

SOIL VAPOR MONITORING REPORT 2016

Former Unisys Facility – Great Neck
1111 Marcus Avenue
Lake Success, New York 11020

NYSDEC Site ID# 130045

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TABLE OF CONTENTS

CONTENTS

Acronyms.....	iv
1.0 Introduction.....	1-1
2.0 Site Description and Site History	2-1
2.1 Site History	2-1
2.2 Site Background	2-2
3.0 Sampling Methodology	3-1
3.1 Soil Vapor Sampling (iPark Building).....	3-1
3.2 Additional Point Installation	3-2
3.3 Paired Sub-Slab Vapor and Indoor Air Sampling (LA Fitness)	3-3
3.4 Passive Vent Inspection	3-3
4.0 Soil Vapor Results.....	4-1
5.0 Indoor Air and Sub-Slab Vapor Results – LA Fitness	5-1
6.0 Recommendations	6-1
6.1 Soil Vapor Sampling (iPark)	6-1

6.2	SSV and IA Sampling (LA Fitness).....	6-2
7.0	References	7-1

TABLES

Table 3-1:	Summary of Soil Vapor Samples from Existing Nested Wells
Table 4-1:	Nested Well Soil Vapor Analytical Results
Table 5-1:	Indoor Air and Sub-Slab Sampling Results – LA Fitness
Table 5-2:	NYSDOH Evaluations for PCE and TCE – LA Fitness

FIGURES

Figure 1-1:	Site Location
Figure 2-1:	Nested Soil Vapor Sampling Locations – iPark
Figure 2-2:	Paired Sub-Slab Vapor and Indoor Air Sampling Locations – LA Fitness
Figure 4-1:	Nested Well Soil Vapor Sampling Results (2011 to 2016)
Figure 4-2:	Cross-Section Location Map - iPark
Figure 4-3:	Cross-Section A-A' with PCE Soil Vapor Concentrations ($\mu\text{g}/\text{m}^3$)
Figure 4-4:	Cross-Section A-A' with TCE Soil Vapor Concentrations ($\mu\text{g}/\text{m}^3$)
Figure 4-5:	Cross-Section B-B' with PCE Soil Vapor Concentrations ($\mu\text{g}/\text{m}^3$)
Figure 4-6:	Cross-Section B-B' with TCE Soil Vapor Concentrations ($\mu\text{g}/\text{m}^3$)

APPENDICES

Appendix A:	2016 Soil Vapor Sampling Work Plan for the iPark and LA Fitness Building, Former Unisys Facility, Lake Success, New York
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Appendix B:	2016 Soil Vapor Sampling Work Plan for the LA Fitness Building, Former Unisys Facility, Lake Success, New York
Appendix C:	Operable Unit 1 Sub-Slab Depressurization System, Operations, Maintenance and Monitoring Report, December 1, 2015 – February 29, 2016, Former Unisys Facility, Lake Success, New York
Appendix D:	Nested Well Soil Vapor Analytical Laboratory Reports and Data Validation Forms – iPark
Appendix E:	Nested Well Soil Vapor Sample Collection Logs – iPark
Appendix F:	LA Fitness Pair Indoor Air and Sub-Slab Sampling Analytical Report and Data Validation
Appendix G:	LA Fitness Paired Indoor Air and Sub-Slab sample Collection Logs
Appendix H:	Tenant Letters to LA Fitness and Winthrop Management
Appendix I:	Communication from NYSDEC

Acronyms

µg/m ³	micrograms per cubic meter
CVOCs	chlorinated volatile organic compounds
DUSR	Data Usability Reports
EPA	Environmental Protection Agency
ft. bgs.	feet below ground surface
HASP	Health and Safety Plan
IA	indoor air
in. WC	inches of water column
iPark	iPark, Lake Success, LLP
Lockheed Martin	Lockheed Martin Corporation
Loral	Loral Corporation
Northwell	Northwell Health
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
Pace	Pace Analytical Laboratories
PCE	tetrachloroethene
Site	former Unisys Facility
SOP	Standard Operating Procedure
Sperry	Sperry Gyroscope Company
SSDS	Sub-Slab Depressurization System
SSV	sub-slab vapor
TCE	trichloroethene
TestAmerica	TestAmerica, Inc.
Tetra Tech	Tetra Tech, Inc.
USEPA	United States Environmental Protection Agency
VI	Vapor Intrusion
VOCs	volatile organic compounds

1. Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc. (Tetra Tech) has prepared this Soil Vapor Monitoring Report for the former Unisys Facility (“the Site”, Site No.130045) located at 1111 Marcus Avenue, Village of Lake Success, New York (Figure 1-1). This report presents data collected during the 2016 annual soil vapor monitoring event where soil vapor samples were collected from nested wells located beneath and adjacent to the iPark building. The soil vapor data represent conditions at various depths, corresponding to the screened intervals of the nested wells. This report presents a brief summary of site background, sampling methodology, sampling results, and an evaluation of the 2016 soil vapor and paired sub-slab and indoor air data. This report also details the inspection of the passive venting system installed at the LA Fitness building.

The purpose of sampling the nested wells was to: (1) evaluate changes in volatile organic compound (VOC) concentrations in soil vapor at various depths; and (2) assess the levels of soil vapor contamination that may continue to exist beneath and outside the iPark building. A revised *2016 Soil Vapor Sampling Work Plan for the LA Fitness Building, Former Unisys Facility, Lake Success, New York* (Tetra Tech, 2016), detailing the nested well sampling, was submitted to the New York State Department of Environmental Conservation (NYSDEC) and New York State of Department of Health (NYSDOH) on February 4, 2016 and approved on February 5, 2016. This work plan is included as Appendix A of this report.

2. Site Description and Site History

2.1 SITE HISTORY

The Lockheed Martin Corporation (Lockheed Martin) former Unisys Facility (“the Site”) was an active manufacturing facility from its startup in 1941 until approximately 1995, when most manufacturing activities ceased. Some activities, including limited assembly, integration, prototype development and testing, and/or engineering and administrative duties continued at the Site through early 1999. The former Unisys Facility was originally designed and built by the United States government and was operated under a contract with the Sperry Gyroscope Company (Sperry) from 1941 to 1951. In 1951, the property was sold to Sperry, which merged with Burroughs in 1986 to form the Unisys Corporation. In 1995, Loral Corporation (Loral) acquired the assets of Unisys Defense Systems, a division of Unisys Corporation. In early 1996, Loral’s electronics and systems integration businesses were purchased by Lockheed Martin. The property was sold by Lockheed Martin in early 2000 to iPark, Lake Success, LLP (iPark), which converted the buildings to commercial rental space. The Former Unisys Facility occupies 90.5 acres that includes the main (iPark) building and three smaller buildings (LA Fitness, Power House, and the maintenance garage) located south of the iPark building. The iPark building and the LA Fitness building house several tenants that use the lease space for office areas, a small cafeteria, an outpatient hospital, distribution centers, maintenance spaces, and a fitness center. The site previously included 3.5 acres that were sold to the Town of North Hempstead, which are now used as soccer fields. The Power House continues to serve as the power distribution center while the majority of the garage has been converted into the active Sub-Slab Depressurization System (SSDS) process building. The remaining portions of the property consist of paved areas (parking

lots), transformer stations, and three storm water retention basins. A general layout of the Site, including major tenants occupying the first floor of the iPark building as of May 2016 is shown on Figure 2-1. Figure 2-2 shows the LA Fitness building along with monitoring locations highlighted.

In the past, the facility was used to manufacture a wide range of defense-related products including navigational systems for United States Navy nuclear submarines (Trident Program), navigational sonar equipment, radar tracking systems (North Warning System), and weather radar systems (NEXRAD). Past manufacturing processes included the following: metal casting, chemical etching, degreasing, plating, painting, metal finishing, machining, electronic circuit board manufacturing, and assembly. Chemicals used during manufacturing at the plant included halogenated and non-halogenated hydrocarbon solvents, cutting oils, paints, fuel oils, acids, caustics, and inorganic plating compounds. On May 1, 1991 New York State Department of Environmental Conservation (NYSDEC) designated the former Unisys Facility as a Class 2 site (No. 130045) in the registry of Inactive Hazardous Waste Disposal Sites in New York State.

2.2 SITE BACKGROUND

In response to New York State Department of Health's (NYSDOHs) final Vapor Intrusion (VI) Guidance (NYSDOH, 2006), Lockheed Martin conducted an initial indoor air and sub-slab vapor investigation in 2007 (ARCADIS, 2008). In March 2008, a temporary Sub-Slab Depressurization System (SSDS) known as the eastern SSDS was installed as an interim measure in the former Allstate space located in the northeast corner of the iPark building to address trichloroethene (TCE) concentrations above the NYSDOH indoor air guidance levels and elevated levels of other volatile organic compounds (VOCs) in the sub-slab vapor. In November 2008, another temporary SSDS (i.e. central SSDS) was installed in the south-central portion of the iPark building (current Antech space) to address carbon tetrachloride concentrations above NYSDOH indoor air guidance levels and other elevated VOCs in the sub-slab vapor. Subsequent to these temporary SSDS installations,

sub-slab vapor and indoor air sampling events conducted between 2009 and 2013 demonstrated that VOC concentrations in indoor air were reduced to below the NYSDOH indoor guidance levels, and carbon tetrachloride, tetrachloroethene (PCE), and TCE concentrations in sub-slab vapor were either decreasing or remained constant.

To eliminate potential preferential pathways for sub-slab VOC migration into indoor air across the entire iPark building and the garage, Lockheed Martin prepared a Vapor Mitigation Conceptual Design (ARCADIS, 2010) to construct a site-wide SSDS in October 2010. Subsequent to NYSDEC approval of Vapor Mitigation Conceptual Design, the site-wide SSDS was constructed between August 2011 and June 2013. The temporary central and eastern SSDSs were connected to the site-wide SSDS during construction, and the site-wide SSDS has been in continuous operation since September 2013. The design goal of the SSDS is to maintain a minimum of -0.004 inches of water column (in. WC) differential pressure between the sub-slab and the indoor air. The step tests conducted on selected SSDS extraction points and the 2014 annual nested well sampling results indicated that the SSDS extraction wells influence up to approximately 25 feet below ground surface (ft. bgs.) (CDM Smith, April 2014).

A passive SSDS was constructed in 2010 at the LA Fitness building. The system consists of a vent pipe and an air inlet pipe, which penetrates the basement area and extends to the roof. A wind turbine located on the top of the exhaust pipe allows for suctioning of the basement air, thereby introducing fresh air into the basement through the air inlet pipe. The inlet pipe also extends to the roof.

3. Sampling Methodology

This report presents the details of the two sampling events performed within the 2016 heating season including the soil vapor sampling event in and around the iPark, Lake Success, LLP (iPark) building, and the sub-slab vapor (SSV) and indoor air (IA) sampling event for the LA Fitness building. All sample locations and sampling methodologies are presented in the sections below. Field work for the 2016 sampling events were completed between February 28th and March 8th, 2016. All field activities conducted during the 2016 soil vapor, sub-slab, and indoor air sampling events were completed in accordance with the approved *2016 Soil Vapor Monitoring Work Plan for the iPark and LA Fitness Buildings* (Tetra Tech, 2015), the revised *2016 Soil Vapor Sampling Work Plan for the LA Fitness Building* (Tetra Tech, 2016) and the Tetra Tech, Inc. (Tetra Tech) site-specific Health and Safety Plan (HASP) (Tetra Tech, 2016).

3.1 SOIL VAPOR SAMPLING (IPARK BUILDING)

Between February 2 and February 28, 2016, a total of 108 soil vapor samples were collected from 22 nested wells, located inside and outside of the IPark building (Figure 2-1). All samples were collected in accordance with the standard operating procedure (SOP) included in the *2016 Soil Vapor Monitoring Work Plan for the iPark and LA Fitness Buildings* (Tetra Tech, 2015, included as Appendix A). Table 3-1 presents a summary of the soil vapor samples collected from nested wells. Each nested well contains two to eight distinct sampling intervals located at varying depths. Each sampling interval is constructed of a 1-inch diameter, 6-inch long vapor screen connected to a piece of Teflon tubing which runs to the surface. A sand pack fills the annular space around the sampling intervals and a bentonite plug creates a seal between the sampling intervals and the surface. Eleven field duplicate samples were collected at a 10 percent frequency using a “T”

connection. Helium leak tests were conducted at 5 percent of total sample locations. All samples were collected with 6-liter Summa canisters collecting the sample over a 4-hour time period. Sample collection times were contingent on access from individual tenants for nested wells located inside the iPark building. Per the tenant request, nested wells within Northwell Health (Northwell) spaces were sampled over the weekend (February 28, 2016).

Vapor samples were collected using 6-liter, batch-certified stainless-steel Summa canisters equipped with 4-hour flow controllers, in-line particulate filters, and vacuum gauges. The samples were shipped with completed chain-of-custody forms to Pace Analytical Laboratories (Pace) in Minneapolis, Minnesota. The samples were analyzed for VOCs by modified Environmental Protection Agency (EPA) Method TO-15 on a standard turn-around-time basis. Analysis for Freon 22 and Freon 115 were added to the standard TO-15 list, consistent with previous sampling events. Sample results are discussed in Section 4.

3.2 ADDITIONAL POINT INSTALLATION

As requested by the New York State Department of Environmental Conservation (NYSDEC), four new SSV monitoring points were installed to collect additional SSV and IA samples across the western portion of the LA Fitness building. The new monitoring points were installed in accordance with the revised *2016 Soil Vapor Sampling Work Plan for the LA Fitness Building, Former Unisys Facility, Lake Success, New York* (Tetra Tech, 2016) and New York State Department of Health (NYSDOH) Vapor Intrusion (VI) Guidance (NYSDOH, 2006). NYSDOH and NYSDOH requested a separate work plan be generated for the installation and sampling of the new sub-slab points. The revised work plan is included as Appendix B. Four new SSV monitoring points, designated SS-Prop 1, SS-Prop 2, SS-Prop 3, SS-Prop 4, were installed to

further delineate the nature and extent of contaminants of concern beneath the LA Fitness building as shown in Figure 2-2.

3.3 PAIRED SUB-SLAB VAPOR AND INDOOR AIR SAMPLING (LA FITNESS)

The SSV and IA sampling event at LA Fitness was completed in accordance with the approved Work Plan, SOPs, and Tetra Tech site-specific HASP (Tetra Tech, 2015). On February 8, 2016 (while the passive venting system was in operation) 11 SSV, 12 IA, one basement air, one ambient air, and four duplicate samples were collected to evaluate concentrations of volatile organic compounds (VOCs) present in indoor air and sub slab soil vapor. The paired SSV and IA sample locations are shown on Figure 2-2.

SSV samples were collected using 6-liter, batch-certified stainless-steel Summa canisters equipped with 8-hour flow controllers, in-line particulate filters, and vacuum gauges. IA samples were collected using 6-liter, individually-certified stainless-steel Summa canisters equipped with 8-hour flow controllers, in-line particulate filters, and vacuum gauges. The samples were shipped with completed chain-of-custody forms to Pace in Minneapolis, Minnesota. The samples were analyzed for VOCs by the modified EPA TO-15 identified above.

3.4 PASSIVE VENT INSPECTION

A visual inspection of the LA Fitness passive venting system was performed on January 19, 2016. The inspection was limited to pipe connections, anchor points, fittings, pipe penetrations, rain caps, and wind turbines. A man lift was used to examine the pipe and connections at height. Both the inlet and exhaust points were checked with a photoionization detector every two hours for six hours and all readings along the piping were non-detect. Some surface rust was noted along both

the inlet and outlet pipes. The inspection concluded that the passive venting system is in good overall condition. The results of the LA Fitness passive vent inspection are detailed in Appendix C of this report [Operable Unit 1 Sub-Slab Depressurization System, Operations, Maintenance, and Monitoring Report, December 1, 2015-February 29, 2016 (Tetra Tech, 2016)].

4. Soil Vapor Results

The analytical results for the nested well soil vapor samples collected in 2016 are provided in Table 4-1. All of the laboratory data generated during the soil vapor sampling event were reviewed and validated by Tetra Tech, Inc. (Tetra Tech) in accordance with the New York State Department of Environmental Conservation (NYSDEC) guidance for Data Usability Reports (DUSR) and United States Environmental Protection Agency (USEPA) guidelines. Holding times, blank contamination, Gas Chromatography/Mass Spectrometry performance check (Tuning) summaries, internal standard area performance, initial and continuing calibration results, matrix duplicate/laboratory control samples and target compound identification, and quantitation were reviewed during this process. The quality assurance/quality control review did not result in the rejection or alteration of any sampling results, although some data are qualified as “estimated” and data qualifiers were added to the data when necessary. Overall, the data were found to be acceptable for evaluating indoor air quality when used with the appropriate qualifiers. The complete set of analytical results and data validation forms are included in Appendix D. Sample collection logs completed during the sampling events are included in Appendix E.

Out of the 108 soil vapor samples collected during the 2016 sampling event, tetrachloroethene (PCE) and trichloroethene (TCE) were detected in 94 and 97 samples, respectively. PCE concentrations ranged from non-detect to 403,000 microgram per cubic meter ($\mu\text{g}/\text{m}^3$), while TCE concentrations ranged from non-detect to 647,000 $\mu\text{g}/\text{m}^3$.

The annual soil vapor sampling results for PCE and TCE concentrations detected from 2011 to 2016 are shown on Figure 4-1. The 2014 to 2016 results represent soil vapor concentrations

measured after the site-wide sub-slab depressurization system (SSDS) operation began in September 2013 with the SSDS operating at the time of sampling events. The lowest concentrations of PCE and TCE detected in soil vapor in 2016 were collected from sample locations outside of the iPark building, and beneath the iPark building, west of column 6.

Select locations outside of the iPark Building and away from the presumed source have generally exhibited low level detections of TCE and PCE. Comparable to historical sampling results, PCE and TCE were detected in 2016 at relatively low concentrations at nested wells VP-1, VP-5, and VP-101. Concentrations remain below New York State Department of Health (NYSDOH) mitigation thresholds of $250 \mu\text{g}/\text{m}^3$ and $1000 \mu\text{g}/\text{m}^3$, respectively at all sample intervals at these locations. A sample at the 5.0-foot interval at VP-5 was not able to be obtained due to water in the sample line. The water is believed to be from snow melt from a near-by snow pile.

PCE and TCE were detected at low concentrations at samples collected from shallow depths (< 25 feet) in nested wells VP-102 and VP-103 located beneath the iPark building west of column 6. Concentrations increase at sample intervals beyond twenty feet (the approximate effective depth of the SSDS), but remain below their respective NYSDEC mitigation threshold. The VOC concentrations were well below the DOH VI Guidance for sub slab mitigation with the exception at VP-107 at 10 feet where TCE concentration was $2,700 \mu\text{g}/\text{m}^3$ and at 20 feet where the TCE and PCE concentrations were $6,650$ and $2,410 \mu\text{g}/\text{m}^3$, respectively.

Consistent with previous sampling events, PCE and TCE concentrations are elevated near the center and toward the southeast corner of the building. The soil vapor concentrations of PCE and TCE in the upper vadose zone (0.0- 25 feet below ground surface [ft. bgs.]) detected in 2016 are generally similar to results from 2015. Concentrations of PCE and TCE detected in 2016 remain lower than pre-SSDS concentrations, confirming the effectiveness of the SSDS at removing these

volatile organic compounds (VOCs) in soil vapor. The highest PCE and TCE concentrations remain within the deeper vadose zone, generally around the 30 to 50 ft. bgs. interval. The vertical distribution of PCE and TCE below the central portion of the building is shown on the cross-sections provided on Figures 4-2 to 4-6.

Within the deep vadose zone, 2016 results indicate a reduction in TCE and PCE concentrations at LIJ-VP-7 at the 30-, 40-, and 50-foot interval when compared to data from 2015. An additional significant decrease in TCE concentration was reported at VP-107 at the sample intervals deeper than 20 feet.

As shown on Figure 4-1, increases in PCE and TCE concentration in the deep vadose zone were reported in 2016 when compared to 2015. The largest concentration increases were reported at the 40-foot interval at VP-9 and the 40- and 50-foot interval at VP-NYSDEC-5. As demonstrated in the Perched Water Investigation (Arcadis, 2011), various fine-grained, low permeability soils and perched water exist at these depths, and may be limiting vertical migration of vapors to the upper vadose zone. As a result, a pooling of chlorinated volatile organic compounds (CVOCs) in soil vapor may exist at these locations.

5. Indoor Air and Sub-Slab Vapor Results – LA Fitness

Results of the 2016 heating season sub-slab vapor (SSV) and Indoor Air (IA) sampling event in LA Fitness are presented in Tables 5-1. All laboratory data were reviewed and validated by Tetra Tech, Inc. (Tetra Tech) in accordance with the New York State of Environmental Conservation (NYSDEC) guidance for Data Usability Reports (DUSR) and United State Environmental Protection Agency (USEPA) guidelines. Holding times, blank contamination, Gas Chromatography/Mass Spectrometry performance check (Tuning) summaries, internal standard area performance, initial and continuing calibration results, matrix duplicate/laboratory control samples and target compound identification, and quantitation were reviewed during this process. The quality assurance/quality control review did not result in the rejection or alteration of any sampling results, although some data are qualified as “estimated” and data qualifiers were added to the data when necessary. Overall, the data were found to be acceptable when used with the appropriate qualifiers. Non-detected results were reported to the reporting limits. The complete set of analytical results and data are included in Appendix F. Sample collection logs completed during the sampling event are included as Appendix G. The results were provided to the building owner and tenants on June 3, 2016, within 30 days of data validation. A copy of the summary letters provided to the building owner and tenants is provided in Appendix H.

The analytical results for SSV samples indicate that tetrachloroethane (PCE) was detected above the reporting limits in all SSV samples collected in 2016 and trichloroethene (TCE) was detected above the reporting limit at all locations but one (SS-G5). PCE and TCE concentrations ranged

from 3.6 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to 786 $\mu\text{g}/\text{m}^3$ and non-detect to 111 $\mu\text{g}/\text{m}^3$, respectively.

With the exception of one sample location (IA-C20), PCE and TCE were not detected in IA and ambient air samples collected during the 2016 SSV and IA sampling event. At IA-C20, PCE was detected at 4.2 $\mu\text{g}/\text{m}^3$ and TCE was detected at 1.3 $\mu\text{g}/\text{m}^3$, both below the New York State Department of Health (NYSDOH) Matrix 1/Matrix 2 indoor air mitigation thresholds of 30 $\mu\text{g}/\text{m}^3$ and 2 $\mu\text{g}/\text{m}^3$, respectively. On April 29, 2016 Tetra Tech completed a helium leak test at the paired SSV and IA point associated with IA-C20 (SS-C20) to determine if the sample port was compromised, and thereby potentially creating a preferential pathway for the migration of sub-slab soil vapors. The helium leak test confirmed that the sample port was competent and not the potential source of the PCE and TCE IA detections.

In basement air sample SS-12 (previously labeled IA-12 in 2015), PCE and TCE were detected at 8.6 $\mu\text{g}/\text{m}^3$ and 4.6 $\mu\text{g}/\text{m}^3$, respectively, both well below the NYSDOH mitigation thresholds for sub-slab vapor of 1,000 $\mu\text{g}/\text{m}^3$ and 250 $\mu\text{g}/\text{m}^3$, respectively. The continued detection of low levels of PCE and TCE in basement air confirms the effectiveness of the passive venting system at venting basement air and mitigating the potential for vapor intrusion in the LA Fitness building.

The evaluation of PCE and TCE levels in SSV and IA samples in accordance with the NYSDOH Matrices recommendation is presented in Table 5-2. NYSDEC and NYSDOH have required to continue sampling the LA Fitness sampling locations on an annual basis during the winter heating season, consistent with NYSDOH guidance.

6. Recommendations

6.1 SOIL VAPOR SAMPLING (IPARK)

Tetrachloroethene (PCE) and trichloroethene (TCE) concentrations detected in the shallow vadose zone (shallower than 25 feet below ground surface [ft. bgs.]) have significantly decreased since the start-up and continuous operation of the site-wide sub-slab depressurization system (SSDS) in September 2013. Results from the 2016 soil vapor sampling event and historical data have proven the effectiveness of the SSDS system at reducing volatile organic compound (VOC) concentrations at shallow depths. Tetra Tech, Inc. (Tetra Tech) recommends continued operation of the SSDS to reduce risk of exposure to chlorinated volatile organic compounds (CVOCs) and remain protective of human health.

Sample results indicate that a significant mass of CVOCs remain in the deep vadose zone (deeper than 25 ft. bgs.). Previous investigations have determined that residual soils and/or impacted groundwater beneath the iPark building may be the likely sources. Alternative remedies including an expansion of the soil vapor extraction system should be investigated to remediate contamination in the source area.

Monitoring of nested wells VP-1, VP-5, and VP-6 should be discontinued due to consistently low PCE and TCE concentrations. In addition, these wells are located outside of the iPark building and at a considerable distance from the source area.

PCE and TCE concentrations in nested wells in the western portion of the iPark facility (VP-102 and VP-103) continue to remain low in both shall and deep intervals. A temporary rebound study (shutting of select extraction points near these wells) should be performed in 2017. Samples should

be taken at VP-102 and VP-103 during and subsequent to the rebound test in order to monitor any rebound in soil vapor concentrations.

6.2 SSV AND IA SAMPLING (LA FITNESS)

Tetra Tech recommends continued monitoring of all sub-slab vapor (SSV) and indoor air (IA) locations at LA Fitness during the 2017 heating season. This recommendation aligns with that of NYSDEC/NYSDOH as indicated in their email dated May 13, 2016 (Appendix I). Additional sampling during the summer of 2016 has been completed to confirm the IA concentrations at sample location C20 and results will be provided when available under a separate cover. In addition, the passive venting piping and appurtenance should be inspected concurrent with the sampling program.

7. References

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TABLES

TABLE 3-1
Summary of Soil Vapor Samples from Existing Nested Wells
Former Unisys Facility, Lake Success, New York

Tenant ¹	Location	Date	Nested Well	Soil Vapor Sample ID	Duplicate Sample ID
NSLIJ	Interior	02/28/2016	VP-102	VP-102_4.5_20160228	-
				VP-102_8.5_20160228	
				VP102_19.5_20160228	VP102_19.5_20160228DUP
				VP-102_51.5_20160228	-
				VP-102_57.5_20160228	
				VP-102_61.5_20160228	
				VP-102_73.5_20160228	
NSLIJ Cancer Center 2	Interior	02/28/2016	VP-103	VP-103_5_20160228	-
				VP-103_10_20160228	
				VP-103_20160228	
				VP-103_30_20160228	
				VP-103_40_20160228	
				VP-103_50_20160228	
				VP-103_61.5_20160228	
				VP-103_74.5_20160228	
Unoccupied Space C4	Interior	02/11/2016	VP-104	VP-104_5_20160211	-
				VP-104_10_20160211	
				VP-104_19_20160211	
				VP-104_30_20160211	
				VP-104_40_20160211	
				VP-104_50_20160211	
				VP-104_62_20160211	
				VP-104_73_20160211	
Dealertrack	Interior	02/16/16	VP-107	VP-107_5_20160216	-
				VP-107_13_20160216	
				VP-107_20_20160216	
				VP-107_33.5_20160216	
				VP-107_44_20160216	
				VP-107_60_20160216	
				VP-10_74_20160216	

TABLE 3-1
Summary of Soil Vapor Samples from Existing Nested Wells
Former Unisys Facility, Lake Success, New York

Tenant ¹	Location	Date	Nested Well	Soil Vapor Sample ID	Duplicate Sample ID
NSLIJ Mock-Up Room	Interior	02/28/2016	LIJ-VP-7	LIJ-VP-7_5_20160228	LIJ-VP-7_5_20160228DUP
				LIJ-VP-7_10_20160228	-
				LIJ-VP-7_20_20160228	
				LIJ-VP-7_30_20160228	
				LIJ-VP-7_40_20160228	
				LIJ-VP-7_50_20160228	
Hallway adjacent to Antech	Interior	02/11/2016	FPM-20	FPM-20_5_20160211	-
				FPM-20_9.4_20160211	
Unoccupied Space B2	Interior	02/11/2016	VP-8	VP-8_5_20160211	-
				VP-8_10_20160211	
				VP-8_20_20160211	
Unoccupied Space B2	Interior	02/11/2016	VP-8D	VP-8D_53.5_20160211	-
				VP-8D_62.5_20160211	VP-8D_62.5_20160211DUP
				VP-8D_72.5_20160211	-
Stellae	Interior	02/09/2016	VP-NYSDEC-5	VP-NYSDEC-5_5_20160209	-
				VP-NYSDEC-5_10_20160209	
				VP-NYSDEC-5_20_20160209	
				VP-NYSDEC-5_30_20160209	
				VP-NYSDEC-5_40_20160209	
				VP-NYSDEC-5_50_20160209	
Stellae	Interior	02/09/2016	VP-9	VP-9_10_20160209	VP-9_10_20160209DUP
				VP-9_20_20160209	-
				VP-9_30_20160209	
				VP-9_40_20160209	
				VP-9_50_20160209	
				VP-9_60_20160209	
Stellae	Interior	02/09/2016	VP-105	VP-9_5_20160209	-
				VP-9_10_20160209	
				VP-9_20_20160209	
				VP-9_32_20160209*	
				VP-9_50_20160209	
				VP-9_60_20160209	
				VP-9_72_20160209	

TABLE 3-1
Summary of Soil Vapor Samples from Existing Nested Wells
Former Unisys Facility, Lake Success, New York

Tenant ¹	Location	Date	Nested Well	Soil Vapor Sample ID	Duplicate Sample ID
Outside - East of Main Bldg.	Exterior	02/06/2016	VP-1	VP-1_5_20160206	-
				VP-1_10_20160206	
				VP-1_20_20160206	
				VP-1_30_20160206	
Outside - East of Main Bldg.	Exterior	02/06/2016	VP-2	VP-2_5_20160206	-
				VP-2_10_20160206	
				VP-2_20_20160206	
				VP-2_30_20160206	
Outside - South of Main Bldg.	Exterior	02/02/16	VP-3	VP-3_5_20160202	VP-3_5_20160202DUP
				VP-3_10_20160202	-
				VP-3_20_20160202	
				VP-3_30_20160202	
Outside - South of Main Bldg.	Exterior	02/02/2016	VP-3D	VP-3D_40_20160202	-
				VP-3D_51_20160202	
				VP-3D_61_20160202	
				VP-3D_73_20160202	
Outside - South of Main Bldg.	Exterior	02/18/2016	VP-4	VP-4_5_20160218	VP-4_5_20160218DUP
				VP-4_10_20160218	-
				VP-4_20_20160218	
				VP-4_30_20160218	
Outside - East of Main Bldg.	Exterior	02/06/2016	VP-5	VP-5_5_20160206*	-
				VP-5_10_20160206	
				VP-5_20_20160206	VP-5_20_20160206DUP
				VP-5_30_20160206	-
Outside - Southeast of Main Bldg.	Exterior	02/06/16	VP-6	VP-6_5_20160206	-
				VP-6_10_20160206	
				VP-6_20_20160206	
				VP-6_30_20160206	VP-6_30_20160206DUP
Outside - South of Main Bldg.	Exterior	02/18/2016	VP-101	VP-101_5_20160206	-
				VP-101_15_20160218	
				VP-101_27_20160218	VP-101_27_20160218DUP
Outside - North of Main Bldg.	Exterior	02/18/2016	VP-106	VP-106_5_20160218	-
				VP-106_11_20160218	
				VP-106_19.5_20160218	
				VP-106_28_20160218	
				VP-106_56_20160218	
				VP-106_72_20160218	VP-106_72_20160218DUP
Outside - East of Main Bldg.	Exterior	02/02/2016	VP-108	VP-106_84_20160218	-
				VP-108_5_20160202	-
				VP-108_10_20160202	
				VP-108_20_20160202	
				VP-108_29.5_20160202	
			VP-108D	VP-108D_50.5_20160202	VP-108D_50.5_20160202DUP
				VP-108D_60_20160202	-
				VP-108D_70_20160202	

NOTE

Tenants identified from 2015 Vapor Intrusion Report.
Unable to collect a sample due to water in sample line

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID	LIJ-WP-7_10_20160228		LIJ-WP-7_10_20160228RE		LIJ-WP-7_20_20160228		LIJ-WP-7_30_20160228		LIJ-WP-7_40_20160228		LIJ-WP-7_5_20160228	
Lab Sample ID	10340119019		10340119019		10340119020		10340119021		10340119022		10340119017	
Sampling Date	02/28/2016		02/28/2016		02/28/2016		02/28/2016		02/28/2016		02/28/2016	
Matrix	Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Duplicate Of												
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.92	ND	0.92	ND	0.96	ND	0.96	9.3	0.96	ND	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE	2.9	2.7	2.9	2.7	130	2.8	1430	2.8	28.3	2.8	ND	2.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.3	ND	5.3	ND	5.6	ND	5.6	ND	5.6	ND	5.6
1,1-DICHLOROETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	18.8	1.4	ND	1.4	ND	1.4
1,1-DIFLUOROETHANE	7.8	2.3	7.8	2.3	22.8	2.4	46.8	2.4	13.9	2.4	ND	2.4
1,2,4-TRICHLOROBENZENE	ND	127	ND	127	ND	132	ND	132	ND	132	ND	132
1,2,4-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.2	ND	8.2	ND	8.6	ND	8.6	ND	8.6	ND	8.6
1,2-DIBROMOETHANE	ND	2.6	ND	2.6	ND	2.7	ND	2.7	ND	2.7	ND	2.7
1,2-DICHLOROBENZENE	ND	5.1	ND	5.1	ND	5.3	ND	5.3	ND	5.3	ND	5.3
1,2-DICHLOROETHANE	ND	0.69	ND	0.69	ND	0.72	ND	0.72	ND	0.72	ND	0.72
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.4	ND	2.4	ND	2.5	ND	2.5	ND	2.5	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7
1,3-BUTADIENE	ND	0.76	ND	0.76	ND	0.79	0.86	0.79	ND	0.79	ND	0.79
1,3-DICHLOROBENZENE	ND	4.4	ND	4.4	ND	4.6	ND	4.6	ND	4.6	ND	2.1
1,4-DICHLOROBENZENE	ND	8.8	ND	8.8	ND	9.2	ND	9.2	ND	9.2	ND	2.1
1,4-DIOXANE	ND	6.1	ND	6.1	ND	6.4	ND	6.4	ND	6.4	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	1.7	ND	1.7	ND	1.8	ND	1.8	ND	1.8	ND	1.8
2-BUTANONE	ND	5	ND	5	ND	5.2	ND	5.2	ND	5.2	ND	5.2
2-HEXANONE	ND	7	ND	7	ND	7.3	ND	7.3	ND	7.3	ND	7.3
3-CHLOROPROPENE	ND	2.7	ND	2.7	ND	2.8	ND	2.8	ND	2.8	ND	2.8
4-METHYL-2-PENTANONE	ND	7	ND	7	ND	7.3	ND	7.3	ND	7.3	ND	7.3
ACETONE	46	4.1	46	4.1	ND	4.2	ND	4.2	12.3	4.2	13.7	4.2
BENZENE	ND	0.55	ND	0.55	0.78	0.57	18.2	0.57	2.4	0.57	1.1	0.57
BROMODICHLOROMETHANE	ND	2.3	ND	2.3	ND	2.4	ND	2.4	ND	2.4	ND	2.4
BROMOFORM	ND	89.5	ND	89.5	ND	93.2	ND	93.2	ND	93.2	ND	9.2
BROMOMETHANE	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.1
CARBON TETRACHLORIDE	ND	1.1	ND	1.1	ND	1.1	8.8	1.1	2.2	1.1	ND	1.1
CHLOROBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	2.9	ND	2.9	ND	3	ND	3	ND	3	ND	3
CHLORODIFLUOROMETHANE	23	1.2	23	1.2	67.8	1.3	145	1.3	41.2	1.3	11.3	1.3
CHLOROETHANE	ND	0.91	ND	0.91	ND	0.94	ND	0.94	ND	0.94	ND	0.94
CHLOROFORM	ND	0.83	ND	0.83	14.6	0.87	472	0.87	133	17.4	ND	0.87
CHLOROMETHANE	ND	0.71	ND	0.71	ND	0.74	ND	0.74	ND	0.74	0.99	0.74
CIS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	197	1.4	3570	1.4	3330	28.4	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.6
CYCLOHEXANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	1.3	1.2
DICHLORODIFLUOROMETHANE	2.4	1.7	2.4	1.7	ND	1.8	4.1	1.8	ND	1.8	2.8	1.8
ETHYLBENZENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5
HEXACHLOROBUTADIENE	ND	3.7	ND	3.7	ND	3.8	ND	3.8	ND	3.8	ND	3.8
HEXANE	1.4	1.2	1.4	1.2	ND	1.3	2.9	1.3	2.9	1.3	2	1.3
ISOPROPANOL	8.3	4.2	8.3	4.2	ND	4.4	ND	4.4	ND	4.4	6.1	4.4
ISOPROPYLBENZENE	ND	4.2	ND	4.2	ND	4.4	ND	4.4	ND	4.4	ND	4.4
M+P-XYLENES	ND	3	ND	3	ND	3.1	ND	3.1	ND	3.1	6.7	3.1
METHYL ACETATE	ND	2.6	ND	2.6	ND	2.7	ND	2.7	ND	2.7	ND	2.7
METHYL CYCLOHEXANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	ND	6.2	ND	6.2	ND	6.4	ND	6.4	ND	6.4	ND	6.4
METHYLENE CHLORIDE	21.4	5.9	21.4	5.9	ND	6.2	ND	6.2	ND	6.2	16.5	6.2
O-XYLENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5
PENTAFLUROETHYL CHLORIDE	ND	5.4	ND	5.4	ND	5.6	ND	5.6	ND	5.6	ND	5.6
STYRENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5
TETRACHLOROETHENE	47	1.2	47	1.2	5170	24.1	1360	257	7500	24.1	ND	1.2
TOLUENE	14.3	1.3	14.3	1.3	1.6	1.3	ND	1.3	2.5	1.3	10.9	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	5.1	1.4	189	1.4	43.6	1.4	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.6
TRICHLOROETHENE	28.6	0.92	28.6	0.92	4510	19.2	2100	205	11800	19.2	ND	0.96
TRICHLOROFLUOROMETHANE	ND	1.9	ND	1.9	2.6	2	38.6	2	3	2	ND	2
VINYL CHLORIDE	ND	0.44	ND	0.44	ND	0.46	ND	0.46	ND	0.46	ND	0.46

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID	LIJ-WP-7_5_20160228DUP		LIJ-WP-7_5_20160228DUPRE		LIJ-WP-7_5_20160228RE		LIJ-WP-7_50_20160228		SS-12_20160308		SS-C1*_20160308		SS-C1_20160308DUP	
Lab Sample ID	10340119018		10340119018		10340119017		10340119023		10341033012		10341033001		10341033025	
Sampling Date	02/28/2016		02/28/2016		02/28/2016		02/28/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Duplicate Of													SS-C1*_20160308	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	1.9	2	1.9	ND	2	ND	2	ND	2
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.3	ND	1.3
1,1,2-TRICHLOROETHANE	ND	0.92	ND	0.92	ND	0.96	ND	0.96	ND	1	ND	1	ND	1
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.7	ND	2.7	ND	2.8	19.6	2.8	ND	2.9	ND	2.9	ND	2.9
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.3	ND	5.3	ND	5.6	ND	5.6	ND	5.8	ND	5.8	ND	5.8
1,1-DICHLOROETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.5
1,1-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.5
1,1-DIFLUOROETHANE	ND	2.3	ND	2.3	ND	2.4	9.3	2.4	3.4	2.5	ND	2.5	ND	2.5
1,2,4-TRICHLOROBENZENE	ND	127	ND	127	ND	132	ND	132	ND	6.9	ND	6.9	ND	6.9
1,2,4-TRIMETHYLBENZENE	2.1	1.7	2.1	1.7	ND	1.7	ND	1.7	11.8	1.8	ND	1.8	ND	4.6
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.2	ND	8.2	ND	8.6	ND	8.6	ND	9	ND	9	ND	9
1,2-DIBROMOETHANE	ND	2.6	ND	2.6	ND	2.7	ND	2.7	ND	2.9	ND	2.9	ND	2.9
1,2-DICHLOROBENZENE	ND	5.1	ND	5.1	ND	5.3	ND	5.3	ND	2.2	ND	2.2	ND	2.2
1,2-DICHLOROETHANE	ND	0.69	ND	0.69	ND	0.72	ND	0.72	ND	0.75	ND	0.75	ND	0.75
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.7
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.4	ND	2.4	ND	2.5	ND	2.5	ND	2.6	ND	2.6	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	2.6	1.8	ND	1.8	ND	4.6
1,3-BUTADIENE	ND	0.76	ND	0.76	ND	0.79	ND	0.79	ND	0.82	ND	0.82	ND	0.82
1,3-DICHLOROBENZENE	ND	2	ND	2	ND	2.1	ND	4.6	ND	2.2	ND	2.2	ND	2.2
1,4-DICHLOROBENZENE	ND	2	ND	2	ND	2.1	ND	9.2	ND	2.2	ND	2.2	ND	2.2
1,4-DIOXANE	ND	6.1	ND	6.1	ND	6.4	ND	6.4	ND	6.7	ND	6.7	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	1.7	ND	1.7	ND	1.8	ND	1.8	2.4	1.8	ND	1.8	ND	4.6
2-BUTANONE	8.3	5	8.3	5	ND	5.2	ND	5.2	244	5.5	ND	5.5	ND	5.5
2-HEXANONE	ND	7	ND	7	ND	7.3	ND	7.3	9.2	7.6	ND	7.6	ND	7.6
3-CHLOROPROPENE	ND	2.7	ND	2.7	ND	2.8	ND	2.8	ND	2.9	ND	2.9	ND	2.9
4-METHYL-2-PENTANONE	ND	7	ND	7	ND	7.3	ND	7.3	139	7.6	ND	7.6	ND	7.6
ACETONE	27.5	4.1	27.5	4.1	13.7	4.2	ND	4.2	686	4.4	6.4	4.4	9.9	4.4
BENZENE	1.3	0.55	1.3	0.55	1.1	0.57	ND	0.57	ND	0.59	ND	0.59	ND	0.59
BROMODICHLOROMETHANE	ND	2.3	ND	2.3	ND	2.4	21	2.4	ND	2.5	ND	2.5	ND	2.5
BROMOFORM	ND	8.8	ND	8.8	ND	9.2	ND	93.2	ND	9.6	ND	9.6	ND	9.6
BROMOMETHANE	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.2	ND	1.2	ND	1.2
CARBON TETRACHLORIDE	ND	1.1	ND	1.1	ND	1.1	1.7	1.1	ND	1.2	ND	1.2	ND	1.2
CHLOROBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.7
CHLORODIBROMOMETHANE	ND	2.9	ND	2.9	ND	3	ND	3	ND	3.2	ND	3.2	ND	3.2
CHLORODIFLUOROMETHANE	11.2	1.2	11.2	1.2	11.3	1.3	33.8	1.3	ND	1.3	4	1.3	ND	1.3
CHLOROETHANE	ND	0.91	ND	0.91	ND	0.94	ND	0.94	ND	0.99	ND	0.99	ND	0.99
CHLOROFORM	ND	0.83	ND	0.83	ND	0.87	32.9	0.87	36.4	0.91	ND	0.91	ND	0.91
CHLOROMETHANE	1.1	0.71	1.1	0.71	0.99	0.74	ND	0.74	ND	0.77	ND	0.77	ND	0.77
CIS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	28.4	ND	1.5	ND	1.5	ND	1.5
CIS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.7
CYCLOHEXANE	1.3	1.2	1.3	1.2	1.3	1.2	ND	1.2	1.9	1.3	ND	1.3	ND	1.3
DICHLORODIFLUOROMETHANE	2.8	1.7	2.8	1.7	2.8	1.8	1.8	1.8	2.4	1.8	2.2	1.8	2.3	1.8
ETHYLBENZENE	1.8	1.5	1.8	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6
HEXACHLOROBUTADIENE	ND	3.7	ND	3.7	ND	3.8	ND	3.8	ND	4	ND	4	ND	9.9
HEXANE	2.7	1.2	2.7	1.2	2	1.3	ND	1.3	26.4	1.3	ND	1.3	ND	1.3
ISOPROPANOL	10.7	4.2	10.7	4.2	6.1	4.4	12.6	4.4	72.2	4.6	4.8	4.6	ND	4.6
ISOPROPYLBENZENE	ND	4.2	ND	4.2	ND	4.4	ND	4.4	ND	4.6	ND	4.6	ND	4.6
M+P-XYLENES	7.3	3	7.3	3	6.7	3.1	ND	3.1	5.4	3.2	ND	3.2	ND	3.2
METHYL ACETATE	ND	2.6	ND	2.6	ND	2.7	ND	2.7	ND	2.8	ND	2.8	ND	2.8
METHYL CYCLOHEXANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.2	ND	6.2	ND	6.4	ND	6.4	ND	6.7	ND	6.7	ND	6.7
METHYLENE CHLORIDE	15.1	5.9	15.1	5.9	16.5	6.2	ND	6.2	ND	6.5	6.6	6.5	ND	6.5
O-XYLENE	2	1.5	2	1.5	ND	1.5	ND	1.5	2.2	1.6	ND	1.6	ND	1.6
PENTAFLUOROETHYL CHLORIDE	ND	5.4	ND	5.4	ND	5.6	ND	5.6	ND	5.9	ND	5.9	ND	5.9
STYRENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6
TETRACHLOROETHENE	1.8	1.2	1.8	1.2	ND	1.2	28.3	24.1	8.6	1.3	11.4	1.3	12	1.3
TOLUENE	3.6	1.3	3.6	1.3	10.9	1.3	3.5	1.3	1.5	1.4	ND	1.4	ND	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	3.2	1.4	ND	1.5	ND	1.5	ND	1.5
TRANS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.7
TRICHLOROETHENE	2	0.92	2	0.92	ND	0.96	28.2	19.2	4.6	1	111	1	107	1
TRICHLOROFLUOROMETHANE	ND	1.9	ND	1.9	ND	2	ND	2	ND	2.1	ND	2.1	ND	2.1
VINYL CHLORIDE	ND	0.44	ND	0.44	ND	0.46	ND	0.46	ND	0.48	ND	0.48	ND	0.48

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID	SS-C20*_20160308		SS-D7*_20160308		SS-E10*_20160308		SS-E10_20160308DUP		SS-E16*_20160308		SS-G5*_20160308		SS-H21*_20160308	
Lab Sample ID	10341033002		10341033003		10341033004		10341033026		10341033005		10341033006		10341033007	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Duplicate Of							SS-E10*_20160308							
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	4.6	2	ND	2	ND	2	ND	1.9	ND	2.1	ND	1.7
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.3	ND	1
1,1,2-TRICHLOROETHANE	ND	1	ND	1	ND	1	ND	1	ND	0.96	ND	1.1	ND	0.82
1,1,2-TRICHLOROTRIFLUOROETHANE	158	2.9	8.9	2.9	ND	2.9	ND	2.9	ND	2.8	ND	3.1	29.4	2.4
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.8	ND	5.8	ND	5.8	ND	5.6	ND	6.1	ND	4.7
1,1-DICHLOROETHANE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.6	ND	1.2
1,1-DICHLOROETHENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.6	ND	1.2
1,1-DIFLUOROETHANE	ND	2.5	5.9	2.5	13.6	2.5	8.2	2.5	9.5	2.4	19.6	2.6	ND	2
1,2,4-TRICHLOROBENZENE	ND	6.9	ND	6.9	ND	6.9	ND	6.9	ND	6.6	ND	7.2	ND	5.6
1,2,4-TRIMETHYLBENZENE	ND	1.8	ND	1.8	ND	1.8	ND	4.6	6.2	1.7	ND	1.9	ND	1.5
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	9	ND	9	ND	9	ND	8.6	ND	9.4	ND	7.3
1,2-DIBROMOETHANE	ND	2.9	ND	2.9	ND	2.9	ND	2.9	ND	2.7	ND	3	ND	2.3
1,2-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.2	ND	2.2	ND	2.1	ND	2.3	ND	1.8
1,2-DICHLOROETHANE	ND	0.75	ND	0.75	ND	0.75	ND	0.75	ND	0.72	ND	0.79	ND	0.61
1,2-DICHLOROPROPANE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.6	ND	1.8	ND	1.4
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.6	ND	2.6	ND	2.6	ND	2.5	ND	2.7	ND	2.1
1,3,5-TRIMETHYLBENZENE	ND	1.8	ND	1.8	ND	1.8	ND	4.6	ND	1.7	ND	1.9	ND	1.5
1,3-BUTADIENE	ND	0.82	ND	0.82	ND	0.82	ND	0.82	ND	0.79	ND	0.86	ND	0.67
1,3-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.2	ND	2.2	ND	2.1	ND	2.3	ND	1.8
1,4-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.2	ND	2.2	ND	2.1	ND	2.3	ND	1.8
1,4-DIOXANE	ND	6.7	ND	6.7	ND	6.7	ND	6.7	ND	6.4	ND	7	ND	5.5
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.8	ND	1.8	ND	4.6	2	1.8	ND	1.9	ND	1.5
2-BUTANONE	ND	5.5	ND	5.5	ND	5.5	ND	5.5	ND	5.2	ND	5.8	5.8	4.5
2-HEXANONE	ND	7.6	ND	7.6	ND	7.6	ND	7.6	ND	7.3	ND	8	ND	6.2
3-CHLOROPROPENE	ND	2.9	ND	2.9	ND	2.9	ND	2.9	ND	2.8	ND	3.1	ND	2.4
4-METHYL-2-PENTANONE	ND	7.6	ND	7.6	ND	7.6	ND	7.6	ND	7.3	ND	8	ND	6.2
ACETONE	10.2	4.4	4.7	4.4	20.8	4.4	14.5	4.4	89.5	4.2	38.8	4.6	14.5	3.6
BENZENE	ND	0.59	ND	0.59	0.6	0.59	ND	0.59	1.1	0.57	1.1	0.62	0.5	0.48
BROMODICHLROMETHANE	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.4	ND	2.6	ND	2
BROMOFORM	ND	9.6	ND	9.6	ND	9.6	ND	9.6	ND	9.2	ND	10.1	ND	7.8
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.2
CARBON DISULFIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	3.1	1.1	ND	1.2	1.7	0.94
CARBON TETRACHLORIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	0.95
CHLOROBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.6	ND	1.8	ND	1.4
CHLORODIBROMOMETHANE	ND	3.2	ND	3.2	ND	3.2	ND	3.2	ND	3	ND	3.3	ND	2.6
CHLORODIFLUOROMETHANE	2.3	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.4	12.1	1.1
CHLOROETHANE	ND	0.99	ND	0.99	ND	0.99	ND	0.99	ND	0.94	ND	1	ND	0.8
CHLOROFORM	1	0.91	13.4	0.91	22.2	0.91	15.8	0.91	20.1	0.87	31	0.95	2.1	0.74
CHLOROMETHANE	ND	0.77	ND	0.77	ND	0.77	ND	0.77	ND	0.74	ND	0.81	ND	0.63
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.6	ND	1.2
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.6	ND	1.8	ND	1.4
CYCLOHEXANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	2.5	1.2	ND	1.3	1.6	1
DICHLORODIFLUOROMETHANE	ND	1.8	2.5	1.8	2.2	1.8	2.2	1.8	ND	1.8	2.3	1.9	2.3	1.5
ETHYLBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.7	ND	1.3
HEXACHLOROBUTADIENE	ND	4	ND	4	ND	4	ND	9.9	ND	3.8	ND	4.2	ND	3.3
HEXANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.4	8.8	1.1
ISOPROPANOL	ND	4.6	5.2	4.6	40.2	4.6	8.4	4.6	25.9	4.4	130	4.8	8.7	3.7
ISOPROPYLBENZENE	ND	4.6	ND	4.6	ND	4.6	ND	4.6	ND	4.4	ND	4.8	ND	3.7
M+P-XYLENES	ND	3.2	ND	3.2	ND	3.2	ND	3.2	5	3.1	ND	3.4	ND	2.6
METHYL ACETATE	ND	2.8	ND	2.8	ND	2.8	ND	2.8	ND	2.7	ND	3	ND	2.3
METHYL CYCLOHEXANE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.6	ND	1.2
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.7	ND	6.7	ND	6.7	ND	6.4	ND	7	ND	5.5
METHYLENE CHLORIDE	ND	6.5	ND	6.5	ND	6.5	ND	6.5	ND	6.2	ND	6.8	30.7	5.3
O-XYLENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	3.1	1.5	ND	1.7	ND	1.3
PENTAFLUOROETHYL CHLORIDE	ND	5.9	ND	5.9	ND	5.9	17.3	5.9	ND	5.6	ND	6.2	ND	4.8
STYRENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	2.5	1.5	ND	1.7	ND	1.3
TETRACHLOROETHENE	786	1.3	19.9	1.3	14.8	1.3	22.7	1.3	306	1.2	ND	1.3	86.9	1
TOLUENE	ND	1.4	ND	1.4	1.6	1.4	ND	1.4	2.5	1.3	2.7	1.5	13.7	1.1
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.6	ND	1.2
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.6	ND	1.8	ND	1.4
TRICHLOROETHENE	3.4	1	91.1	1	26	1	38	1	0.96	0.96	ND	1.1	1.2	0.82
TRICHLOROFLUOROMETHANE	ND	2.1	3	2.1	ND	2.1	ND	2.1	ND	2	ND	2.2	2.3	1.7
VINYL CHLORIDE	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.46	ND	0.5	ND	0.39

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	SS-Prop1_20160308 10341033008 03/08/2016 Air ug/m3		SS-Prop2_20160308 10341033009 03/08/2016 Air ug/m3		SS-Prop3_20160308 10341033010 03/08/2016 Air ug/m3		SS-Prop4_20160308 10341033011 03/08/2016 Air ug/m3		VP-1_10_20160206 10337995002 02/06/2016 Air ug/m3		VP-1_20_20160206 10337995003 02/06/2016 Air ug/m3		VP-1_30_20160206 10337995004 02/06/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2.2	ND	2	ND	2.1	ND	1.9	ND	1.9	ND	1.7	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.4	ND	1.3	ND	1.3	ND	1.2	ND	1.2	ND	1.1	ND	1.2
1,1,2-TRICHLOROETHANE	ND	1.1	ND	1	ND	1.1	ND	0.92	ND	0.92	ND	0.85	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE	6.1	3.2	21.7	2.9	34.3	3.1	4.9	2.7						
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	6.4	ND	5.8	ND	6.1	ND	5.3	ND	16.2	ND	15	ND	16.2
1,1-DICHLOROETHANE	ND	1.6	ND	1.5	ND	1.6	ND	1.4	ND	1.4	ND	1.3	ND	1.4
1,1-DICHLOROETHENE	ND	1.6	ND	1.5	ND	1.6	ND	1.4	ND	1.4	ND	1.3	ND	1.4
1,1-DIFLUOROETHANE	7.1	2.8	7	2.5	ND	2.6	18.6	2.3	ND	7	ND	6.5	ND	7
1,2,4-TRICHLOROBENZENE	ND	7.6	ND	6.9	ND	7.2	ND	6.3	ND	6.3	ND	5.8	ND	6.3
1,2,4-TRIMETHYLBENZENE	ND	2	ND	1.8	3.3	1.9	6.3	1.7	ND	1.7	ND	1.5	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	9.9	ND	9	ND	9.4	ND	8.2	ND	25.1	ND	23.1	ND	25.1
1,2-DIBROMOETHANE	ND	3.1	ND	2.9	ND	3	ND	2.6	ND	2.6	ND	2.4	ND	2.6
1,2-DICHLOROBENZENE	ND	2.5	ND	2.2	ND	2.3	ND	2	ND	2	ND	1.9	ND	2
1,2-DICHLOROETHANE	ND	0.82	ND	0.75	ND	0.79	ND	0.69	ND	0.69	ND	0.64	ND	0.69
1,2-DICHLOROPROPANE	ND	1.9	ND	1.7	ND	1.8	ND	1.6	ND	1.6	ND	1.5	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.9	ND	2.6	ND	2.7	ND	2.4	ND	2.4	ND	2.2	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	2	ND	1.8	ND	1.9	ND	1.7	ND	1.7	ND	1.5	ND	1.7
1,3-BUTADIENE	ND	0.9	ND	0.82	ND	0.86	ND	0.76	ND	0.76	ND	0.7	ND	0.76
1,3-DICHLOROBENZENE	ND	2.5	ND	2.2	ND	2.3	ND	2	ND	2	ND	1.9	ND	2
1,4-DICHLOROBENZENE	ND	2.5	ND	2.2	ND	2.3	ND	2	ND	2	ND	1.9	ND	2
1,4-DIOXANE	ND	7.4	ND	6.7	ND	7	ND	6.1	ND	6.1	ND	5.7	ND	6.1
1-ETHYL-4-METHYL BENZENE	ND	2	ND	1.8	ND	1.9	1.7	1.7	ND	1.7	ND	1.6	ND	1.7
2-BUTANONE	ND	6	5.6	5.5	ND	5.8	ND	5	ND	5	ND	4.6	ND	5
2-HEXANONE	ND	8.4	ND	7.6	ND	8	ND	7	ND	7	ND	6.5	ND	7
3-CHLOROPROPENE	ND	3.2	ND	2.9	ND	3.1	ND	2.7	ND	2.7	ND	2.5	ND	2.7
4-METHYL-2-PENTANONE	ND	8.4	ND	7.6	ND	8	ND	7	ND	7	ND	6.5	ND	7
ACETONE	266	4.9	68.9	4.4	44.5	4.6	29.1	4.1	6.8	4.1	ND	3.7	11.7	4.1
BENZENE	1.1	0.65	0.96	0.59	ND	0.62	1.3	0.55	ND	0.55	ND	0.5	1.6	0.55
BROMODICHLOROMETHANE	ND	2.7	ND	2.5	ND	2.6	ND	2.3	ND	2.3	ND	2.1	ND	2.3
BROMOFORM	ND	10.6	ND	9.6	ND	10.1	ND	8.8	ND	17.7	ND	16.3	ND	17.7
BROMOMETHANE	ND	1.6	ND	1.4	ND	1.5	ND	1.3	ND	1.3	ND	1.2	ND	1.3
CARBON DISULFIDE	ND	1.3	ND	1.2	ND	1.2	2	1.1	ND	1.1	ND	0.98	ND	1.1
CARBON TETRACHLORIDE	ND	1.3	ND	1.2	ND	1.2	ND	1.1	ND	1.1	ND	0.99	ND	1.1
CHLOROBENZENE	ND	1.9	ND	1.7	ND	1.8	ND	1.6	ND	1.6	ND	1.5	ND	1.6
CHLORODIBROMOMETHANE	ND	3.5	ND	3.2	ND	3.3	ND	2.9	ND	2.9	ND	2.7	ND	2.9
CHLORODIFLUOROMETHANE	ND	1.4	ND	1.3	ND	1.4	45.9	1.2	10.6	1.2	2	1.1	3.5	1.2
CHLOROETHANE	ND	1.1	ND	0.99	ND	1	ND	0.91	ND	0.91	ND	0.84	ND	0.91
CHLOROFORM	26.6	1	15.5	0.91	124	0.95	4.7	0.83	ND	0.83	2.1	0.77	ND	0.83
CHLOROMETHANE	ND	0.84	0.9	0.77	ND	0.81	1.2	0.71	ND	0.71	ND	0.65	0.86	0.71
CIS-1,2-DICHLOROETHENE	ND	1.6	ND	1.5	ND	1.6	ND	1.4	ND	1.4	ND	1.3	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.8	ND	1.7	ND	1.8	ND	1.5	ND	1.5	ND	1.4	ND	1.5
CYCLOHEXANE	ND	1.4	ND	1.3	ND	1.3	1.7	1.2	ND	1.2	ND	1.1	1.2	1.2
DICHLORODIFLUOROMETHANE	ND	2	1.9	1.8	ND	1.9	2.9	1.7	2.1	1.7	3.7	1.6	2.1	1.7
ETHYLBENZENE	ND	1.8	ND	1.6	ND	1.7	1.6	1.5	ND	1.5	ND	1.4	ND	1.5
HEXACHLOROBUTADIENE	ND	4.4	ND	4	ND	4.2	ND	3.7	ND	3.7	ND	3.4	ND	3.7
HEXANE	ND	1.4	ND	1.3	ND	1.4	16.9	1.2	2.9	1.2	ND	1.1	2.5	1.2
ISOPROPANOL	87.3	5	109	4.6	22.5	4.8	ND	4.2	ND	4.2	ND	3.9	ND	4.2
ISOPROPYLBENZENE	ND	5	ND	4.6	ND	4.8	ND	4.2	ND	4.2	ND	3.9	ND	4.2
M+P-XYLENES	ND	3.6	ND	3.2	ND	3.4	6.8	3	ND	3	ND	2.7	3.4	3
METHYL ACETATE	ND	3.1	ND	2.8	ND	3	ND	2.6	ND	7.9	ND	7.3	ND	7.9
METHYL CYCLOHEXANE	ND	1.6	ND	1.5	ND	1.6	ND	1.4	ND	1.4	ND	1.3	ND	1.4
METHYL TERT-BUTYL ETHER	ND	7.4	ND	6.7	ND	7	ND	6.2	ND	6.2	ND	5.7	ND	6.2
METHYLENE CHLORIDE	ND	7.1	ND	6.5	ND	6.8	103	5.9	10	5.9	ND	5.5	ND	5.9
O-XYLENE	ND	1.8	ND	1.6	ND	1.7	2.6	1.5	ND	1.5	ND	1.4	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	6.5	ND	5.9	ND	6.2	ND	5.4	ND	16.4	ND	15.1	ND	16.4
STYRENE	ND	1.7	ND	1.6	ND	1.7	ND	1.5	ND	1.5	ND	1.3	ND	1.5
TETRACHLOROETHENE	242	1.4	3.6	1.3	105	1.3	43.2	1.2	ND	1.2	9.1	1.1	ND	1.2
TOLUENE	3	1.5	4.9	1.4	1.8	1.5	9.7	1.3	1.7	1.3	ND	1.2	3	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.6	ND	1.5	ND	1.6	ND	1.4	ND	1.4	ND	1.3	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.8	ND	1.7	ND	1.8	ND	1.5	ND	1.5	ND	1.4	ND	1.5
TRICHLOROETHENE	6.5	1.1	2	1	5.7	1.1	14.8	0.92	3.9	0.92	52.5	0.85	ND	0.92
TRICHLOROFLUOROMETHANE	ND	2.3	ND	2.1	2.6	2.2	1.9	1.9	ND	1.9	6.4	1.8	ND	1.9
VINYL CHLORIDE	ND	0.52	ND	0.48	ND	0.5	ND	0.44	ND	0.44	ND	0.4	ND	0.44

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-1_5_20160206 10337995001 02/06/2016 Air ug/m3		VP-101_15_20160218 10339270007 02/18/2016 Air ug/m3		VP-101_27_20160218 10339270008 02/18/2016 Air ug/m3		VP-101_27_20160218 DUP 10339270009 02/18/2016 Air ug/m3		VP-101_5_20160218 10339270006 02/18/2016 Air ug/m3		VP-102_19.5_20160228 10340119003 02/28/2016 Air ug/m3		VP-102_19.5_20160228DUP 10340119004 02/28/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	19.9	1.8	ND	1.9	ND	1.9	ND	1.9	ND	1.8	ND	1.9	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.89	ND	0.92	ND	0.92	ND	0.96	ND	0.89	ND	0.92	ND	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE			37.6	2.7	299	2.7	279	2.8	ND	2.6	ND	2.7	ND	2.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	15.6	ND	5.3	ND	5.3	ND	5.6	ND	5.1	ND	5.3	ND	5.6
1,1-DICHLOROETHANE	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.4	ND	1.4
1,1-DIFLUOROETHANE	ND	6.7	ND	2.3	ND	2.3	ND	2.4	ND	2.2	ND	2.3	ND	2.4
1,2,4-TRICHLOROBENZENE	ND	6.1	ND	127	ND	127	ND	132	ND	121	ND	170	ND	132
1,2,4-TRIMETHYLBENZENE	ND	1.6	ND	1.7	ND	1.7	ND	1.7	ND	1.6	ND	1.7	7.5	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	24	ND	8.2	ND	8.2	ND	8.6	ND	7.9	ND	8.2	ND	8.6
1,2-DIBROMOETHANE	ND	2.5	ND	2.6	ND	2.6	ND	2.7	ND	2.5	ND	2.6	ND	2.7
1,2-DICHLOROBENZENE	ND	2	ND	5.1	ND	5.1	ND	5.3	ND	4.9	ND	5.1	ND	5.3
1,2-DICHLOROETHANE	ND	0.66	ND	0.69	ND	0.69	ND	0.72	ND	0.66	ND	0.69	ND	0.72
1,2-DICHLOROPROPANE	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.3	ND	2.4	ND	2.4	ND	2.5	3.7	2.3	ND	2.4	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	1.6	ND	1.7	ND	1.7	ND	1.7	ND	1.6	ND	1.7	1.8	1.7
1,3-BUTADIENE	ND	0.72	ND	0.76	ND	0.76	ND	0.79	ND	0.72	ND	0.76	ND	0.79
1,3-DICHLOROBENZENE	ND	2	ND	4.4	ND	4.4	ND	4.6	ND	4.2	ND	4.2	ND	2.1
1,4-DICHLOROBENZENE	ND	2	ND	8.8	ND	8.8	ND	9.2	ND	8.5	ND	2	ND	2.1
1,4-DIOXANE	ND	5.9	ND	6.1	ND	6.1	ND	6.4	ND	5.9	ND	6.1	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.7	2.1	1.8
2-BUTANONE	ND	4.8	ND	5	5.8	5	ND	5.2	ND	4.8	ND	5	ND	5.2
2-HEXANONE	ND	6.7	ND	7	ND	7	ND	7.3	ND	6.7	ND	7	ND	7.3
3-CHLOROPROPENE	ND	2.6	ND	2.7	ND	2.7	ND	2.8	ND	2.6	ND	2.7	ND	2.8
4-METHYL-2-PENTANONE	ND	6.7	ND	7	ND	7	ND	7.3	ND	6.7	ND	7	ND	7.3
ACETONE	7.8	3.9	19.5	4.1	19.4	4.1	11.9	4.2	ND	3.9	43.4	4.1	8.2	4.2
BENZENE	ND	0.52	0.97	0.55	0.95	0.55	ND	0.57	ND	0.52	0.95	0.55	ND	0.57
BROMODICHLROMETHANE	ND	2.2	ND	2.3	ND	2.3	ND	2.4	ND	2.2	ND	2.3	ND	2.4
BROMOFORM	ND	16.9	ND	89.5	ND	89.5	ND	93.2	ND	85.7	ND	8.8	ND	9.2
BROMOMETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3	ND	1.3	ND	1.4
CARBON DISULFIDE	ND	1	ND	1.1	ND	1.1	ND	1.1	ND	1	ND	1.1	ND	1.1
CARBON TETRACHLORIDE	ND	1	ND	1.1	ND	1.1	ND	1.1	ND	1	ND	1.1	ND	1.1
CHLOROBENZENE	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	2.8	ND	2.9	ND	2.9	ND	3	ND	2.8	ND	2.9	ND	3
CHLORODIFLUOROMETHANE	2.2	1.2	2.6	1.2	5.2	1.2	6.9	1.3	1.7	1.2	97.7	1.2	55.8	1.3
CHLOROETHANE	ND	0.87	ND	0.91	ND	0.91	ND	0.94	ND	0.87	ND	0.91	ND	0.94
CHLOROFORM	ND	0.8	1.5	0.83	1.6	0.83	1.5	0.87	ND	0.8	ND	0.83	ND	0.87
CHLOROMETHANE	0.93	0.68	ND	0.71	ND	0.71	ND	0.74	ND	0.68	ND	0.71	ND	0.74
CIS-1,2-DICHLOROETHENE	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.4	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.5	ND	1.5	ND	1.6
CYCLOHEXANE	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2
DICHLORODIFLUOROMETHANE	2	1.6	2.2	1.7	3.1	1.7	2	1.8	2.7	1.6	3.3	1.7	2.4	1.8
ETHYLBENZENE	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5	ND	1.5
HEXACHLOROBUTADIENE	ND	3.5	ND	3.7	ND	3.7	ND	3.8	ND	3.5	ND	5	ND	3.8
HEXANE	ND	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.2	16.1	1.2	ND	1.3
ISOPROPANOL	ND	4	ND	4.2	6.9	4.2	11.9	4.4	ND	4	ND	4.2	8.5	4.4
ISOPROPYLBENZENE	ND	4	ND	4.2	ND	4.2	ND	4.4	ND	4	ND	4.2	ND	4.4
M+P-XYLENES	ND	2.8	ND	3	ND	3	ND	3.1	ND	2.8	ND	3	5.8	3.1
METHYL ACETATE	ND	7.5	ND	2.6	ND	2.6	ND	2.7	ND	2.5	ND	2.6	ND	2.7
METHYL CYCLOHEXANE	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	ND	5.9	ND	6.2	ND	6.2	ND	6.4	ND	5.9	ND	6.2	ND	6.4
METHYLENE CHLORIDE	ND	5.7	ND	5.9	ND	5.9	ND	6.2	ND	5.7	99.6	5.9	ND	6.2
O-XYLENE	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5	2.4	1.5
PENTAFLUOROETHYL CHLORIDE	ND	15.7	ND	5.4	ND	5.4	ND	5.6	ND	5.2	ND	5.4	ND	5.6
STYRENE	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5	ND	1.5
TETRACHLOROETHENE	ND	1.1	5.1	1.2	53.5	1.2	49.1	1.2	1.8	1.1	1.8	1.2	1.7	1.2
TOLUENE	ND	1.2	ND	1.3	ND	1.3	1.7	1.3	ND	1.2	6.6	1.3	4.7	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.4	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.5	ND	1.5	ND	1.6
TRICHLOROETHENE	8.9	0.89	2.9	0.92	68.5	0.92	65.7	0.96	1.3	0.89	5.2	0.92	5.8	0.96
TRICHLOROFLUOROMETHANE	ND	1.8	ND	1.9	5.3	1.9	5.1	2	ND	1.8	ND	1.9	ND	2
VINYL CHLORIDE	ND	0.42	ND	0.44	ND	0.44	ND	0.46	ND	0.42	ND	0.44	ND	0.46

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP- 10340119004 02/28/2016 Air ug/m3		VP-102_4.5_20160228 10340119001 02/28/2016 Air ug/m3		VP-102_4.5_20160228RE 10340119001 02/28/2016 Air ug/m3		VP-102_51.5_20160228 10340119005 02/28/2016 Air ug/m3		VP-102_51.5_20160228RE 10340119005 02/28/2016 Air ug/m3		VP-102_57.5_20160228 10340119006 02/28/2016 Air ug/m3		VP-102_57.5_20160228RE 10340119006 02/28/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	1.7	ND	1.7
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.1
1,1,2-TRICHLOROETHANE	ND	0.96	ND	0.96	ND	0.96	ND	0.92	ND	0.92	ND	0.85	ND	0.85
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.8	ND	2.8	ND	2.8	15.3	2.7	15.3	2.7	13.6	2.5	13.6	2.5
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.6	ND	5.6	ND	5.6	ND	5.3	ND	5.3	ND	4.9	ND	4.9
1,1-DICHLOROETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.3
1,1-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.3
1,1-DIFLUOROETHANE	ND	2.4	ND	2.4	ND	2.4	ND	2.3	ND	2.3	ND	2.1	ND	2.1
1,2,4-TRICHLOROBENZENE	ND	132	ND	132	ND	132	ND	127	ND	127	ND	117	ND	117
1,2,4-TRIMETHYLBENZENE	7.5	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.5	ND	1.5
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.6	ND	8.6	ND	8.6	ND	8.2	ND	8.2	ND	7.6	ND	7.6
1,2-DIBROMOETHANE	ND	2.7	ND	2.7	ND	2.7	ND	2.6	ND	2.6	ND	2.4	ND	2.4
1,2-DICHLOROBENZENE	ND	5.3	ND	5.3	ND	5.3	ND	5.1	ND	5.1	ND	4.7	ND	4.7
1,2-DICHLOROETHANE	ND	0.72	ND	0.72	ND	0.72	ND	0.69	ND	0.69	ND	0.64	ND	0.64
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.5
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.5	ND	2.5	ND	2.5	ND	2.4	ND	2.4	ND	2.2	ND	2.2
1,3,5-TRIMETHYLBENZENE	1.8	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.5	ND	1.5
1,3-BUTADIENE	ND	0.79	ND	0.79	ND	0.79	ND	0.76	ND	0.76	ND	0.7	ND	0.7
1,3-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2	ND	2	ND	1.9	ND	1.9
1,4-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2	ND	2	ND	1.9	ND	1.9
1,4-DIOXANE	ND	6.4	ND	6.4	ND	6.4	ND	6.1	ND	6.1	ND	5.7	ND	5.7
1-ETHYL-4-METHYL BENZENE	2.1	1.8	ND	1.8	ND	1.8	ND	1.7	ND	1.7	ND	1.6	ND	1.6
2-BUTANONE	ND	5.2	ND	5.2	ND	5.2	ND	5	ND	5	ND	4.6	ND	4.6
2-HEXANONE	ND	7.3	ND	7.3	ND	7.3	ND	7	ND	7	ND	6.5	ND	6.5
3-CHLOROPROPENE	ND	2.8	ND	2.8	ND	2.8	ND	2.7	ND	2.7	ND	2.5	ND	2.5
4-METHYL-2-PENTANONE	ND	7.3	ND	7.3	ND	7.3	ND	7	ND	7	ND	6.5	ND	6.5
ACETONE	8.2	4.2	43	4.2	43	4.2	15.7	4.1	15.7	4.1	7	3.7	7	3.7
BENZENE	ND	0.57	1.3	0.57	1.3	0.57	ND	0.55	ND	0.55	ND	0.5	ND	0.5
BROMODICHLROMETHANE	ND	2.4	ND	2.4	ND	2.4	ND	2.3	ND	2.3	ND	2.1	ND	2.1
BROMOFORM	ND	9.2	ND	9.2	ND	9.2	ND	8.8	ND	8.8	ND	8.1	ND	8.1
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.3	ND	1.2	ND	1.2
CARBON DISULFIDE	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	0.98	ND	0.98
CARBON TETRACHLORIDE	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	0.99	ND	0.99
CHLOROBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.5
CHLORODIBROMOMETHANE	ND	3	ND	3	ND	3	ND	2.9	ND	2.9	ND	2.7	ND	2.7
CHLORODIFLUOROMETHANE	55.8	1.3	55.4	1.3	55.4	1.3	ND	1.2	ND	1.2	ND	1.1	ND	1.1
CHLOROETHANE	ND	0.94	ND	0.94	ND	0.94	ND	0.91	ND	0.91	ND	0.84	ND	0.84
CHLOROFORM	ND	0.87	ND	0.87	ND	0.87	5.8	0.83	5.8	0.83	3.8	0.77	3.8	0.77
CHLOROMETHANE	ND	0.74	1.1	0.74	1.1	0.74	ND	0.71	ND	0.71	ND	0.65	ND	0.65
CIS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	8.5	1.4	8.5	1.4	7.1	1.3	7.1	1.3
CIS-1,3-DICHLOROPROPENE	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.5	ND	1.4	ND	1.4
CYCLOHEXANE	ND	1.2	2.3	1.2	2.3	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.1
DICHLORODIFLUOROMETHANE	2.4	1.8	2.3	1.8	2.3	1.8	2.4	1.7	2.4	1.7	2.5	1.6	2.5	1.6
ETHYLBENZENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.4
HEXACHLOROBUTADIENE	ND	3.8	ND	3.8	ND	3.8	ND	3.7	ND	3.7	ND	3.4	ND	3.4
HEXANE	ND	1.3	2.9	1.3	2.9	1.3	ND	1.2	ND	1.2	ND	1.1	ND	1.1
ISOPROPANOL	8.5	4.4	40.2	4.4	40.2	4.4	ND	4.2	ND	4.2	5	3.9	5	3.9
ISOPROPYLBENZENE	ND	4.4	ND	4.4	ND	4.4	ND	4.2	ND	4.2	ND	3.9	ND	3.9
M+P-XYLENES	5.8	3.1	ND	3.1	ND	3.1	ND	3	ND	3	ND	2.7	ND	2.7
METHYL ACETATE	ND	2.7	ND	2.7	ND	2.7	ND	2.6	ND	2.6	ND	2.4	ND	2.4
METHYL CYCLOHEXANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.3
METHYL TERT-BUTYL ETHER	ND	6.4	ND	6.4	ND	6.4	ND	6.2	ND	6.2	ND	5.7	ND	5.7
METHYLENE CHLORIDE	ND	6.2	ND	6.2	ND	6.2	ND	5.9	ND	5.9	ND	5.5	ND	5.5
O-XYLENE	2.4	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.4
PENTAFLUOROETHYL CHLORIDE	ND	5.6	ND	5.6	ND	5.6	ND	5.4	ND	5.4	ND	5	ND	5
STYRENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.3	ND	1.3
TETRACHLOROETHENE	1.7	1.2	ND	1.2	ND	1.2			198	23.2			246	21.4
TOLUENE	4.7	1.3	26.9	1.3	26.9	1.3	3.4	1.3	3.4	1.3	2	1.2	2	1.2
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.3
TRANS-1,3-DICHLOROPROPENE	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.5	ND	1.4	ND	1.4
TRICHLOROETHENE	5.8	0.96	ND	0.96	ND	0.96			370	18.5			432	17
TRICHLOROFLUOROMETHANE	ND	2	ND	2	ND	2	2.3	1.9	2.3	1.9	2.4	1.8	2.4	1.8
VINYL CHLORIDE	ND	0.46	ND	0.46	ND	0.46	ND	0.44	ND	0.44	ND	0.4	ND	0.4

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID	VP-102_61.5_20160228		VP-102_61.5_20160228RE		VP-102_73.5_20160228		VP-102_73.5_20160228RE		VP-102_8.5_20160228		VP-103_10_20160228		VP-103_10_20160228RE	
Lab Sample ID	10340119007		10340119007		10340119008		10340119008		10340119002		10340119010		10340119010	
Sampling Date	02/28/2016		02/28/2016		02/28/2016		02/28/2016		02/28/2016		02/28/2016		02/28/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Duplicate Of														
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	1.8	ND	1.8	ND	2	ND	1.9	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.1	ND	1.1	ND	1.3	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.92	ND	0.92	ND	0.89	ND	0.89	ND	1	ND	0.92	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE	9.6	2.7	9.6	2.7	11.3	2.6	11.3	2.6	ND	2.9	ND	2.7	ND	2.7
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.3	ND	5.3	ND	5.1	ND	5.1	ND	5.8	ND	5.3	ND	5.3
1,1-DICHLOROETHANE	ND	1.4	ND	1.4	ND	1.3	ND	1.3	ND	1.5	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.3	ND	1.3	ND	1.5	ND	1.4	ND	1.4
1,1-DIFLUOROETHANE	ND	2.3	ND	2.3	ND	2.2	ND	2.2	ND	2.5	ND	2.3	ND	2.3
1,2,4-TRICHLOROBENZENE	ND	127	ND	127	ND	121	ND	121	ND	185	ND	127	ND	127
1,2,4-TRIMETHYLBENZENE	2.1	1.7	2.1	1.7	ND	1.6	ND	1.6	ND	1.8	ND	1.7	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.2	ND	8.2	ND	7.9	ND	7.9	ND	9	ND	8.2	ND	8.2
1,2-DIBROMOETHANE	ND	2.6	ND	2.6	ND	2.5	ND	2.5	ND	2.9	ND	2.6	ND	2.6
1,2-DICHLOROBENZENE	ND	5.1	ND	5.1	ND	4.9	ND	4.9	ND	5.6	ND	5.1	ND	5.1
1,2-DICHLOROETHANE	ND	0.69	ND	0.69	ND	0.66	ND	0.66	ND	0.75	ND	0.69	ND	0.69
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.5	ND	1.5	ND	1.7	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.4	ND	2.4	ND	2.3	ND	2.3	ND	2.6	ND	2.4	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.6	ND	1.6	ND	1.8	ND	1.7	ND	1.7
1,3-BUTADIENE	ND	0.76	ND	0.76	ND	0.72	ND	0.72	ND	0.82	ND	0.76	ND	0.76
1,3-DICHLOROBENZENE	ND	2	ND	2	ND	2	ND	2	ND	2.2	ND	2	ND	2
1,4-DICHLOROBENZENE	ND	2	ND	2	ND	2	ND	2	ND	2.2	ND	2	ND	2
1,4-DIOXANE	ND	6.1	ND	6.1	ND	5.9	ND	5.9	ND	6.7	ND	6.1	ND	6.1
1-ETHYL-4-METHYL BENZENE	ND	1.7	ND	1.7	ND	1.6	ND	1.6	ND	1.8	ND	1.7	ND	1.7
2-BUTANONE	ND	5	ND	5	ND	4.8	ND	4.8	ND	5.5	ND	5	ND	5
2-HEXANONE	ND	7	ND	7	ND	6.7	ND	6.7	ND	7.6	ND	7	ND	7
3-CHLOROPROPENE	ND	2.7	ND	2.7	ND	2.6	ND	2.6	ND	2.9	ND	2.7	ND	2.7
4-METHYL-2-PENTANONE	ND	7	ND	7	ND	6.7	ND	6.7	ND	7.6	ND	7	ND	7
ACETONE	75.9	4.1	75.9	4.1	4.4	3.9	4.4	3.9	18.9	4.4	11.3	4.1	11.3	4.1
BENZENE	ND	0.55	ND	0.55	ND	0.52	ND	0.52	1.3	0.59	ND	0.55	ND	0.55
BROMODICHLOROMETHANE	ND	2.3	ND	2.3	ND	2.2	ND	2.2	ND	2.5	ND	2.3	ND	2.3
BROMOFORM	ND	8.8	ND	8.8	ND	8.5	ND	8.5	ND	9.6	ND	8.8	ND	8.8
BROMOMETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3	ND	1.3
CARBON DISULFIDE	ND	1.1	ND	1.1	ND	1	ND	1	ND	1.2	ND	1.1	ND	1.1
CARBON TETRACHLORIDE	ND	1.1	ND	1.1	ND	1	ND	1	1.2	1.2	ND	1.1	ND	1.1
CHLOROBENZENE	ND	1.6	ND	1.6	ND	1.5	ND	1.5	ND	1.7	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	2.9	ND	2.9	ND	2.8	ND	2.8	ND	3.2	ND	2.9	ND	2.9
CHLORODIFLUOROMETHANE	ND	1.2	ND	1.2	6.4	1.2	6.4	1.2	109	1.3	ND	1.2	ND	1.2
CHLOROETHANE	ND	0.91	ND	0.91	ND	0.87	ND	0.87	ND	0.99	ND	0.91	ND	0.91
CHLOROFORM	5.3	0.83	5.3	0.83	3.4	0.8	3.4	0.8	ND	0.91	4.1	0.83	4.1	0.83
CHLOROMETHANE	ND	0.71	ND	0.71	ND	0.68	ND	0.68	1.2	0.77	0.75	0.71	0.75	0.71
CIS-1,2-DICHLOROETHENE	3.7	1.4	3.7	1.4	5.1	1.3	5.1	1.3	ND	1.5	ND	1.4	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.7	ND	1.5	ND	1.5
CYCLOHEXANE	ND	1.2	ND	1.2	ND	1.1	ND	1.1	1.6	1.3	ND	1.2	ND	1.2
DICHLORODIFLUOROMETHANE	2.6	1.7	2.6	1.7	2.3	1.6	2.3	1.6	2.4	1.8	2.3	1.7	2.3	1.7
ETHYLBENZENE	1.9	1.5	1.9	1.5	ND	1.4	ND	1.4	ND	1.6	ND	1.5	ND	1.5
HEXACHLOROBUTADIENE	ND	3.7	ND	3.7	ND	3.5	ND	3.5	ND	5.4	ND	3.7	ND	3.7
HEXANE	1.3	1.2	1.3	1.2	ND	1.2	ND	1.2	25.3	1.3	ND	1.2	ND	1.2
ISOPROPANOL	87.7	4.2	87.7	4.2	ND	4	ND	4	ND	4.6	ND	4.2	ND	4.2
ISOPROPYLBENZENE	ND	4.2	ND	4.2	ND	4	ND	4	ND	4.6	ND	4.2	ND	4.2
M+P-XYLENES	7.4	3	7.4	3	ND	2.8	ND	2.8	ND	3.2	ND	3	ND	3
METHYL ACETATE	ND	2.6	ND	2.6	ND	2.5	ND	2.5	ND	2.8	ND	2.6	ND	2.6
METHYL CYCLOHEXANE	ND	1.4	ND	1.4	ND	1.3	ND	1.3	ND	1.5	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	ND	6.2	ND	6.2	ND	5.9	ND	5.9	ND	6.7	ND	6.2	ND	6.2
METHYLENE CHLORIDE	ND	5.9	ND	5.9	ND	5.7	ND	5.7	157	6.5	ND	5.9	ND	5.9
O-XYLENE	2.6	1.5	2.6	1.5	ND	1.4	ND	1.4	ND	1.6	ND	1.5	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.4	ND	5.4	ND	5.2	ND	5.2	ND	5.9	ND	5.4	ND	5.4
STYRENE	ND	1.5	ND	1.5	ND	1.4	ND	1.4	ND	1.6	ND	1.5	ND	1.5
TETRACHLOROETHENE	194	1.2	194	1.2			280	22.2	ND	1.3	2.9	1.2	2.9	1.2
TOLUENE	19.1	1.3	19.1	1.3	ND	1.2	ND	1.2	9.8	1.4	2.6	1.3	2.6	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.3	ND	1.3	ND	1.5	ND	1.4	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.7	ND	1.5	ND	1.5
TRICHLOROETHENE			349	9.2			453	17.7	ND	1	4	0.92	4	0.92
TRICHLOROFLUOROMETHANE	3.9	1.9	3.9	1.9	2.1	1.8	2.1	1.8	2.1	2.1	ND	1.9	ND	1.9
VINYL CHLORIDE	ND	0.44	ND	0.44	ND	0.42	ND	0.42	ND	0.48	ND	0.44	ND	0.44

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID	VP-103_20_20160228		VP-103_30_20160228		VP-103_40_20160228		VP-103_5_20160228		VP-103_50_20160228		VP-103_61.5_20160228		VP-103_74.5_20160228	
Lab Sample ID	10340119011		10340119012		10340119013		10340119009		10340119014		10340119015		10340119016	
Sampling Date	02/28/2016		02/28/2016		02/28/2016		02/28/2016		02/28/2016		02/28/2016		02/28/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Duplicate Of														
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.96	ND	0.96	ND	0.96	ND	0.92	ND	0.92	ND	0.96	ND	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE	2.9	2.8	9.7	2.8	9.9	2.8	ND	2.7	5.4	2.7	13.4	2.8	11.1	2.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.6	ND	5.6	ND	5.6	ND	5.3	ND	5.3	ND	5.6	ND	5.6
1,1-DICHLOROETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4
1,1-DIFLUOROETHANE	ND	2.4	ND	2.4	ND	2.4	ND	2.3	ND	2.3	ND	2.4	ND	2.4
1,2,4-TRICHLOROBENZENE	ND	177	ND	177	ND	177	ND	170	ND	170	ND	177	ND	132
1,2,4-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.6	ND	8.6	ND	8.6	ND	8.2	ND	8.2	ND	8.6	ND	8.6
1,2-DIBROMOETHANE	ND	2.7	ND	2.7	ND	2.7	ND	2.6	ND	2.6	ND	2.7	ND	2.7
1,2-DICHLOROBENZENE	ND	5.3	ND	5.3	ND	5.3	ND	5.1	ND	5.1	ND	5.3	ND	5.3
1,2-DICHLOROETHANE	ND	0.72	ND	0.72	ND	0.72	ND	0.69	ND	0.69	ND	0.72	ND	0.72
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.5	ND	2.5	ND	2.5	ND	2.4	ND	2.4	ND	2.5	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.7
1,3-BUTADIENE	ND	0.79	ND	0.79	ND	0.79	ND	0.76	ND	0.76	ND	0.79	ND	0.79
1,3-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2	ND	2	ND	2.1	ND	2.1
1,4-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2	ND	2	ND	2.1	ND	2.1
1,4-DIOXANE	ND	6.4	ND	6.4	ND	6.4	ND	6.1	ND	6.1	ND	6.4	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.8	ND	1.8	ND	1.7	ND	1.7	ND	1.8	ND	1.8
2-BUTANONE	ND	5.2	ND	5.2	ND	5.2	ND	5	ND	5	ND	5.2	ND	5.2
2-HEXANONE	ND	7.3	ND	7.3	ND	7.3	ND	7	ND	7	ND	7.3	ND	7.3
3-CHLOROPROPENE	ND	2.8	ND	2.8	ND	2.8	ND	2.7	ND	2.7	ND	2.8	ND	2.8
4-METHYL-2-PENTANONE	ND	7.3	ND	7.3	ND	7.3	ND	7	ND	7	ND	7.3	ND	7.3
ACETONE	25.5	4.2	23.9	4.2	23.1	4.2	52.1	4.1	25.7	4.1	13.4	4.2	31.6	4.2
BENZENE	1.4	0.57	0.9	0.57	0.81	0.57	1.2	0.55	0.9	0.55	ND	0.57	ND	0.57
BROMODICHLOROMETHANE	ND	2.4	ND	2.4	ND	2.4	ND	2.3	ND	2.3	ND	2.4	ND	2.4
BROMOFORM	ND	9.2	ND	9.2	ND	9.2	ND	8.8	ND	8.8	ND	9.2	ND	9.2
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.3	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.1	2.7	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.1
CARBON TETRACHLORIDE	3.4	1.1	7.3	1.1	7.3	1.1	ND	1.1	2	1.1	ND	1.1	2.8	1.1
CHLOROBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	3	ND	3	ND	3	ND	2.9	ND	2.9	ND	3	ND	3
CHLORODIFLUOROMETHANE	120	1.3	108	1.3	100	1.3	61.7	1.2	100	1.2	58.8	1.3	ND	1.3
CHLOROETHANE	ND	0.94	ND	0.94	ND	0.94	ND	0.91	ND	0.91	ND	0.94	ND	0.94
CHLOROFORM	1.7	0.87	5	0.87	5	0.87	ND	0.83	2.7	0.83	3.5	0.87	5.5	0.87
CHLOROMETHANE	1.9	0.74	ND	0.74	ND	0.74	1.6	0.71	1.9	0.71	ND	0.74	ND	0.74
CIS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	2.4	1.4	ND	1.4	2.2	1.4	6.5	1.4	3.3	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.5	ND	1.6	ND	1.6
CYCLOHEXANE	1.7	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2
DICHLORODIFLUOROMETHANE	3.9	1.8	3.2	1.8	ND	1.8	3.5	1.7	3.1	1.7	2.7	1.8	2.6	1.8
ETHYLBENZENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5
HEXACHLOROBUTADIENE	ND	5.2	ND	5.2	ND	5.2	ND	5	ND	5	ND	5.2	ND	3.8
HEXANE	52.7	1.3	28.2	1.3	27.5	1.3	42.2	1.2	32.2	1.2	8.4	1.3	ND	1.3
ISOPROPANOL	ND	4.4	15.6	4.4	ND	4.4	87.5	4.2	ND	4.2	ND	4.4	42.2	4.4
ISOPROPYLBENZENE	ND	4.4	ND	4.4	ND	4.4	ND	4.2	ND	4.2	ND	4.4	ND	4.4
M+P-XYLENES	3.8	3.1	ND	3.1	ND	3.1	ND	3	ND	3	ND	3.1	ND	3.1
METHYL ACETATE	ND	2.7	ND	2.7	ND	2.7	ND	2.6	ND	2.6	ND	2.7	ND	2.7
METHYL CYCLOHEXANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	ND	6.4	ND	6.4	ND	6.4	ND	6.2	ND	6.2	ND	6.4	ND	6.4
METHYLENE CHLORIDE	372	6.2	206	6.2	215	6.2	296	5.9	45.8	7.9	67.8	6.2	ND	6.2
O-XYLENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.6	ND	5.6	ND	5.6	ND	5.4	ND	5.4	ND	5.6	ND	5.6
STYRENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5
TETRACHLOROETHENE	15.7	1.2	97.3	1.2	125	1.2	ND	1.2	91.3	1.2	180	32.3	201	1.2
TOLUENE	13.4	1.3	8.3	1.3	7.8	1.3	8.1	1.3	7.9	1.3	3.7	1.3	3.2	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.5	ND	1.6	ND	1.6
TRICHLOROETHENE	48.7	0.96	264	0.96	395	5.2	ND	0.92	222	0.92	305	25.8		
TRICHLOROFLUOROMETHANE	2.5	2	3.7	2	3.9	2	ND	1.9	3	1.9	2.8	2	4.1	2
VINYL CHLORIDE	ND	0.46	ND	0.46	ND	0.46	ND	0.44	ND	0.44	ND	0.46	ND	0.46

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID	VP-103_74.5_20160228RE		VP-105_10_20160209		VP-105_10_20160209RE		VP-105_20_20160209		VP-105_20_20160209RE		VP-105_5_20160209		VP-105_5_20160209RE	
Lab Sample ID	10340119016		10338324015		10338324015		10338324016		10338324016		10338324014		10338324014	
Sampling Date	02/28/2016		02/09/2016		02/09/2016		02/09/2016		02/09/2016		02/09/2016		02/09/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Duplicate Of														
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	1.9	ND	2	ND	2	ND	2.1	ND	2.1
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.3	ND	1.3	ND	1.3
1,1,2-TRICHLOROETHANE	ND	0.96	ND	0.96	ND	0.96	ND	1	ND	1	ND	1.1	ND	1.1
1,1,2-TRICHLOROTRIFLUOROETHANE	11.1	2.8	2.8	2.8	2.8	2.8	9	2.9	9	2.9	ND	3.1	ND	3.1
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.6	ND	5.6	ND	5.6	ND	5.8	ND	5.8	ND	6.1	ND	6.1
1,1-DICHLOROETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.6
1,1-DICHLOROETHENE	ND	1.4	ND	3.5	ND	3.5	ND	3.7	ND	3.7	ND	3.9	ND	3.9
1,1-DIFLUOROETHANE	ND	2.4	17.7	2.4	17.7	2.4	30.2	2.5	30.2	2.5	13.2	2.6	13.2	2.6
1,2,4-TRICHLOROBENZENE	ND	132	ND	13.2	ND	13.2	ND	13.8	ND	13.8	ND	14.5	ND	14.5
1,2,4-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.8	ND	1.8	ND	1.9	ND	1.9
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.6	ND	8.6	ND	8.6	ND	9	ND	9	ND	9.4	ND	9.4
1,2-DIBROMOETHANE	ND	2.7	ND	2.7	ND	2.7	ND	2.9	ND	2.9	ND	3	ND	3
1,2-DICHLOROBENZENE	ND	5.3	ND	2.1	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.3
1,2-DICHLOROETHANE	ND	0.72	ND	0.72	ND	0.72	ND	0.75	ND	0.75	ND	0.79	ND	0.79
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.8
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.5	ND	2.5	ND	2.5	ND	2.6	ND	2.6	ND	2.7	ND	2.7
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.8	ND	1.8	ND	1.9	ND	1.9
1,3-BUTADIENE	ND	0.79	ND	2	ND	2	ND	2.1	ND	2.1	ND	2.2	ND	2.2
1,3-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.3
1,4-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.3
1,4-DIOXANE	ND	6.4	ND	6.4	ND	6.4	ND	6.7	ND	6.7	ND	7	ND	7
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.9	ND	1.9
2-BUTANONE	ND	5.2	ND	5.2	ND	5.2	ND	5.5	ND	5.5	ND	5.8	ND	5.8
2-HEXANONE	ND	7.3	ND	7.3	ND	7.3	ND	7.6	ND	7.6	ND	8	ND	8
3-CHLOROPROPENE	ND	2.8	ND	2.8	ND	2.8	ND	2.9	ND	2.9	ND	3.1	ND	3.1
4-METHYL-2-PENTANONE	ND	7.3	ND	7.3	ND	7.3	ND	7.6	ND	7.6	ND	8	ND	8
ACETONE	31.6	4.2	14.3	4.2	14.3	4.2	8.3	4.4	8.3	4.4	32.9	4.6	32.9	4.6
BENZENE	ND	0.57	ND	1.1	ND	1.1	ND	1.2	ND	1.2	1.6	1.2	1.6	1.2
BROMODICHLOROMETHANE	ND	2.4	ND	6	ND	6	ND	6.2	ND	6.2	ND	6.5	ND	6.5
BROMOFORM	ND	9.2	ND	3.7	ND	3.7	ND	3.8	ND	3.8	ND	4	ND	4
BROMOMETHANE	ND	1.4	ND	3.5	ND	3.5	ND	3.6	ND	3.6	ND	3.8	ND	3.8
CARBON DISULFIDE	ND	1.1	1.6	1.1	1.6	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.2
CARBON TETRACHLORIDE	2.8	1.1	ND	1.1	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.2
CHLOROBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.8
CHLORODIBROMOMETHANE	ND	3	ND	3	ND	3	ND	3.2	ND	3.2	ND	3.3	ND	3.3
CHLORODIFLUOROMETHANE	ND	1.3	4.2	1.3	4.2	1.3	27	1.3	27	1.3	ND	1.4	ND	1.4
CHLOROETHANE	ND	0.94	ND	2.3	ND	2.3	ND	2.5	ND	2.5	ND	2.6	ND	2.6
CHLOROFORM	5.5	0.87	2.1	1.7	2.1	1.7	2.2	1.8	2.2	1.8	ND	1.9	ND	1.9
CHLOROMETHANE	ND	0.74	ND	0.74	ND	0.74	ND	0.77	ND	0.77	1.4	0.81	1.4	0.81
CIS-1,2-DICHLOROETHENE	3.3	1.4	4.5	1.4	4.5	1.4	10.3	1.5	10.3	1.5	ND	1.6	ND	1.6
CIS-1,3-DICHLOROPROPENE	ND	1.6	ND	4	ND	4	ND	4.2	ND	4.2	ND	4.4	ND	4.4
CYCLOHEXANE	ND	1.2	2.4	1.2	2.4	1.2	ND	1.3	ND	1.3	15.5	1.3	15.5	1.3
DICHLORODIFLUOROMETHANE	2.6	1.8	2.3	1.8	2.3	1.8	2.3	1.8	2.3	1.8	2.4	1.9	2.4	1.9
ETHYLBENZENE	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.7
HEXACHLOROBUTADIENE	ND	3.8	ND	19	ND	19	ND	19.9	ND	19.9	ND	20.8	ND	20.8
HEXANE	ND	1.3	1.5	1.3	1.5	1.3	ND	1.3	ND	1.3	3.2	1.4	3.2	1.4
ISOPROPANOL	42.2	4.4	ND	4.4	ND	4.4	ND	4.6	ND	4.6	8.9	4.8	8.9	4.8
ISOPROPYLBENZENE	ND	4.4	ND	4.4	ND	4.4	ND	4.6	ND	4.6	ND	4.8	ND	4.8
M+P-XYLENES	ND	3.1	ND	3.1	ND	3.1	ND	3.2	ND	3.2	3.4	3.4	3.4	3.4
METHYL ACETATE	ND	2.7	ND	2.7	ND	2.7	ND	2.8	ND	2.8	ND	3	ND	3
METHYL CYCLOHEXANE	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	12.1	1.6	12.1	1.6
METHYL TERT-BUTYL ETHER	ND	6.4	ND	6.4	ND	6.4	ND	6.7	ND	6.7	ND	7	ND	7
METHYLENE CHLORIDE	ND	6.2	ND	6.2	ND	6.2	ND	6.5	ND	6.5	ND	6.8	ND	6.8
O-XYLENE	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.7
PENTAFLUOROETHYL CHLORIDE	ND	5.6	ND	5.6	ND	5.6	ND	5.9	ND	5.9	ND	6.2	ND	6.2
STYRENE	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.7
TETRACHLOROETHENE	201	1.2	68	1.2	68	1.2	73.6	1.3	73.6	1.3	1.7	1.3	1.7	1.3
TOLUENE	3.2	1.3	1.9	1.3	1.9	1.3	2.3	1.4	2.3	1.4	62	1.5	62	1.5
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.6
TRANS-1,3-DICHLOROPROPENE	ND	1.6	ND	4	ND	4	ND	4.2	ND	4.2	ND	4.4	ND	4.4
TRICHLOROETHENE	333	9.6	133	0.96	133	0.96	127	1	127	1	2.1	1.1	2.1	1.1
TRICHLOROFLUOROMETHANE	4.1	2	ND	2	ND	2	ND	2.1	ND	2.1	ND	2.2	ND	2.2
VINYL CHLORIDE	ND	0.46	ND	0.46	ND	0.46	ND	0.48	ND	0.48	ND	0.5	ND	0.5

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-105_50_20160209RE 10338324017 02/09/2016 Air ug/m3		VP-105_50_20160209RE1 10338324017 02/09/2016 Air ug/m3		VP-105_60_20160209 10338324018 02/09/2016 Air ug/m3		VP-105_60_20160209RE 10338324018 02/09/2016 Air ug/m3		VP-105_72_20160209 10338324019 02/09/2016 Air ug/m3		VP-105_72_20160209RE 10338324019 02/09/2016 Air ug/m3		VP-106_11_20160218 10339270011 02/18/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	2.1	2	2.1	2	2.1	2	2.1	2	2.1	1.5	2.1	1.5	ND	1.5
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	0.94	ND	0.94	ND	0.94
1,1,2-TRICHLOROETHANE	ND	1	ND	1	ND	1	ND	1	ND	0.74	ND	0.74	ND	0.74
1,1,2-TRICHLOROTRIFLUOROETHANE	7450	429			237	2.9	237	2.9	228	2.1	228	2.1	ND	2.1
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.8	ND	5.8	ND	5.8	ND	4.3	ND	4.3	ND	4.3
1,1-DICHLOROETHANE	2.6	1.5	2.6	1.5	1.6	1.5	1.6	1.5	ND	1.1	ND	1.1	ND	1.1
1,1-DICHLOROETHENE	12	3.7	12	3.7	8.8	3.7	8.8	3.7	ND	2.7	ND	2.7	ND	1.1
1,1-DIFLUOROETHANE	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	1.8	ND	1.8	ND	1.8
1,2,4-TRICHLOROBENZENE	ND	13.8	ND	13.8	ND	13.8	ND	13.8	ND	10.1	ND	10.1	ND	101
1,2,4-TRIMETHYLBENZENE	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.3	ND	1.3	5.4	1.3
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	9	ND	9	ND	9	ND	6.6	ND	6.6	ND	6.6
1,2-DIBROMOETHANE	ND	2.9	ND	2.9	ND	2.9	ND	2.9	ND	2.1	ND	2.1	ND	2.1
1,2-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.2	ND	2.2	ND	1.6	ND	1.6	ND	4.1
1,2-DICHLOROETHANE	ND	0.75	ND	0.75	ND	0.75	ND	0.75	ND	0.55	ND	0.55	ND	0.55
1,2-DICHLOROPROPANE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.3	ND	1.3	ND	1.3
1,2-DICHLOROTETRAFLUROETHANE	ND	2.6	ND	2.6	ND	2.6	ND	2.6	ND	1.9	ND	1.9	ND	1.9
1,3,5-TRIMETHYLBENZENE	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.3	ND	1.3	1.8	1.3
1,3-BUTADIENE	ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND	1.5	ND	1.5	ND	0.6
1,3-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.2	ND	2.2	ND	1.6	ND	1.6	ND	3.5
1,4-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.2	ND	2.2	40.3	1.6	40.3	1.6	ND	7
1,4-DIOXANE	ND	6.7	ND	6.7	ND	6.7	ND	6.7	ND	4.9	ND	4.9	ND	4.9
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.3	ND	1.3	1.8	1.3
2-BUTANONE	ND	5.5	ND	5.5	ND	5.5	ND	5.5	9.4	4	9.4	4	ND	4
2-HEXANONE	ND	7.6	ND	7.6	ND	7.6	ND	7.6	ND	5.6	ND	5.6	ND	5.6
3-CHLOROPROPENE	ND	2.9	ND	2.9	ND	2.9	ND	2.9	ND	2.1	ND	2.1	ND	2.1
4-METHYL-2-PENTANONE	ND	7.6	ND	7.6	ND	7.6	ND	7.6	ND	5.6	ND	5.6	ND	5.6
ACETONE	11.6	4.4	11.6	4.4	9.2	4.4	9.2	4.4	21.5	3.2	21.5	3.2	16.1	3.2
BENZENE	8.6	1.2	8.6	1.2	2.9	1.2	2.9	1.2	1.6	0.87	1.6	0.87	1.9	0.44
BROMODICHLROMETHANE	ND	6.2	ND	6.2	ND	6.2	ND	6.2	ND	4.6	ND	4.6	ND	1.8
BROMOFORM	ND	3.8	ND	3.8	ND	3.8	ND	3.8	ND	2.8	ND	2.8	ND	71.4
BROMOMETHANE	ND	3.6	ND	3.6	ND	3.6	ND	3.6	ND	2.6	ND	2.6	ND	1.1
CARBON DISULFIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	1.8	0.84	1.8	0.84	ND	0.84
CARBON TETRACHLORIDE	1.7	1.2	1.7	1.2	1.6	1.2	1.6	1.2	0.91	0.86	0.91	0.86	ND	0.86
CHLOROBENZENE	2.8	1.7	2.8	1.7	5.1	1.7	5.1	1.7	2.3	1.3	2.3	1.3	ND	1.3
CHLORODIBROMOMETHANE	ND	3.2	ND	3.2	ND	3.2	ND	3.2	ND	2.3	ND	2.3	ND	2.3
CHLORODIFLUOROMETHANE	140	1.3	140	1.3	109	1.3	109	1.3	107	0.96	107	0.96	41.5	0.96
CHLOROETHANE	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	1.8	ND	1.8	ND	0.72
CHLOROFORM	18.4	1.8	18.4	1.8	16.9	1.8	16.9	1.8	8.6	1.3	8.6	1.3	0.97	0.66
CHLOROMETHANE	2.2	0.77	2.2	0.77	ND	0.77	ND	0.77	ND	0.56	ND	0.56	ND	0.56
CIS-1,2-DICHLOROETHENE	6630	217			2980	217			254	43.4			ND	1.1
CIS-1,3-DICHLOROPROPENE	ND	4.2	ND	4.2	ND	4.2	ND	4.2	ND	3.1	ND	3.1	ND	1.2
CYCLOHEXANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	0.94	ND	0.94	3.6	0.94
DICHLORODIFLUOROMETHANE	44	1.8	44	1.8	2.4	1.8	2.4	1.8	5.8	1.4	5.8	1.4	2.8	1.4
ETHYLBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.2	ND	1.2	2.9	1.2
HEXACHLOROBUTADIENE	ND	19.9	ND	19.9	ND	19.9	ND	19.9	ND	14.5	ND	14.5	ND	2.9
HEXANE	1.6	1.3	1.6	1.3	1.7	1.3	1.7	1.3	2	0.96	2	0.96	39.3	0.96
ISOPROPANOL	ND	4.6	ND	4.6	ND	4.6	ND	4.6	ND	3.4	ND	3.4	ND	3.4
ISOPROPYLBENZENE	ND	4.6	ND	4.6	ND	4.6	ND	4.6	ND	3.4	ND	3.4	ND	3.4
M+P-XYLENES	ND	3.2	ND	3.2	ND	3.2	ND	3.2	ND	2.4	ND	2.4	12.9	2.4
METHYL ACETATE	ND	2.8	ND	2.8	ND	2.8	ND	2.8	ND	2.1	ND	2.1	ND	2.1
METHYL CYCLOHEXANE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.1	ND	1.1	1.4	1.1
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.7	ND	6.7	ND	6.7	ND	4.9	ND	4.9	ND	4.9
METHYLENE CHLORIDE	ND	6.5	ND	6.5	ND	6.5	ND	6.5	ND	4.7	ND	4.7	260	4.7
O-XYLENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.2	ND	1.2	5	1.2
PENTAFLUROETHYL CHLORIDE	ND	5.9	ND	5.9	ND	5.9	ND	5.9	ND	4.3	ND	4.3	ND	4.3
STYRENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.2	ND	1.2	ND	1.2
TETRACHLOROETHENE	4590	185			4800	185			1520	36.9			4.3	0.92
TOLUENE	4.2	1.4	4.2	1.4	2.9	1.4	2.9	1.4	1.6	1	1.6	1	29.1	1
TRANS-1,2-DICHLOROETHENE	23.3	1.5	23.3	1.5	12.6	1.5	12.6	1.5	6.1	1.1	6.1	1.1	ND	1.1
TRANS-1,3-DICHLOROPROPENE	ND	4.2	ND	4.2	ND	4.2	ND	4.2	ND	3.1	ND	3.1	ND	1.2
TRICHLOROETHENE	37200	147			40500	147			5960	29.5			0.79	0.74
TRICHLOROFLUOROMETHANE	53.5	2.1	53.5	2.1	53	2.1	53	2.1	62.3	1.5	62.3	1.5	1.9	1.5
VINYL CHLORIDE	ND	0.48	ND	0.48	ND	0.48	ND	0.48	ND	0.35	ND	0.35	ND	0.35

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-106_19.5_20160218 10339270012 02/18/2016 Air ug/m3		VP-106_28_20160218 10339270013 02/18/2016 Air ug/m3		VP-106_5_20160218 10339270010 02/18/2016 Air ug/m3		VP-106_56_20160218 10339270014 02/18/2016 Air ug/m3		VP-106_72_20160218 10339270015 02/18/2016 Air ug/m3		VP-106_72_20160218 DUP 10339270016 02/18/2016 Air ug/m3		VP-106_84_20160218 10339270017 02/18/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.8	ND	1.8	ND	1.9	ND	1.9	ND	1.9	2.3	1.8	3.5	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.1	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.89	ND	0.89	ND	0.92	ND	0.92	ND	0.92	ND	0.89	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.6	ND	2.6	ND	2.7	31.3	2.7	9.3	2.7	116	2.6	159	2.7
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.1	ND	5.1	ND	5.3	ND	5.3	ND	5.3	ND	5.1	ND	5.3
1,1-DICHLOROETHANE	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.4
1,1-DICHLOROETHENE	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.4	7.1	1.3	15.1	1.4
1,1-DIFLUOROETHANE	ND	2.2	ND	2.2	ND	2.3	ND	2.3	ND	2.3	ND	2.2	ND	2.3
1,2,4-TRICHLOROBENZENE	ND	121	ND	121	ND	127	ND	127	ND	127	ND	121	ND	507
1,2,4-TRIMETHYLBENZENE	ND	1.6	ND	1.6	ND	1.7	ND	1.7	13.7	1.7	2.2	1.6	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	7.9	ND	7.9	ND	8.2	ND	8.2	ND	8.2	ND	7.9	ND	8.2
1,2-DIBROMOETHANE	ND	2.5	ND	2.5	ND	2.6	ND	2.6	ND	2.6	ND	2.5	ND	2.6
1,2-DICHLOROBENZENE	ND	4.9	ND	4.9	ND	5.1	ND	5.1	ND	5.1	ND	4.9	ND	2
1,2-DICHLOROETHANE	ND	0.66	ND	0.66	ND	0.69	ND	0.69	ND	0.69	ND	0.66	ND	0.69
1,2-DICHLOROPROPANE	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.3	ND	2.3	ND	2.4	ND	2.4	ND	2.4	ND	2.3	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	1.6	ND	1.6	ND	1.7	ND	1.7	4.4	1.7	ND	1.6	ND	1.7
1,3-BUTADIENE	ND	0.72	ND	0.72	ND	0.76	ND	0.76	ND	0.76	ND	0.72	ND	0.76
1,3-DICHLOROBENZENE	ND	4.2	ND	4.2	ND	4.4	ND	4.4	ND	4.4	ND	4.2	ND	2
1,4-DICHLOROBENZENE	ND	8.5	ND	8.5	ND	8.8	ND	8.8	ND	8.8	ND	8.5	ND	2
1,4-DIOXANE	ND	5.9	ND	5.9	ND	6.1	ND	6.1	ND	6.1	ND	5.9	ND	492
1-ETHYL-4-METHYL BENZENE	ND	1.6	ND	1.6	ND	1.7	ND	1.7	4.1	1.7	ND	1.6	ND	1.7
2-BUTANONE	ND	4.8	ND	4.8	ND	5	ND	5	ND	5	ND	4.8	ND	5
2-HEXANONE	ND	6.7	ND	6.7	ND	7	ND	7	ND	7	ND	6.7	ND	7
3-CHLOROPROPENE	ND	2.6	ND	2.6	ND	2.7	ND	2.7	ND	2.7	ND	2.6	ND	2.7
4-METHYL-2-PENTANONE	ND	6.7	ND	6.7	ND	7	ND	7	ND	7	ND	6.7	ND	7
ACETONE	8.6	3.9	10.1	3.9	24.5	4.1	20.9	4.1	32.4	4.1	10	3.9	5.1	4.1
BENZENE	ND	0.52	ND	0.52	ND	0.55	0.58	0.55	3.1	0.55	1.1	0.52	0.76	0.55
BROMODICHLROMETHANE	ND	2.2	ND	2.2	ND	2.3	ND	2.3	ND	2.3	ND	2.2	ND	2.3
BROMOFORM	ND	85.7	ND	85.7	ND	89.5	ND	89.5	ND	89.5	ND	85.7	ND	8.8
BROMOMETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3
CARBON DISULFIDE	ND	1	ND	1	ND	1.1	ND	1.1	ND	1.1	ND	1	ND	1.1
CARBON TETRACHLORIDE	ND	1	ND	1	ND	1.1	ND	1.1	ND	1.1	ND	1	ND	1.1
CHLOROBENZENE	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.6
CHLORODIBROMOMETHANE	ND	2.8	ND	2.8	ND	2.9	ND	2.9	ND	2.9	ND	2.8	ND	2.9
CHLORODIFLUOROMETHANE	7.9	1.2	ND	1.2	1.4	1.2	64.1	1.2	123	1.2	47.7	1.2	ND	1.2
CHLOROETHANE	ND	0.87	ND	0.87	ND	0.91	ND	0.91	ND	0.91	ND	0.87	ND	0.91
CHLOROFORM	2	0.8	1.2	0.8	2.1	0.83	1.3	0.83	ND	0.83	4	0.8	3.9	0.83
CHLOROMETHANE	ND	0.68	ND	0.68	ND	0.71	ND	0.71	ND	0.71	ND	0.68	ND	0.71
CIS-1,2-DICHLOROETHENE	ND	1.3	ND	1.3	ND	1.4	43.8	1.4	7.4	1.4	103	1.3	91	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5
CYCLOHEXANE	ND	1.1	ND	1.1	ND	1.2	ND	1.2	4.7	1.2	ND	1.1	ND	1.2
DICHLORODIFLUOROMETHANE	1.9	1.6	2.1	1.6	2.2	1.7	2.1	1.7	2.5	1.7	2.2	1.6	ND	1.7
ETHYLBENZENE	ND	1.4	ND	1.4	ND	1.5	ND	1.5	5.6	1.5	ND	1.4	ND	1.5
HEXACHLOROBUTADIENE	ND	3.5	ND	3.5	ND	3.7	ND	3.7	ND	3.7	ND	3.5	ND	3.7
HEXANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	50.1	1.2	7.5	1.2	2.1	1.2
ISOPROPANOL	ND	4	ND	4	ND	4.2	ND	4.2	ND	4.2	ND	4	ND	336
ISOPROPYLBENZENE	ND	4	ND	4	ND	4.2	ND	4.2	ND	4.2	ND	4	ND	4.2
M+P-XYLENES	ND	2.8	ND	2.8	ND	3	ND	3	25.5	3	3.1	2.8	ND	3
METHYL ACETATE	ND	2.5	ND	2.5	ND	2.6	ND	2.6	ND	2.6	ND	2.5	ND	2.6
METHYL CYCLOHEXANE	ND	1.3	ND	1.3	ND	1.4	ND	1.4	2.1	1.4	ND	1.3	ND	1.4
METHYL TERT-BUTYL ETHER	ND	5.9	ND	5.9	ND	6.2	ND	6.2	ND	6.2	ND	5.9	ND	6.2
METHYLENE CHLORIDE	ND	5.7	ND	5.7	ND	5.9	ND	5.9	434	5.9	53.4	5.7	10.9	5.9
O-XYLENE	ND	1.4	ND	1.4	ND	1.5	ND	1.5	10.4	1.5	ND	1.4	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.2	ND	5.2	ND	5.4	ND	5.4	ND	5.4	ND	5.2	ND	5.4
STYRENE	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5
TETRACHLOROETHENE	22.5	1.1	32.4	1.1	3	1.2	275	1.2	41.2	1.2	355	22.2	580	92.6
TOLUENE	ND	1.2	ND	1.2	ND	1.3	4.6	1.3	34	1.3	6.5	1.2	6.7	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.3	ND	1.3	ND	1.4	1.5	1.4	ND	1.4	3.5	1.3	3.1	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5
TRICHLOROETHENE	11.2	0.89	13.7	0.89	ND	0.92	686	18.5	214	0.92	1650	17.7	2370	73.9
TRICHLOROFLUOROMETHANE	2.2	1.8	2.4	1.8	ND	1.9	7.9	1.9	3.5	1.9	12.6	1.8	12.1	1.9
VINYL CHLORIDE	ND	0.42	ND	0.42	ND	0.44	ND	0.44	ND	0.44	ND	0.42	ND	0.44

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-107_13_20160216 10338962002 02/16/2016 Air ug/m3		VP-107_20_20160216 10338962003 02/16/2016 Air ug/m3		VP-107_33.5_20160216 10338962004 02/16/2016 Air ug/m3		VP-107_44_20160216 10338962005 02/16/2016 Air ug/m3		VP-107_5_20160216 10338962001 02/16/2016 Air ug/m3		VP-107_60_20160216 10338962006 02/16/2016 Air ug/m3		VP-107_74_20160216 10338962007 02/16/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	2	ND	2	ND	2	ND	2.2	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.96	152	0.92	66.2	1	24.5	1	ND	1	6.4	1.1	5.2	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE	59.4	2.8	4750	2.7	2480	2.9	454	2.9	ND	2.9	133	3.2	176	2.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE														
1,1-DICHLOROETHANE	ND	1.4	2	1.4	1.6	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.4
1,1-DICHLOROETHENE	ND	1.4	202	1.4	129	1.5	16.4	1.5	ND	1.5	ND	1.6	ND	1.4
1,1-DIFLUOROETHANE														
1,2,4-TRICHLOROBENZENE	ND	13.2	ND	12.7	ND	13.8	ND	13.8	ND	13.8	ND	15.2	ND	13.2
1,2,4-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.8	ND	1.8	ND	1.8	ND	2	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE														
1,2-DIBROMOETHANE	ND	2.7	ND	2.6	ND	2.9	ND	2.9	ND	2.9	ND	3.1	ND	2.7
1,2-DICHLOROBENZENE	ND	2.1	9.2	2	ND	2.2	ND	2.2	ND	2.2	ND	2.5	ND	2.1
1,2-DICHLOROETHANE	ND	0.72	2	0.69	1	0.75	ND	0.75	ND	0.75	ND	0.82	ND	0.72
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.7	ND	1.9	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.5	ND	2.4	ND	2.6	ND	2.6	ND	2.6	ND	2.9	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.8	ND	1.8	ND	1.8	ND	2	ND	1.7
1,3-BUTADIENE	ND	0.79	ND	0.76	ND	0.82	ND	0.82	ND	0.82	ND	0.9	ND	0.79
1,3-DICHLOROBENZENE	ND	2.1	ND	2	ND	2.2	ND	2.2	ND	2.2	ND	2.5	ND	2.1
1,4-DICHLOROBENZENE	ND	2.1	ND	2	ND	2.2	ND	2.2	ND	2.2	ND	2.5	ND	2.1
1,4-DIOXANE	ND	6.4	ND	6.1	ND	6.7	ND	6.7	ND	6.7	ND	7.4	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.7	ND	1.8	ND	1.8	ND	1.8	ND	2	ND	1.8
2-BUTANONE	ND	5.2	ND	5	7.5	5.5	ND	5.5	ND	5.5	ND	6	ND	5.2
2-HEXANONE	ND	7.3	ND	7	ND	7.6	ND	7.6	ND	7.6	ND	8.4	ND	7.3
3-CHLOROPROPENE	ND	2.8	ND	2.7	ND	2.9	ND	2.9	ND	2.9	ND	3.2	ND	2.8
4-METHYL-2-PENTANONE	ND	7.3	ND	7	ND	7.6	ND	7.6	ND	7.6	ND	8.4	ND	7.3
ACETONE	22.7	4.2	32.7	4	25.6	4.4	6.3	4.4	74.5	4.4	11.9	4.8	22.2	4.2
BENZENE	ND	1.1	2.6	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.1
BROMODICHLOROMETHANE	ND	2.4	ND	2.3	ND	2.5	ND	2.5	ND	2.5	ND	2.7	ND	2.4
BROMOFORM	ND	3.7	ND	3.5	ND	3.8	ND	3.8	ND	3.8	ND	4.2	ND	3.7
BROMOMETHANE	ND	1.4	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.6	ND	1.4
CARBON DISULFIDE	ND	1.1	1.5	1.1	1.4	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.1
CARBON TETRACHLORIDE	ND	1.1	1.2	1.1	1.7	1.2	1.6	1.2	ND	1.2	1.5	1.3	1.4	1.1
CHLOROBENZENE	ND	1.6	4.1	1.6	2.5	1.7	ND	1.7	ND	1.7	ND	1.9	ND	1.6
CHLORODIBROMOMETHANE	ND	3	ND	2.9	ND	3.2	ND	3.2	ND	3.2	ND	3.5	ND	3
CHLORODIFLUOROMETHANE	4.2	1.3	204	1.2	200	1.3	137	1.3	3.1	1.3	150	1.4	154	1.3
CHLOROETHANE	ND	0.94	ND	0.91	ND	0.99	ND	0.99	ND	0.99	ND	1.1	ND	0.94
CHLOROFORM	3.2	1.7	425	1.7	223	1.8	119	1.8	ND	1.8	90.3	2	80.4	1.7
CHLOROMETHANE	ND	0.74	ND	0.71	0.84	0.77	ND	0.77	1.1	0.77	ND	0.84	ND	0.74
CIS-1,2-DICHLOROETHENE	15.6	1.4	1470	1.4	998	1.5	612	1.5	ND	1.5	416	1.6	338	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.6	ND	1.5	ND	1.7	ND	1.7	ND	1.7	ND	1.8	ND	1.6
CYCLOHEXANE	ND	1.2	2.7	1.2	2.1	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.2
DICHLORODIFLUOROMETHANE	2.5	1.8	6.4	1.7	4.4	1.8	2.2	1.8	2.4	1.8	2.2	2	2.1	1.8
ETHYLBENZENE	ND	1.5	3.2	1.5	1.8	1.6	ND	1.6	2.5	1.6	ND	1.8	ND	1.5
HEXACHLOROBUTADIENE	ND	19	ND	18.2	ND	19.9	ND	19.9	ND	19.9	ND	21.8	ND	19
HEXANE	ND	1.3	5.4	1.2	3.8	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3
ISOPROPANOL	ND	4.4	ND	4.2	ND	4.6	ND	4.6	33.6	4.6	ND	5	80.7	4.4
ISOPROPYLBENZENE	ND	4.4	ND	4.2	ND	4.6	ND	4.6	ND	4.6	ND	5	ND	4.4
M+P-XYLENES	ND	3.1	ND	3	ND	3.2	ND	3.2	11.3	3.2	7.7	3.6	ND	3.1
METHYL ACETATE														
METHYL CYCLOHEXANE	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.4
METHYL TERT-BUTYL ETHER	ND	6.4	ND	6.2	ND	6.7	ND	6.7	ND	6.7	ND	7.4	ND	6.4
METHYLENE CHLORIDE	ND	6.2	238	5.9	ND	6.5	ND	6.5	8.1	6.5	ND	7.1	ND	6.2
O-XYLENE	ND	1.5	2	1.5	ND	1.6	ND	1.6	3	1.6	2.3	1.8	ND	1.5
PENTAFLUOROETHYL CHLORIDE														
STYRENE	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.5
TETRACHLOROETHENE	32.9	1.2	2410	1.2	1840	1.3	1190	1.3	ND	1.3	919	1.4	762	1.2
TOLUENE	2	1.3	104	1.3	57.1	1.4	6.7	1.4	20.3	1.4	7.1	1.5	2.2	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.4	229	1.4	155	1.5	27.6	1.5	ND	1.5	6.5	1.6	5.1	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.6	ND	1.5	ND	1.7	ND	1.7	ND	1.7	ND	1.8	ND	1.6
TRICHLOROETHENE	2700	0.96	6650	0.92	5630	1	6730	1	ND	1	2910	1.1	2070	0.96
TRICHLOROFLUOROMETHANE	4.1	2	635	1.9	291	2.1	69.1	2.1	ND	2.1	24.9	2.3	22.6	2
VINYL CHLORIDE	ND	0.46	4.8	0.44	3.2	0.48	ND	0.48	ND	0.48	ND	0.52	ND	0.46

MRL: Method Reporting Limit
ND: The compound was analyzed for but not detected above the reporting limit
ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-108_10_20160202 10337934011 02/02/2016 Air ug/m3		VP-108_20_20160202 10337934012 02/02/2016 Air ug/m3		VP-108_29.5_20160202 10337934013 02/02/2016 Air ug/m3		VP-108_5_20160202 10337934010 02/02/2016 Air ug/m3		VP-108D_50.5_20160202 10337934014 02/02/2016 Air ug/m3		VP-108D_50.5_20160202DUP 10337934015 02/02/2016 Air ug/m3		VP-108D_60_20160202 10337934016 02/02/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	1.9	139	2.1	ND	1.9	ND	1.9	ND	1.9	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.2	ND	1.3	ND	1.2	1.8	1.2	1.8	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	ND	1	ND	0.92	6.1	1.1	ND	0.96	ND	0.96	ND	0.96	ND	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE														
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.3	ND	6.1	ND	5.6	ND	29.8	ND	22.3	ND	5.6
1,1-DICHLOROETHANE	ND	1.5	ND	1.4	46.2	1.6	ND	1.4	ND	1.4	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	ND	1.5	ND	1.4	43.3	1.6	ND	1.4	33	1.4	36	1.4	ND	1.4
1,1-DIFLUOROETHANE	ND	2.5	ND	2.3	ND	2.6	ND	2.4	ND	12.9	ND	9.6	ND	2.4
1,2,4-TRICHLOROBENZENE	ND	13.8	ND	12.7	ND	14.5	ND	13.2	ND	13.2	ND	13.2	ND	13.2
1,2,4-TRIMETHYLBENZENE	ND	4.6	ND	4.2	ND	4.8	ND	4.4	6.1	4.4	6.6	4.4	ND	4.4
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	8.2	ND	9.4	ND	8.6	ND	46.1	ND	34.4	ND	8.6
1,2-DIBROMOETHANE	ND	2.9	ND	2.6	ND	3	ND	2.7	ND	2.7	ND	2.7	ND	2.7
1,2-DICHLOROBENZENE	ND	5.6	ND	5.1	ND	5.9	ND	5.3	ND	5.3	ND	5.3	ND	5.3
1,2-DICHLOROETHANE	ND	0.75	ND	0.69	9.6	0.79	ND	0.72	ND	0.72	ND	0.72	ND	0.72
1,2-DICHLOROPROPANE	ND	1.7	ND	1.6	ND	1.8	ND	1.6	ND	1.6	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.4	ND	2.7	ND	2.5	ND	2.5	ND	2.5	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	9.1	ND	8.4	ND	9.6	ND	8.7	ND	8.7	ND	8.7	ND	8.7
1,3-BUTADIENE	ND	0.82	ND	0.76	ND	0.86	ND	0.79	ND	0.79	ND	0.79	ND	0.79
1,3-DICHLOROBENZENE	ND	2.2	ND	2	6.3	2.3	ND	2.1	ND	2.1	ND	2.1	ND	2.1
1,4-DICHLOROBENZENE	ND	11.2	ND	10.3	ND	11.7	ND	10.7	ND	10.7	ND	10.7	ND	10.7
1,4-DIOXANE	ND	6.7	ND	6.1	ND	7	ND	6.4	ND	6.4	ND	6.4	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	9.1	ND	8.4	ND	9.6	ND	8.7	ND	8.7	ND	8.7	ND	8.7
2-BUTANONE	ND	5.5	ND	5	ND	5.8	ND	5.2	ND	5.2	ND	5.2	ND	5.2
2-HEXANONE	ND	19	ND	17.5	ND	20	ND	18.2	ND	18.2	ND	18.2	ND	18.2
3-CHLOROPROPENE	ND	7.3	ND	6.7	ND	7.6	ND	7	ND	7	ND	7	ND	7
4-METHYL-2-PENTANONE	ND	7.6	ND	7	ND	8	ND	7.3	ND	7.3	ND	7.3	ND	7.3
ACETONE	33.3	4.4	4.9	4	14	4.6	ND	4.2	12	4.2	ND	4.2	8.8	4.2
BENZENE	ND	1.2	ND	1.1	17.1	1.2	ND	1.1	ND	1.1	ND	1.1	ND	1.1
BROMODICHLROMETHANE	ND	2.5	ND	2.3	ND	2.6	ND	2.4	ND	2.4	ND	2.4	ND	2.4
BROMOFORM	ND	9.6	ND	8.8	ND	10.1	ND	9.2	ND	9.2	ND	9.2	ND	9.2
BROMOMETHANE	ND	1.4	ND	1.3	ND	1.5	ND	1.4	ND	1.4	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	2.9	ND	2.7	ND	3	ND	2.8	ND	2.8	ND	2.8	ND	2.8
CARBON TETRACHLORIDE	ND	2.3	ND	2.1	ND	2.5	ND	2.2	ND	2.2	ND	2.2	ND	2.2
CHLOROBENZENE	ND	1.7	ND	1.6	ND	1.8	ND	1.6	ND	1.6	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	15.8	ND	14.5	ND	16.6	ND	15.2	ND	15.2	ND	15.2	ND	15.2
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.2	ND	1.4	2.4	1.3	15.8	1.3	2.8	1.3	1.9	1.3
CHLOROETHANE	ND	0.99	ND	0.91	ND	1	ND	0.94	ND	0.94	ND	0.94	ND	0.94
CHLOROFORM	ND	1.8	ND	1.7	107	1.9	ND	1.7	2.1	1.7	2.3	1.7	ND	1.7
CHLOROMETHANE	ND	0.77	ND	0.71	ND	0.81	ND	0.74	0.98	0.74	0.77	0.74	1	0.74
CIS-1,2-DICHLOROETHENE	ND	1.5	12.8	1.4	47600	995	ND	1.4	11200	152	11800	113	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	4.2	ND	3.9	ND	4.4	ND	4	ND	4	ND	4	ND	4
CYCLOHEXANE	ND	1.3	ND	1.2	ND	1.3	ND	1.2	1.9	1.2	2	1.2	ND	1.2
DICHLORODIFLUOROMETHANE	2.6	1.8	2	1.7	ND	1.9	2.6	1.8	2.4	1.8	2.4	1.8	2.3	1.8
ETHYLBENZENE	ND	1.6	ND	1.5	ND	1.7	ND	1.5	13.4	1.5	14.6	1.5	ND	1.5
HEXACHLOROBUTADIENE	ND	19.9	ND	18.2	ND	20.8	ND	19	ND	19	ND	19	ND	19
HEXANE	ND	1.3	ND	1.2	ND	1.4	ND	1.3	2.8	1.3	1.4	1.3	ND	1.3
ISOPROPANOL	120	4.6	ND	4.2	ND	4.8	ND	4.4	ND	4.4	ND	4.4	ND	4.4
ISOPROPYLBENZENE	ND	4.6	ND	4.2	ND	4.8	ND	4.4	ND	4.4	ND	4.4	ND	4.4
M+P-XYLENES	ND	3.2	ND	3	ND	3.4	ND	3.1	85	3.1	95.1	3.1	ND	3.1
METHYL ACETATE	ND	2.8	ND	2.6	ND	3	ND	2.7	ND	14.4	ND	10.8	ND	2.7
METHYL CYCLOHEXANE	ND	3.7	ND	3.4	ND	3.9	ND	3.6	3.8	3.6	4.2	3.6	ND	3.6
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.2	ND	7	ND	6.4	ND	6.4	ND	6.4	ND	6.4
METHYLENE CHLORIDE	ND	6.5	ND	5.9	ND	6.8	ND	6.2	15.3	6.2	ND	6.2	6.8	6.2
O-XYLENE	ND	1.6	ND	1.5	ND	1.7	ND	1.5	8.2	1.5	8.7	1.5	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.9	ND	5.4	ND	6.2	ND	5.6	ND	30.1	ND	22.5	ND	5.6
STYRENE	ND	1.6	ND	1.5	ND	1.7	ND	1.5	ND	1.5	ND	1.5	ND	1.5
TETRACHLOROETHENE	13.6	1.3	161	1.2	403000	847	ND	1.2	671	32.3	719	24.1	ND	1.2
TOLUENE	ND	1.4	ND	1.3	ND	1.5	ND	1.3	157	1.3	175	1.3	ND	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	995	ND	1.4	ND	1.4	ND	1.4	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	4.2	ND	3.9	ND	4.4	ND	4	ND	4	ND	4	ND	4
TRICHLOROETHENE	3.4	1	26.9	0.92	32800	676	ND	0.96	397	25.8	393	19.2	ND	0.96
TRICHLOROFLUOROMETHANE	ND	2.1	ND	1.9	15.3	2.2	ND	2	ND	2	ND	2	ND	2
VINYL CHLORIDE	ND	0.48	ND	0.44	ND	0.5	ND	0.46	1.7	0.46	1.9	0.46	ND	0.46

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-108D_70_20160202 10337934017 02/02/2016 Air ug/m3		VP-2_10_20160206 10337995006 02/06/2016 Air ug/m3		VP-2_20_20160206 10337995007 02/06/2016 Air ug/m3		VP-2_30_20160206 10337995008 02/06/2016 Air ug/m3		VP-2_5_20160206 10337995005 02/06/2016 Air ug/m3		VP-3_10_20160202 10337934003 02/02/2016 Air ug/m3		VP-3_20_20160202 10337934004 02/02/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	4.8	1.7	2.1	1.9	ND	1.9	4.3	1.9	ND	1.8	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.92	ND	0.85	ND	0.96	ND	0.92	ND	0.92	ND	0.89	ND	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE														
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.3	ND	9.9	ND	22.7	ND	16.2	ND	16.2	ND	5.1	ND	5.6
1,1-DICHLOROETHANE	ND	1.4	4	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.4
1,1-DICHLOROETHENE	3.8	1.4	7	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.4
1,1-DIFLUOROETHANE	ND	2.3	ND	4.2	ND	9.8	ND	7	ND	7	ND	2.2	ND	2.4
1,2,4-TRICHLOROBENZENE	ND	12.7	ND	5.8	ND	6.6	ND	6.3	ND	6.3	ND	12.1	ND	13.2
1,2,4-TRIMETHYLBENZENE	ND	4.2	ND	1.5	ND	1.7	ND	1.7	ND	1.7	ND	4	ND	4.4
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.2	ND	15.2	ND	35	ND	25.1	ND	25.1	ND	7.9	ND	8.6
1,2-DIBROMOETHANE	ND	2.6	ND	2.4	ND	2.7	ND	2.6	ND	2.6	ND	2.5	ND	2.7
1,2-DICHLOROBENZENE	ND	5.1	ND	1.9	ND	2.1	ND	2	ND	2	ND	4.9	ND	5.3
1,2-DICHLOROETHANE	ND	0.69	ND	0.64	ND	0.72	ND	0.69	ND	0.69	ND	0.66	ND	0.72
1,2-DICHLOROPROPANE	ND	1.6	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.4	ND	2.2	ND	2.5	ND	2.4	ND	2.4	ND	2.3	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	8.4	ND	1.5	ND	1.7	ND	1.7	ND	1.7	ND	8	ND	8.7
1,3-BUTADIENE	ND	0.76	ND	0.7	ND	0.79	ND	0.76	ND	0.76	ND	0.72	ND	0.79
1,3-DICHLOROBENZENE	ND	2	ND	1.9	ND	2.1	ND	2	ND	2	ND	2	ND	2.1
1,4-DICHLOROBENZENE	ND	10.3	ND	1.9	ND	2.1	ND	2	ND	2	ND	9.8	ND	10.7
1,4-DIOXANE	ND	6.1	ND	5.7	ND	6.4	ND	6.1	ND	6.1	ND	5.9	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	8.4	ND	1.6	ND	1.8	ND	1.7	ND	1.7	ND	8	ND	8.7
2-BUTANONE	ND	5	ND	4.6	ND	5.2	ND	5	ND	5	ND	4.8	ND	5.2
2-HEXANONE	ND	17.5	ND	6.5	ND	7.3	ND	7	ND	7	ND	16.8	ND	18.2
3-CHLOROPROPENE	ND	6.7	ND	2.5	ND	2.8	ND	2.7	ND	2.7	ND	6.4	ND	7
4-METHYL-2-PENTANONE	ND	7	ND	6.5	ND	7.3	ND	7	ND	7	ND	6.7	ND	7.3
ACETONE	16.1	4	64.1	3.7	15.2	4.2	14.5	4.1	4.4	4.1	47.1	3.9	19.2	4.2
BENZENE	ND	1.1	ND	0.5	0.7	0.57	0.79	0.55	ND	0.55	ND	1	ND	1.1
BROMODICHLROMETHANE	ND	2.3	ND	2.1	ND	2.4	ND	2.3	ND	2.3	ND	2.2	ND	2.4
BROMOFORM	ND	8.8	ND	16.3	ND	18.4	ND	17.7	ND	17.7	ND	8.5	ND	9.2
BROMOMETHANE	ND	1.3	ND	1.2	ND	1.4	ND	1.3	ND	1.3	ND	1.3	ND	1.4
CARBON DISULFIDE	ND	2.7	ND	0.98	ND	1.1	ND	1.1	ND	1.1	ND	2.5	ND	2.8
CARBON TETRACHLORIDE	ND	2.1	ND	0.99	ND	1.1	ND	1.1	ND	1.1	ND	2.1	ND	2.2
CHLOROBENZENE	ND	1.6	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.6
CHLORODIBROMOMETHANE	ND	14.5	ND	2.7	ND	3	ND	2.9	ND	2.9	ND	13.9	ND	15.2
CHLORODIFLUOROMETHANE	ND	1.2	2.3	1.1	47.7	1.3	56.1	1.2	1.7	1.2	ND	1.2	2.9	1.3
CHLOROETHANE	ND	0.91	ND	0.84	ND	0.94	ND	0.91	ND	0.91	ND	0.87	ND	0.94
CHLOROFORM	ND	1.7	2	0.77	2.1	0.87	1.5	0.83	1.3	0.83	2.7	1.6	ND	1.7
CHLOROMETHANE	ND	0.71	ND	0.65	ND	0.74	1	0.71	ND	0.71	ND	0.68	1	0.74
CIS-1,2-DICHLOROETHENE	462	13.6	1650	50.2	26.2	1.4	32.2	1.4	1.5	1.4	50.4	1.3	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	3.9	ND	1.4	ND	1.6	ND	1.5	ND	1.5	ND	3.7	ND	4
CYCLOHEXANE	ND	1.2	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2
DICHLORODIFLUOROMETHANE	8.8	1.7	2.1	1.6	2.9	1.8	3	1.7	1.7	1.7	ND	1.6	2.3	1.8
ETHYLBENZENE	3.5	1.5	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5
HEXACHLOROBUTADIENE	ND	18.2	ND	3.4	ND	3.8	ND	3.7	ND	3.7	ND	17.5	ND	19
HEXANE	ND	1.2	ND	1.1	4.2	1.3	4.6	1.2	ND	1.2	ND	1.2	ND	1.3
ISOPROPANOL	ND	4.2	ND	3.9	ND	4.4	ND	4.2	ND	4.2	ND	4	ND	4.4
ISOPROPYLBENZENE	ND	4.2	ND	3.9	ND	4.4	ND	4.2	ND	4.2	ND	4	ND	4.4
M+P-XYLENES	27.6	3	ND	2.7	ND	3.1	ND	3	ND	3	ND	2.8	ND	3.1
METHYL ACETATE	ND	2.6	ND	4.8	ND	11	ND	7.9	ND	7.9	ND	2.5	ND	2.7
METHYL CYCLOHEXANE	ND	3.4	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	3.3	ND	3.6
METHYL TERT-BUTYL ETHER	ND	6.2	ND	5.7	ND	6.4	ND	6.2	ND	6.2	ND	5.9	ND	6.4
METHYLENE CHLORIDE	ND	5.9	ND	5.5	43.9	6.2	46	5.9	ND	5.9	5.7	5.7	8.6	6.2
O-XYLENE	1.5	1.5	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.4	ND	10	ND	22.9	ND	16.4	ND	16.4	ND	5.2	ND	5.6
STYRENE	ND	1.5	ND	1.3	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5
TETRACHLOROETHENE	128	1.2	1520	42.7	170	1.2	178	1.2	179	1.2	514	11.1	ND	1.2
TOLUENE	101	1.3	2.1	1.2	5.6	1.3	5.8	1.3	ND	1.3	ND	1.2	ND	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.3	ND	1.4	ND	1.4	ND	1.4	6.1	1.3	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	3.9	ND	1.4	ND	1.6	ND	1.5	ND	1.5	ND	3.7	ND	4
TRICHLOROETHENE	30.9	0.92	166	0.85	78.4	0.96	148	0.92	11.2	0.92	154	0.89	ND	0.96
TRICHLOROFLUOROMETHANE	13.9	1.9	ND	1.8	2	2	2	1.9	ND	1.9	ND	1.8	ND	2
VINYL CHLORIDE	ND	0.44	0.59	0.4	ND	0.46	ND	0.44	ND	0.44	ND	0.42	ND	0.46

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-3_30_20160202 10337934005 02/02/2016 Air ug/m3		VP-3_5_20160202 10337934001 02/02/2016 Air ug/m3		VP-3_5_20160202 DUP 10337934002 02/02/2016 Air ug/m3		VP-3D_40_20160202 10337934006 02/02/2016 Air ug/m3		VP-3D_51_20160202 10337934007 02/02/2016 Air ug/m3		VP-3D_61_20160202 10337934008 02/02/2016 Air ug/m3		VP-3D_73_20160202 10337934009 02/02/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	1.9	4	2	4.9	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.92	ND	0.92	ND	0.92	ND	0.96	ND	0.96	ND	1	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE														
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.3	ND	5.3	ND	5.3	ND	5.6	ND	5.6	ND	5.8	ND	5.3
1,1-DICHLOROETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.4
1,1-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.4
1,1-DIFLUOROETHANE	ND	2.3	ND	2.3	ND	2.3	ND	2.4	ND	2.4	ND	2.5	ND	2.3
1,2,4-TRICHLOROBENZENE	ND	12.7	ND	12.7	ND	12.7	ND	13.2	ND	13.2	ND	13.8	ND	12.7
1,2,4-TRIMETHYLBENZENE	ND	4.2	ND	4.2	ND	4.2	ND	4.4	ND	4.4	ND	4.6	ND	4.2
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.2	ND	8.2	ND	8.2	ND	8.6	ND	8.6	ND	9	ND	8.2
1,2-DIBROMOETHANE	ND	2.6	ND	2.6	ND	2.6	ND	2.7	ND	2.7	ND	2.9	ND	2.6
1,2-DICHLOROBENZENE	ND	5.1	ND	5.1	ND	5.1	ND	5.3	ND	5.3	ND	5.6	ND	5.1
1,2-DICHLOROETHANE	ND	0.69	ND	0.69	ND	0.69	ND	0.72	ND	0.72	ND	0.75	ND	0.69
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.4	ND	2.4	ND	2.4	ND	2.5	ND	2.5	ND	2.6	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	8.4	ND	8.4	ND	8.4	ND	8.7	ND	8.7	ND	9.1	ND	8.4
1,3-BUTADIENE	ND	0.76	ND	0.76	ND	0.76	ND	0.79	ND	0.79	ND	0.82	ND	0.76
1,3-DICHLOROBENZENE	ND	2	ND	2	ND	2	ND	2.1	ND	2.1	ND	2.2	ND	2
1,4-DICHLOROBENZENE	ND	10.3	ND	10.3	ND	10.3	ND	10.7	ND	10.7	ND	11.2	ND	10.3
1,4-DIOXANE	ND	6.1	ND	6.1	ND	6.1	ND	6.4	ND	6.4	ND	6.7	ND	6.1
1-ETHYL-4-METHYL BENZENE	ND	8.4	ND	8.4	ND	8.4	ND	8.7	ND	8.7	ND	9.1	ND	8.4
2-BUTANONE	ND	5	ND	5	ND	5	ND	5.2	ND	5.2	ND	5.5	ND	5
2-HEXANONE	ND	17.5	3060	17.5	ND	17.5	ND	18.2	ND	18.2	ND	19	ND	17.5
3-CHLOROPROPENE	ND	6.7	ND	6.7	ND	6.7	ND	7	ND	7	ND	7.3	ND	6.7
4-METHYL-2-PENTANONE	ND	7	ND	7	ND	7	ND	7.3	ND	7.3	ND	7.6	ND	7
ACETONE	13.4	4	12	4	4.9	4	18.6	4.2	6.2	4.2	29.9	4.4	5.2	4
BENZENE	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1.2	ND	1.1
BROMODICHLROMETHANE	ND	2.3	ND	2.3	ND	2.3	ND	2.4	ND	2.4	7	2.5	11.3	2.3
BROMOFORM	ND	8.8	ND	8.8	ND	8.8	ND	9.2	ND	9.2	ND	9.6	ND	8.8
BROMOMETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.3
CARBON DISULFIDE	ND	2.7	ND	2.7	ND	2.7	ND	2.8	ND	2.8	ND	2.9	ND	2.7
CARBON TETRACHLORIDE	ND	2.1	ND	2.1	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.1
CHLOROBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.6
CHLORODIBROMOMETHANE	ND	14.5	ND	14.5	ND	14.5	ND	15.2	ND	15.2	ND	15.8	ND	14.5
CHLORODIFLUOROMETHANE	ND	1.2	ND	1.2	1.5	1.2	ND	1.3	ND	1.3	ND	1.3	ND	1.2
CHLOROETHANE	ND	0.91	ND	0.91	ND	0.91	ND	0.94	ND	0.94	ND	0.99	ND	0.91
CHLOROFORM	2.3	1.7	ND	1.7	ND	1.7	1.8	1.7	5.3	1.7	10.1	1.8	13.2	1.7
CHLOROMETHANE	ND	0.71	ND	0.71	ND	0.71	ND	0.74	ND	0.74	ND	0.77	0.86	0.71
CIS-1,2-DICHLOROETHENE	77	1.4	ND	1.4	ND	1.4	83	1.4	323	14.2	95.1	1.5	23.6	1.4
CIS-1,3-DICHLOROPROPENE	ND	3.9	ND	3.9	ND	3.9	ND	4	ND	4	ND	4.2	ND	3.9
CYCLOHEXANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.2
DICHLORODIFLUOROMETHANE	2.3	1.7	ND	1.7	2.2	1.7	ND	1.8	2.8	1.8	5.4	1.8	5.7	1.7
ETHYLBENZENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.5
HEXACHLOROBUTADIENE	ND	18.2	ND	18.2	ND	18.2	ND	19	ND	19	ND	19.9	ND	18.2
HEXANE	ND	1.2	ND	1.2	ND	1.2	1.9	1.3	ND	1.3	ND	1.3	ND	1.2
ISOPROPANOL	ND	4.2	ND	4.2	ND	4.2	ND	4.4	ND	4.4	7.6	4.6	ND	4.2
ISOPROPYLBENZENE	ND	4.2	ND	4.2	ND	4.2	ND	4.4	ND	4.4	ND	4.6	ND	4.2
M+P-XYLENES	ND	3	ND	3	ND	3	ND	3.1	ND	3.1	ND	3.2	ND	3
METHYL ACETATE	ND	2.6	ND	2.6	ND	2.6	ND	2.7	ND	2.7	ND	2.8	ND	2.6
METHYL CYCLOHEXANE	ND	3.4	ND	3.4	ND	3.4	ND	3.6	ND	3.6	ND	3.7	ND	3.4
METHYL TERT-BUTYL ETHER	ND	6.2	ND	6.2	ND	6.2	ND	6.4	ND	6.4	ND	6.7	ND	6.2
METHYLENE CHLORIDE	ND	5.9	ND	5.9	ND	5.9	7.5	6.2	8.1	6.2	ND	6.5	ND	5.9
O-XYLENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.4	ND	5.4	ND	5.4	ND	5.6	ND	5.6	ND	5.9	ND	5.4
STYRENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.5
TETRACHLOROETHENE	494	11.6	10	1.2	9.8	1.2	558	12.1	640	12.1	702	12.6	472	11.6
TOLUENE	ND	1.3	ND	1.3	2.2	1.3	5.6	1.3	ND	1.3	ND	1.4	1.4	1.3
TRANS-1,2-DICHLOROETHENE	5.2	1.4	ND	1.4	ND	1.4	4.4	1.4	2.7	1.4	ND	1.5	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	3.9	ND	3.9	ND	3.9	ND	4	ND	4	ND	4.2	ND	3.9
TRICHLOROETHENE	152	0.92	3.1	0.92	ND	0.92	161	0.96	193	0.96	165	1	106	0.92
TRICHLOROFLUOROMETHANE	ND	1.9	ND	1.9	ND	1.9	ND	2	ND	2	3.5	2.1	3.5	1.9
VINYL CHLORIDE	ND	0.44	ND	0.44	ND	0.44	ND	0.46	ND	0.46	ND	0.48	ND	0.44

MRL: Method Reporting Limit
ND: The compound was analyzed for but not detected above the reporting limit
ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-4_10_20160218 10339270003 02/18/2016 Air ug/m3		VP-4_20_20160218 10339270004 02/18/2016 Air ug/m3		VP-4_30_20160218 10339270005 02/18/2016 Air ug/m3		VP-4_5_20160218 10339270001 02/18/2016 Air ug/m3		VP-4_5_20160218 DUP 10339270002 02/18/2016 Air ug/m3		VP-5_10_20160206 10337995009 02/06/2016 Air ug/m3		VP-5_20_20160206 10337995010 02/06/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.8	4.7	1.8	ND	1.8	ND	1.9	ND	1.9	ND	1.6	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.1	ND	1.1	ND	1.1	ND	1.2	ND	1.2	ND	1	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.89	ND	0.89	ND	0.89	ND	0.92	ND	0.92	ND	0.79	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.6	ND	2.6	4.6	2.6	ND	2.7	ND	2.7				
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.1	ND	5.1	ND	5.1	ND	5.3	ND	5.3	ND	13.9	ND	16.2
1,1-DICHLOROETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.2	ND	1.4
1,1-DICHLOROETHENE	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.2	ND	1.4
1,1-DIFLUOROETHANE	ND	2.2	ND	2.2	ND	2.2	ND	2.3	ND	2.3	ND	6	ND	7
1,2,4-TRICHLOROBENZENE	ND	121	ND	121	ND	121	ND	127	ND	127	ND	5.4	ND	6.3
1,2,4-TRIMETHYLBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.4	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	7.9	ND	7.9	ND	7.9	ND	8.2	ND	8.2	ND	21.5	ND	25.1
1,2-DIBROMOETHANE	ND	2.5	ND	2.5	ND	2.5	ND	2.6	ND	2.6	ND	2.2	ND	2.6
1,2-DICHLOROBENZENE	ND	4.9	ND	4.9	ND	4.9	ND	5.1	ND	5.1	ND	1.8	ND	2
1,2-DICHLOROETHANE	ND	0.66	ND	0.66	ND	0.66	ND	0.69	ND	0.69	ND	0.59	ND	0.69
1,2-DICHLOROPROPANE	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.4	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.3	ND	2.3	ND	2.3	ND	2.4	ND	2.4	ND	2	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.4	ND	1.7
1,3-BUTADIENE	ND	0.72	ND	0.72	ND	0.72	ND	0.76	ND	0.76	ND	0.65	ND	0.76
1,3-DICHLOROBENZENE	ND	4.2	ND	4.2	ND	4.2	ND	4.4	ND	4.4	ND	1.8	ND	2
1,4-DICHLOROBENZENE	ND	8.5	ND	8.5	ND	8.5	ND	8.8	ND	8.8	ND	1.8	ND	2
1,4-DIOXANE	ND	5.9	ND	5.9	ND	5.9	ND	6.1	ND	6.1	ND	5.3	ND	6.1
1-ETHYL-4-METHYL BENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.4	ND	1.7
2-BUTANONE	9.4	4.8	ND	4.8	6.1	4.8	ND	5	ND	5	ND	4.3	ND	5
2-HEXANONE	ND	6.7	ND	6.7	ND	6.7	ND	7	ND	7	ND	6	ND	7
3-CHLOROPROPENE	ND	2.6	ND	2.6	ND	2.6	ND	2.7	ND	2.7	ND	2.3	ND	2.7
4-METHYL-2-PENTANONE	ND	6.7	ND	6.7	ND	6.7	ND	7	ND	7	ND	6	ND	7
ACETONE	29.3	3.9	12.8	3.9	22.5	3.9	7.5	4.1	7.9	4.1	5.7	3.5	8.7	4.1
BENZENE	ND	0.52	ND	0.52	ND	0.52	ND	0.55	ND	0.55	ND	0.47	ND	0.55
BROMODICHLOROMETHANE	ND	2.2	ND	2.2	ND	2.2	ND	2.3	ND	2.3	ND	2	ND	2.3
BROMOFORM	ND	85.7	ND	85.7	ND	85.7	ND	89.5	ND	89.5	ND	15.1	ND	17.7
BROMOMETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.1	ND	1.3
CARBON DISULFIDE	ND	1	ND	1	ND	1	ND	1.1	ND	1.1	ND	0.91	ND	1.1
CARBON TETRACHLORIDE	ND	1	ND	1	ND	1	ND	1.1	ND	1.1	ND	0.92	ND	1.1
CHLOROBENZENE	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.4	ND	1.6
CHLORODIBROMOMETHANE	ND	2.8	ND	2.8	ND	2.8	ND	2.9	ND	2.9	ND	2.5	ND	2.9
CHLORODIFLUOROMETHANE	2.7	1.2	8.8	1.2	ND	1.2	3.5	1.2	3.2	1.2	3.9	1	1.8	1.2
CHLOROETHANE	ND	0.87	ND	0.87	ND	0.87	ND	0.91	ND	0.91	ND	0.78	ND	0.91
CHLOROFORM	1.3	0.8	ND	0.8	0.87	0.8	ND	0.83	ND	0.83	ND	0.71	1.3	0.83
CHLOROMETHANE	ND	0.68	ND	0.68	ND	0.68	ND	0.71	ND	0.71	ND	0.6	ND	0.71
CIS-1,2-DICHLOROETHENE	ND	1.3	ND	1.3	2.3	1.3	ND	1.4	ND	1.4	ND	1.2	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.3	ND	1.5
CYCLOHEXANE	ND	1.1	ND	1.1	ND	1.1	ND	1.2	ND	1.2	ND	1	ND	1.2
DICHLORODIFLUOROMETHANE	2.3	1.6	2.5	1.6	2.9	1.6	1.8	1.7	2.4	1.7	3.2	1.5	10.3	1.7
ETHYLBENZENE	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.3	ND	1.5
HEXACHLOROBUTADIENE	ND	3.5	ND	3.5	ND	3.5	ND	3.7	ND	3.7	ND	3.2	ND	3.7
HEXANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.2	2.4	1	ND	1.2
ISOPROPANOL	ND	4	4.5	4	6.5	4	9.8	4.2	ND	4.2	ND	3.6	ND	4.2
ISOPROPYLBENZENE	ND	4	ND	4	ND	4	ND	4.2	ND	4.2	ND	3.6	ND	4.2
M+P-XYLENES	ND	2.8	ND	2.8	ND	2.8	ND	3	ND	3	ND	2.5	ND	3
METHYL ACETATE	ND	2.5	ND	2.5	ND	2.5	ND	2.6	ND	2.6	ND	6.7	ND	7.9
METHYL CYCLOHEXANE	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.2	ND	1.4
METHYL TERT-BUTYL ETHER	ND	5.9	ND	5.9	ND	5.9	ND	6.2	ND	6.2	ND	5.3	ND	6.2
METHYLENE CHLORIDE	ND	5.7	ND	5.7	ND	5.7	ND	5.9	ND	5.9	37.8	5.1	ND	5.9
O-XYLENE	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.3	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.2	ND	5.2	ND	5.2	ND	5.4	ND	5.4	ND	14.1	ND	16.4
STYRENE	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.5	ND	1.3	ND	1.5
TETRACHLOROETHENE	5.5	1.1	5.8	1.1	70.2	1.1	5.2	1.2	5.2	1.2	66.4	0.99	103	1.2
TOLUENE	ND	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.3	1.2	1.1	ND	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.4	ND	1.2	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.3	ND	1.5
TRICHLOROETHENE	4	0.89	5.9	0.89	63.7	0.89	2.2	0.92	1.7	0.92	ND	0.79	91.2	0.92
TRICHLOROFLUOROMETHANE	ND	1.8	ND	1.8	ND	1.8	ND	1.9	ND	1.9	ND	1.6	2.5	1.9
VINYL CHLORIDE	ND	0.42	ND	0.42	ND	0.42	ND	0.44	ND	0.44	ND	0.37	ND	0.44

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-5_20_20160206DUP 10337995011 02/06/2016 Air ug/m3		VP-5_30_20160206 10337995012 02/06/2016 Air ug/m3		VP-6_10_20160206 10337995014 02/06/2016 Air ug/m3		VP-6_20_20160206 10337995015 02/06/2016 Air ug/m3		VP-6_30_20160206 10337995016 02/06/2016 Air ug/m3		VP-6_30_20160206DUP 10337995017 02/06/2016 Air ug/m3		VP-6_5_20160206 10337995013 02/06/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.7	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.1	ND	1.1	ND	1.1	ND	1.1	ND	1	ND	1.2
1,1,2-TRICHLOROETHANE	ND	0.92	ND	0.89	ND	0.89	ND	0.89	ND	0.89	ND	0.82	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE														
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	16.2	ND	15.6	ND	15.6	ND	15.6	ND	15.6	ND	14.4	ND	16.2
1,1-DICHLOROETHANE	ND	1.4	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.4
1,1-DICHLOROETHENE	ND	1.4	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.4
1,1-DIFLUOROETHANE	ND	7	ND	6.7	ND	6.7	ND	6.7	ND	6.7	ND	6.2	ND	7
1,2,4-TRICHLOROBENZENE	ND	6.3	ND	6.1	ND	6.1	ND	6.1	ND	6.1	ND	5.6	ND	6.3
1,2,4-TRIMETHYLBENZENE	ND	1.7	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	25.1	ND	24	ND	24	ND	24	ND	24	ND	22.2	ND	25.1
1,2-DIBROMOETHANE	ND	2.6	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.3	ND	2.6
1,2-DICHLOROBENZENE	ND	2	ND	2	ND	2	ND	2	ND	2	ND	1.8	ND	2
1,2-DICHLOROETHANE	ND	0.69	ND	0.66	ND	0.66	ND	0.66	ND	0.66	ND	0.61	ND	0.69
1,2-DICHLOROPROPANE	ND	1.6	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.4	ND	2.3	ND	2.3	ND	2.3	ND	2.3	ND	2.1	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.7
1,3-BUTADIENE	ND	0.76	ND	0.72	ND	0.72	ND	0.72	ND	0.72	ND	0.67	ND	0.76
1,3-DICHLOROBENZENE	ND	2	ND	2	ND	2	ND	2	ND	2	ND	1.8	ND	2
1,4-DICHLOROBENZENE	ND	2	ND	2	ND	2	ND	2	ND	2	ND	1.8	ND	2
1,4-DIOXANE	ND	6.1	ND	5.9	ND	5.9	ND	5.9	ND	5.9	ND	5.5	ND	6.1
1-ETHYL-4-METHYL BENZENE	ND	1.7	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.5	ND	1.7
2-BUTANONE	ND	5	ND	4.8	ND	4.8	ND	4.8	ND	4.8	ND	4.5	ND	5
2-HEXANONE	ND	7	ND	6.7	ND	6.7	ND	6.7	ND	6.7	ND	6.2	ND	7
3-CHLOROPROPENE	ND	2.7	ND	2.6	ND	2.6	ND	2.6	ND	2.6	ND	2.4	ND	2.7
4-METHYL-2-PENTANONE	ND	7	ND	6.7	ND	6.7	ND	6.7	ND	6.7	ND	6.2	ND	7
ACETONE	11.3	4.1	14	3.9	ND	3.9	ND	3.9	ND	3.9	ND	3.6	11.5	4.1
BENZENE	ND	0.55	0.67	0.52	ND	0.52	0.96	0.52	ND	0.52	ND	0.48	0.59	0.55
BROMODICHLOROMETHANE	ND	2.3	ND	2.2	ND	2.2	ND	2.2	ND	2.2	ND	2	ND	2.3
BROMOFORM	ND	17.7	ND	16.9	ND	16.9	ND	16.9	ND	16.9	ND	15.7	ND	17.7
BROMOMETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.3
CARBON DISULFIDE	ND	1.1	ND	1	ND	1	ND	1	ND	1	ND	0.94	ND	1.1
CARBON TETRACHLORIDE	ND	1.1	ND	1	ND	1	ND	1	ND	1	ND	0.95	ND	1.1
CHLOROBENZENE	ND	1.6	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.6
CHLORODIBROMOMETHANE	ND	2.9	ND	2.8	ND	2.8	ND	2.8	ND	2.8	ND	2.6	ND	2.9
CHLORODIFLUOROMETHANE	32.2	1.2	48.3	1.2	1.6	1.2	1.4	1.2	2.3	1.2	1.8	1.1	35.9	1.2
CHLOROETHANE	ND	0.91	ND	0.87	ND	0.87	ND	0.87	ND	0.87	ND	0.8	ND	0.91
CHLOROFORM	1	0.83	1	0.8	ND	0.8	ND	0.8	0.8	0.8	0.86	0.74	ND	0.83
CHLOROMETHANE	ND	0.71	0.98	0.68	ND	0.68	ND	0.68	ND	0.68	ND	0.63	ND	0.71
CIS-1,2-DICHLOROETHENE	ND	1.4	ND	1.3	ND	1.3	ND	1.3	ND	1.3	1.3	1.2	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5
CYCLOHEXANE	ND	1.2	ND	1.1	6.9	1.1	ND	1.1	ND	1.1	ND	1	ND	1.2
DICHLORODIFLUOROMETHANE	7	1.7	9.3	1.6	ND	1.6	2.1	1.6	2.1	1.6	2.2	1.5	2.7	1.7
ETHYLBENZENE	ND	1.5	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.5
HEXACHLOROBUTADIENE	ND	3.7	ND	3.5	ND	3.5	ND	3.5	ND	3.5	ND	3.3	ND	3.7
HEXANE	2.6	1.2	4.2	1.2	8.2	1.2	ND	1.2	ND	1.2	ND	1.1	2.8	1.2
ISOPROPANOL	ND	4.2	ND	4	ND	4	ND	4	ND	4	ND	3.7	ND	4.2
ISOPROPYLBENZENE	ND	4.2	ND	4	ND	4	ND	4	ND	4	ND	3.7	ND	4.2
M+P-XYLENES	ND	3	ND	2.8	ND	2.8	ND	2.8	ND	2.8	ND	2.6	ND	3
METHYL ACETATE	ND	7.9	ND	7.5	ND	7.5	ND	7.5	ND	7.5	ND	7	ND	7.9
METHYL CYCLOHEXANE	ND	1.4	ND	1.3	5	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.4
METHYL TERT-BUTYL ETHER	ND	6.2	ND	5.9	ND	5.9	ND	5.9	ND	5.9	ND	5.5	ND	6.2
METHYLENE CHLORIDE	29.3	5.9	39.4	5.7	ND	5.7	ND	5.7	ND	5.7	ND	5.3	33.6	5.9
O-XYLENE	ND	1.5	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	16.4	ND	15.7	ND	15.7	ND	15.7	ND	15.7	ND	14.5	ND	16.4
STYRENE	ND	1.5	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.3	ND	1.5
TETRACHLOROETHENE	72.4	1.2	77.1	1.1	14	1.1	67.2	1.1	94.7	1.1	95.8	1	14.6	1.2
TOLUENE	3.2	1.3	4.8	1.2	1.5	1.2	ND	1.2	ND	1.2	ND	1.1	3.9	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.4	ND	1.5
TRICHLOROETHENE	65.8	0.92	70.9	0.89	ND	0.89	5.2	0.89	22.5	0.89	22.4	0.82	1.2	0.92
TRICHLOROFLUOROMETHANE	2.5	1.9	2.6	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.7	ND	1.9
VINYL CHLORIDE	ND	0.44	ND	0.42	ND	0.42	ND	0.42	ND	0.42	ND	0.39	ND	0.44

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-9_10_20160209 10338324007 02/09/2016 Air ug/m3		VP-9_10_20160209DUPRE 10338324008 02/09/2016 Air ug/m3		VP-9_10_20160209DUPRE1 10338324008 02/09/2016 Air ug/m3		VP-9_10_20160209RE 10338324007 02/09/2016 Air ug/m3		VP-9_20_20160209 10338324009 02/09/2016 Air ug/m3		VP-9_20_20160209RE 10338324009 02/09/2016 Air ug/m3		VP-9_30_20160209 10338324010 02/09/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	2	ND	2	ND	1.9	2.6	2.1	2.6	2.1	27.7	2.6
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.3	ND	1.3	ND	1.2	ND	1.3	ND	1.3	ND	1.7
1,1,2-TRICHLOROETHANE	ND	0.96	ND	1	ND	1	ND	0.96	10.8	1.1	10.8	1.1	43.5	1.3
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.8	ND	2.9	ND	2.9	ND	2.8	16.9	3.1	16.9	3.1	175	3.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.6	ND	5.8	ND	5.8	ND	5.6	ND	6.1	ND	6.1	ND	7.5
1,1-DICHLOROETHANE	ND	1.4	ND	1.5	ND	1.5	ND	1.4	ND	1.6	ND	1.6	2.7	1.9
1,1-DICHLOROETHENE	ND	3.5	ND	3.7	ND	3.7	ND	3.5	ND	3.9	ND	3.9	7	4.8
1,1-DIFLUOROETHANE	ND	2.4	ND	2.5	ND	2.5	ND	2.4	22.2	2.6	22.2	2.6	ND	3.2
1,2,4-TRICHLOROBENZENE	ND	13.2	ND	13.8	ND	13.8	ND	13.2	ND	14.5	ND	14.5	ND	17.9
1,2,4-TRIMETHYLBENZENE	ND	1.7	ND	1.8	ND	1.8	ND	1.7	ND	1.9	ND	1.9	ND	2.4
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.6	ND	9	ND	9	ND	8.6	ND	9.4	ND	9.4	ND	11.6
1,2-DIBROMOETHANE	ND	2.7	ND	2.9	ND	2.9	ND	2.7	ND	3	ND	3	ND	3.7
1,2-DICHLOROBENZENE	ND	2.1	ND	2.2	ND	2.2	ND	2.1	ND	2.3	ND	2.3	ND	2.9
1,2-DICHLOROETHANE	ND	0.72	ND	0.75	ND	0.75	ND	0.72	ND	0.79	ND	0.79	ND	0.97
1,2-DICHLOROPROPANE	ND	1.6	ND	1.7	ND	1.7	ND	1.6	ND	1.8	ND	1.8	ND	2.2
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.5	ND	2.6	ND	2.6	ND	2.5	ND	2.7	ND	2.7	ND	3.4
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.8	ND	1.8	ND	1.7	ND	1.9	ND	1.9	ND	2.4
1,3-BUTADIENE	ND	2	ND	2.1	ND	2.1	ND	2	ND	2.2	ND	2.2	ND	2.7
1,3-DICHLOROBENZENE	ND	2.1	ND	2.2	ND	2.2	ND	2.1	ND	2.3	ND	2.3	ND	2.9
1,4-DICHLOROBENZENE	ND	2.1	ND	2.2	ND	2.2	ND	2.1	ND	2.3	ND	2.3	ND	2.9
1,4-DIOXANE	ND	6.4	ND	6.7	ND	6.7	ND	6.4	ND	7	ND	7	ND	8.7
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.9	ND	1.9	ND	2.4
2-BUTANONE	ND	5.2	ND	5.5	ND	5.5	ND	5.2	ND	5.8	ND	5.8	ND	7.1
2-HEXANONE	ND	7.3	ND	7.6	ND	7.6	ND	7.3	ND	8	ND	8	ND	9.9
3-CHLOROPROPENE	ND	2.8	ND	2.9	ND	2.9	ND	2.8	ND	3.1	ND	3.1	ND	3.8
4-METHYL-2-PENTANONE	ND	7.3	ND	7.6	ND	7.6	ND	7.3	ND	8	ND	8	ND	9.9
ACETONE	5.9	4.2	14.8	4.4	14.8	4.4	5.9	4.2	18.4	4.6	18.4	4.6	13.5	5.7
BENZENE	ND	1.1	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2	2.4	1.5
BROMODICHLOROMETHANE	ND	6	ND	6.2	ND	6.2	ND	6	ND	6.5	ND	6.5	ND	8.1
BROMOFORM	ND	3.7	ND	3.8	ND	3.8	ND	3.7	ND	4	ND	4	ND	5
BROMOMETHANE	ND	3.5	ND	3.6	ND	3.6	ND	3.5	ND	3.8	ND	3.8	ND	4.7
CARBON DISULFIDE	ND	1.1	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2	ND	1.5
CARBON TETRACHLORIDE	ND	1.1	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2	5.8	1.5
CHLOROBENZENE	ND	1.6	ND	1.7	ND	1.7	ND	1.6	ND	1.8	ND	1.8	ND	2.2
CHLORODIBROMOMETHANE	ND	3	ND	3.2	ND	3.2	ND	3	ND	3.3	ND	3.3	ND	4.1
CHLORODIFLUOROMETHANE	44.7	1.3	42.5	1.3	42.5	1.3	44.7	1.3	18.5	1.4	18.5	1.4	3.1	1.7
CHLOROETHANE	ND	2.3	ND	2.5	ND	2.5	ND	2.3	ND	2.6	ND	2.6	ND	3.2
CHLOROFORM	ND	1.7	ND	1.8	ND	1.8	ND	1.7	12.2	1.9	12.2	1.9	126	2.3
CHLOROMETHANE	ND	0.74	ND	0.77	ND	0.77	ND	0.74	ND	0.81	ND	0.81	ND	1
CIS-1,2-DICHLOROETHENE	ND	1.4	ND	1.5	ND	1.5	ND	1.4	116	1.6	116	1.6	1680	76.8
CIS-1,3-DICHLOROPROPENE	ND	4	ND	4.2	ND	4.2	ND	4	ND	4.4	ND	4.4	ND	5.5
CYCLOHEXANE	ND	1.2	ND	1.3	ND	1.3	ND	1.2	2	1.3	2	1.3	ND	1.7
DICHLORODIFLUOROMETHANE	2.6	1.8	2.2	1.8	2.2	1.8	2.6	1.8	2.3	1.9	2.3	1.9	ND	2.4
ETHYLBENZENE	ND	1.5	ND	1.6	ND	1.6	ND	1.5	ND	1.7	ND	1.7	ND	2.1
HEXACHLOROBUTADIENE	ND	19	ND	19.9	ND	19.9	ND	19	ND	20.8	ND	20.8	ND	25.7
HEXANE	ND	1.3	1.5	1.3	1.5	1.3	ND	1.3	1.5	1.4	1.5	1.4	2.1	1.7
ISOPROPANOL	ND	4.4	ND	4.6	ND	4.6	ND	4.4	4.8	4.8	4.8	4.8	ND	5.9
ISOPROPYLBENZENE	ND	4.4	ND	4.6	ND	4.6	ND	4.4	ND	4.8	ND	4.8	ND	5.9
M+P-XYLENES	ND	3.1	ND	3.2	ND	3.2	ND	3.1	ND	3.4	ND	3.4	ND	4.2
METHYL ACETATE	ND	2.7	ND	2.8	ND	2.8	ND	2.7	ND	3	ND	3	ND	3.6
METHYL CYCLOHEXANE	ND	1.4	ND	1.5	ND	1.5	ND	1.4	2.4	1.6	2.4	1.6	2.2	1.9
METHYL TERT-BUTYL ETHER	ND	6.4	ND	6.7	ND	6.7	ND	6.4	ND	7	ND	7	10.3	8.7
METHYLENE CHLORIDE	ND	6.2	ND	6.5	ND	6.5	ND	6.2	ND	6.8	ND	6.8	ND	8.4
O-XYLENE	ND	1.5	ND	1.6	ND	1.6	ND	1.5	ND	1.7	ND	1.7	ND	2.1
PENTAFLUOROETHYL CHLORIDE	ND	5.6	ND	5.9	ND	5.9	ND	5.6	ND	6.2	ND	6.2	ND	7.6
STYRENE	ND	1.5	ND	1.6	ND	1.6	ND	1.5	ND	1.7	ND	1.7	ND	2.1
TETRACHLOROETHENE	6.7	1.2	6.7	1.3	6.7	1.3	6.7	1.2	377	1.3	377	1.3	1870	65.3
TOLUENE	ND	1.3	ND	1.4	ND	1.4	ND	1.3	9.7	1.5	9.7	1.5	7.7	1.8
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.5	ND	1.5	ND	1.4	ND	1.6	ND	1.6	6.2	1.9
TRANS-1,3-DICHLOROPROPENE	ND	4	ND	4.2	ND	4.2	ND	4	ND	4.4	ND	4.4	ND	5.5
TRICHLOROETHENE	18.9	0.96	20.1	1	20.1	1	18.9	0.96	905	28.3			14800	52.1
TRICHLOROFLUOROMETHANE	ND	2	ND	2.1	ND	2.1	ND	2	ND	2.2	ND	2.2	ND	2.7
VINYL CHLORIDE	ND	0.46	ND	0.48	ND	0.48	ND	0.46	ND	0.5	ND	0.5	ND	0.62

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID	VP-9_30_20160209RE		VP-9_40_20160209		VP-9_40_20160209RE		VP-9_50_20160209		VP-9_50_20160209RE		VP-9_60_20160209		VP-9_60_20160209RE	
Lab Sample ID	10338324010		10338324011		10338324011		10338324012		10338324012		10338324013		10338324013	
Sampling Date	02/09/2016		02/09/2016		02/09/2016		02/09/2016		02/09/2016		02/09/2016		02/09/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Duplicate Of														
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	27.7	2.6	ND	2.2	ND	2.2	5.5	1.9	5.5	1.9	7.8	1.9	7.8	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.7	ND	1.4	ND	1.4	ND	1.2	ND	1.2	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	43.5	1.3	69.1	1.1	69.1	1.1	5.8	0.96	5.8	0.96	6.2	0.96	6.2	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE	175	3.8	355000	2060			408	2.8	408	2.8	408	2.8	408	2.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	7.5	ND	6.4	ND	6.4	ND	5.6	ND	5.6	ND	5.6	ND	5.6
1,1-DICHLOROETHANE	2.7	1.9	148	1.6	148	1.6	ND	1.4	ND	1.4	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	7	4.8	2000	1040			15.2	3.5	15.2	3.5	19.2	3.5	19.2	3.5
1,1-DIFLUOROETHANE	ND	3.2	ND	2.8	ND	2.8	ND	2.4	ND	2.4	ND	2.4	ND	2.4
1,2,4-TRICHLOROBENZENE	ND	17.9	ND	15.2	ND	15.2	ND	13.2	ND	13.2	ND	13.2	ND	13.2
1,2,4-TRIMETHYLBENZENE	ND	2.4	ND	2	ND	2	ND	1.7	ND	1.7	ND	1.7	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	11.6	ND	9.9	ND	9.9	ND	8.6	ND	8.6	ND	8.6	ND	8.6
1,2-DIBROMOETHANE	ND	3.7	ND	3.1	ND	3.1	ND	2.7	ND	2.7	ND	2.7	ND	2.7
1,2-DICHLOROBENZENE	ND	2.9	ND	2.5	ND	2.5	3.2	2.1	3.2	2.1	3.7	2.1	3.7	2.1
1,2-DICHLOROETHANE	ND	0.97	ND	0.82	ND	0.82	ND	0.72	ND	0.72	ND	0.72	ND	0.72
1,2-DICHLOROPROPANE	ND	2.2	ND	1.9	ND	1.9	ND	1.6	ND	1.6	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	3.4	ND	2.9	ND	2.9	ND	2.5	ND	2.5	ND	2.5	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	2.4	ND	2	ND	2	ND	1.7	ND	1.7	ND	1.7	ND	1.7
1,3-BUTADIENE	ND	2.7	ND	2.3	ND	2.3	ND	2	ND	2	ND	2	ND	2
1,3-DICHLOROBENZENE	ND	2.9	ND	2.5	ND	2.5	ND	2.1	ND	2.1	ND	2.1	ND	2.1
1,4-DICHLOROBENZENE	ND	2.9	ND	2.5	ND	2.5	ND	2.1	ND	2.1	ND	2.1	ND	2.1
1,4-DIOXANE	ND	8.7	ND	7.4	ND	7.4	ND	6.4	ND	6.4	ND	6.4	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	2.4	ND	2	ND	2	ND	1.8	ND	1.8	ND	1.8	ND	1.8
2-BUTANONE	ND	7.1	ND	6	ND	6	ND	5.2	ND	5.2	ND	5.2	ND	5.2
2-HEXANONE	ND	9.9	ND	8.4	ND	8.4	ND	7.3	ND	7.3	ND	7.3	ND	7.3
3-CHLOROPROPENE	ND	3.8	ND	3.2	ND	3.2	ND	2.8	ND	2.8	ND	2.8	ND	2.8
4-METHYL-2-PENTANONE	ND	9.9	ND	8.4	ND	8.4	ND	7.3	ND	7.3	ND	7.3	ND	7.3
ACETONE	13.5	5.7	49.5	4.8	49.5	4.8	13.7	4.2	13.7	4.2	23.4	4.2	23.4	4.2
BENZENE	2.4	1.5	109	1.3	109	1.3	1.8	1.1	1.8	1.1	2	1.1	2	1.1
BROMODICHLROMETHANE	ND	8.1	ND	6.8	ND	6.8	ND	6	ND	6	ND	6	ND	6
BROMOFORM	ND	5	ND	4.2	ND	4.2	ND	3.7	ND	3.7	ND	3.7	ND	3.7
BROMOMETHANE	ND	4.7	ND	4	ND	4	ND	3.5	ND	3.5	ND	3.5	ND	3.5
CARBON DISULFIDE	ND	1.5	2.3	1.3	2.3	1.3	ND	1.1	ND	1.1	ND	1.1	ND	1.1
CARBON TETRACHLORIDE	5.8	1.5	48.8	1.3	48.8	1.3	1.9	1.1	1.9	1.1	1.9	1.1	1.9	1.1
CHLOROBENZENE	ND	2.2	ND	1.9	ND	1.9	ND	1.6	ND	1.6	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	4.1	ND	3.5	ND	3.5	ND	3	ND	3	ND	3	ND	3
CHLORODIFLUOROMETHANE	3.1	1.7	175	1.4	175	1.4	27.3	1.3	27.3	1.3	103	1.3	103	1.3
CHLOROETHANE	ND	3.2	ND	2.7	ND	2.7	ND	2.3	ND	2.3	ND	2.3	ND	2.3
CHLOROFORM	126	2.3	1730	638			73	1.7	73	1.7	85.7	1.7	85.7	1.7
CHLOROMETHANE	ND	1	4.6	0.84	4.6	0.84	1.7	0.74	1.7	0.74	ND	0.74	ND	0.74
CIS-1,2-DICHLOROETHENE			193000	1040			1740	113			2430	227		
CIS-1,3-DICHLOROPROPENE	ND	5.5	ND	4.6	ND	4.6	ND	4	ND	4	ND	4	ND	4
CYCLOHEXANE	ND	1.7	14.9	1.4	14.9	1.4	ND	1.2	ND	1.2	2.9	1.2	2.9	1.2
DICHLORODIFLUOROMETHANE	ND	2.4	253	2	253	2	2.6	1.8	2.6	1.8	2.5	1.8	2.5	1.8
ETHYLBENZENE	ND	2.1	ND	1.8	ND	1.8	ND	1.5	ND	1.5	ND	1.5	ND	1.5
HEXACHLOROBUTADIENE	ND	25.7	ND	21.8	ND	21.8	ND	19	ND	19	ND	19	ND	19
HEXANE	2.1	1.7	47.7	1.4	47.7	1.4	1.9	1.3	1.9	1.3	3.1	1.3	3.1	1.3
ISOPROPANOL	ND	5.9	ND	5	ND	5	ND	4.4	ND	4.4	8.5	4.4	8.5	4.4
ISOPROPYLBENZENE	ND	5.9	ND	5	ND	5	ND	4.4	ND	4.4	ND	4.4	ND	4.4
M+P-XYLENES	ND	4.2	ND	3.6	ND	3.6	ND	3.1	ND	3.1	ND	3.1	ND	3.1
METHYL ACETATE	ND	3.6	ND	3.1	ND	3.1	ND	2.7	ND	2.7	ND	2.7	ND	2.7
METHYL CYCLOHEXANE	2.2	1.9	13.1	1.6	13.1	1.6	3.2	1.4	3.2	1.4	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	10.3	8.7	ND	7.4	ND	7.4	ND	6.4	ND	6.4	ND	6.4	ND	6.4
METHYLENE CHLORIDE	ND	8.4	ND	7.1	ND	7.1	ND	6.2	ND	6.2	9.8	6.2	9.8	6.2
O-XYLENE	ND	2.1	1.8	1.8	1.8	1.8	ND	1.5	ND	1.5	ND	1.5	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	7.6	ND	6.5	ND	6.5	ND	5.6	ND	5.6	ND	5.6	ND	5.6
STYRENE	ND	2.1	ND	1.7	ND	1.7	ND	1.5	ND	1.5	ND	1.5	ND	1.5
TETRACHLOROETHENE			126000	886			3990	96.5			5840	193		
TOLUENE	7.7	1.8	15	1.5	15	1.5	13.9	1.3	13.9	1.3	19.6	1.3	19.6	1.3
TRANS-1,2-DICHLOROETHENE	6.2	1.9	477	1.6	477	1.6	16.6	1.4	16.6	1.4	21.1	1.4	21.1	1.4
TRANS-1,3-DICHLOROPROPENE	ND	5.5	ND	4.6	ND	4.6	ND	4	ND	4	ND	4	ND	4
TRICHLOROETHENE			647000	708			33400	77			40000	154		
TRICHLOROFLUOROMETHANE	ND	2.7	312	2.3	312	2.3	4.7	2	4.7	2	ND	2	ND	2
VINYL CHLORIDE	ND	0.62	149	0.52	149	0.52	ND	0.46	ND	0.46	ND	0.46	ND	0.46

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-NYSDEC-5_10_20160209 10338324002 02/09/2016 Air ug/m3		VP-NYSDEC-10338324002 02/09/2016 Air ug/m3		VP-NYSDEC-5_20_20160219 10338324003 02/09/2016 Air ug/m3		VP-NYSDEC-10338324003 02/09/2016 Air ug/m3		VP-NYSDEC-5_30_20160209 10338324004 02/09/2016 Air ug/m3		VP-NYSDEC-10338324004 02/09/2016 Air ug/m3		VP-NYSDEC-5_40_20160209 10338324005 02/09/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	1.9	ND	1.9	ND	1.9	ND	1.9	ND	2	ND	2	2.1	2
1,1,2,2-TETRACHLOROETHANE	ND	1.2	ND	1.2	ND	1.2	ND	1.2	ND	1.3	ND	1.3	ND	1.3
1,1,2-TRICHLOROETHANE	ND	0.96	ND	0.96	ND	0.96	ND	0.96	ND	1	ND	1	28	1
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.8	ND	2.8	14.6	2.8	14.6	2.8	46600	937			27600	937
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.8	ND	5.8	ND	5.8
1,1-DICHLOROETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	4.2	1.5	4.2	1.5	11	1.5
1,1-DICHLOROETHENE	ND	3.5	ND	3.5	ND	3.5	ND	3.5	16.2	3.7	16.2	3.7	34	3.7
1,1-DIFLUOROETHANE	444	2.4	444	2.4	ND	2.4	ND	2.4	ND	2.5	ND	2.5	6.1	2.5
1,2,4-TRICHLOROBENZENE	ND	13.2	ND	13.2	ND	13.2	ND	13.2	ND	13.8	ND	13.8	ND	13.8
1,2,4-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.8	ND	1.8	ND	1.8
1,2-DIBROMO-3-CHLOROPROPANE	ND	8.6	ND	8.6	ND	8.6	ND	8.6	ND	9	ND	9	ND	9
1,2-DIBROMOETHANE	ND	2.7	ND	2.7	ND	2.7	ND	2.7	ND	2.9	ND	2.9	ND	2.9
1,2-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND	2.2	ND	2.2	ND	2.2
1,2-DICHLOROETHANE	ND	0.72	ND	0.72	ND	0.72	ND	0.72	ND	0.75	ND	0.75	ND	0.75
1,2-DICHLOROPROPANE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.7
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.5	ND	2.5	ND	2.5	ND	2.5	ND	2.6	ND	2.6	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	1.7	ND	1.7	ND	1.7	ND	1.7	ND	1.8	ND	1.8	ND	1.8
1,3-BUTADIENE	ND	2	ND	2	ND	2	ND	2	ND	2.1	ND	2.1	ND	2.1
1,3-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND	2.2	ND	2.2	ND	2.2
1,4-DICHLOROBENZENE	ND	2.1	ND	2.1	ND	2.1	ND	2.1	ND	2.2	ND	2.2	ND	2.2
1,4-DIOXANE	ND	6.4	ND	6.4	ND	6.4	ND	6.4	ND	6.7	ND	6.7	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.8
2-BUTANONE	6.4	5.2	6.4	5.2	6.6	5.2	6.6	5.2	11.9	5.5	11.9	5.5	ND	5.5
2-HEXANONE	ND	7.3	ND	7.3	ND	7.3	ND	7.3	ND	7.6	ND	7.6	ND	7.6
3-CHLOROPROPENE	ND	2.8	ND	2.8	ND	2.8	ND	2.8	ND	2.9	ND	2.9	ND	2.9
4-METHYL-2-PENTANONE	ND	7.3	ND	7.3	ND	7.3	ND	7.3	ND	7.6	ND	7.6	ND	7.6
ACETONE	25.6	4.2	25.6	4.2	35.6	4.2	35.6	4.2	40.3	4.4	40.3	4.4	5.5	4.4
BENZENE	ND	1.1	ND	1.1	ND	1.1	ND	1.1	7	1.2	7	1.2	4.3	1.2
BROMODICHLOROMETHANE	ND	6	ND	6	ND	6	ND	6	ND	6.2	ND	6.2	ND	6.2
BROMOFORM	ND	3.7	ND	3.7	ND	3.7	ND	3.7	ND	3.8	ND	3.8	ND	3.8
BROMOMETHANE	ND	3.5	ND	3.5	ND	3.5	ND	3.5	ND	3.6	ND	3.6	ND	3.6
CARBON DISULFIDE	1.4	1.1	1.4	1.1	ND	1.1	ND	1.1	1.7	1.2	1.7	1.2	1.2	1.2
CARBON TETRACHLORIDE	ND	1.1	ND	1.1	1.3	1.1	1.3	1.1	9.2	1.2	9.2	1.2	4.9	1.2
CHLOROBENZENE	ND	1.6	ND	1.6	ND	1.6	ND	1.6	ND	1.7	ND	1.7	ND	1.7
CHLORODIBROMOMETHANE	ND	3	ND	3	ND	3	ND	3	ND	3.2	ND	3.2	ND	3.2
CHLORODIFLUOROMETHANE	407	1.3	407	1.3	668	62.9			127	1.3	127	1.3	200	1.3
CHLOROETHANE	ND	2.3	ND	2.3	ND	2.3	ND	2.3	ND	2.5	ND	2.5	ND	2.5
CHLOROFORM	ND	1.7	ND	1.7	5.3	1.7	5.3	1.7	198	1.8	198	1.8	197	1.8
CHLOROMETHANE	1.3	0.74	1.3	0.74	ND	0.74	ND	0.74	1.7	0.77	1.7	0.77	ND	0.77
CIS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	7.6	1.4	7.6	1.4	2610	474			13000	474
CIS-1,3-DICHLOROPROPENE	ND	4	ND	4	ND	4	ND	4	ND	4.2	ND	4.2	ND	4.2
CYCLOHEXANE	2	1.2	2	1.2	ND	1.2	ND	1.2	12.4	1.3	12.4	1.3	3.3	1.3
DICHLORODIFLUOROMETHANE	2.5	1.8	2.5	1.8	8.5	1.8	8.5	1.8	55.3	1.8	55.3	1.8	85.4	1.8
ETHYLBENZENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	1.6	1.6	1.6	1.6	ND	1.6
HEXACHLOROBUTADIENE	ND	19	ND	19	ND	19	ND	19	ND	19.9	ND	19.9	ND	19.9
HEXANE	ND	1.3	ND	1.3	2.3	1.3	2.3	1.3	4.5	1.3	4.5	1.3	3.8	1.3
ISOPROPANOL	ND	4.4	ND	4.4	ND	4.4	ND	4.4	10.2	4.6	10.2	4.6	ND	4.6
ISOPROPYLBENZENE	ND	4.4	ND	4.4	ND	4.4	ND	4.4	ND	4.6	ND	4.6	ND	4.6
M+P-XYLENES	ND	3.1	ND	3.1	ND	3.1	ND	3.1	4.7	3.2	4.7	3.2	ND	3.2
METHYL ACETATE	ND	2.7	ND	2.7	ND	2.7	ND	2.7	ND	2.8	ND	2.8	ND	2.8
METHYL CYCLOHEXANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	7.9	1.5	7.9	1.5	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.4	ND	6.4	ND	6.4	ND	6.4	ND	6.7	ND	6.7	ND	6.7
METHYLENE CHLORIDE	ND	6.2	ND	6.2	ND	6.2	ND	6.2	ND	6.5	ND	6.5	ND	6.5
O-XYLENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6
PENTAFLUOROETHYL CHLORIDE	ND	5.6	ND	5.6	ND	5.6	ND	5.6	ND	5.9	ND	5.9	ND	5.9
STYRENE	ND	1.5	ND	1.5	ND	1.5	ND	1.5	ND	1.6	ND	1.6	ND	1.6
TETRACHLOROETHENE	2.1	1.2	2.1	1.2	72.5	1.2	72.5	1.2	12100	403			35000	403
TOLUENE	1.4	1.3	1.4	1.3	3.9	1.3	3.9	1.3	33.4	1.4	33.4	1.4	3.6	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	71.8	1.5	71.8	1.5	179	1.5
TRANS-1,3-DICHLOROPROPENE	ND	4	ND	4	ND	4	ND	4	ND	4.2	ND	4.2	ND	4.2
TRICHLOROETHENE	12.9	0.96	12.9	0.96	808	19.2			189000	322			328000	322
TRICHLOROFLUOROMETHANE	ND	2	ND	2	ND	2	ND	2	68.5	2.1	68.5	2.1	42.3	2.1
VINYL CHLORIDE	ND	0.46	ND	0.46	ND	0.46	ND	0.46	ND	0.48	ND	0.48	ND	0.48

MRL: Method Reporting Limit

ND: The compound was analyzed for but not
detected above the reporting limit

ug/m3: microgram per cubic meter

Table 4-1: Nested Well Soil Vapor Analytical Results
Former Unisys Facility, Lake Success, NY

Client ID Lab Sample ID Sampling Date Matrix Unit Duplicate Of	VP-NYSDEC-10338324005 02/09/2016 Air ug/m3		VP-NYSDEC-5_5_20160209 10338324001 02/09/2016 Air ug/m3		VP-NYSDEC-5_5_20160209RE 10338324001 02/09/2016 Air ug/m3		VP-NYSDEC-5_50_20160209 10338324006 02/09/2016 Air ug/m3		VP-NYSDEC-5_50_20160209RE 10338324006 02/09/2016 Air ug/m3	
OV (UG/M3)	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	2.1	2	ND	1.9	ND	1.9	2	1.9	2	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.2	ND	1.2	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	28	1	ND	0.96	ND	0.96	143	0.96	143	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE			ND	2.8	ND	2.8	285	2.8	285	2.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.6	ND	5.6	ND	5.6	ND	5.6
1,1-DICHLOROETHANE	11	1.5	ND	1.4	ND	1.4	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	34	3.7	ND	3.5	ND	3.5	34.4	3.5	34.4	3.5
1,1-DIFLUOROETHANE	6.1	2.5	21.4	2.4	21.4	2.4	ND	2.4	ND	2.4
1,2,4-TRICHLOROBENZENE	ND	13.8	ND	13.2	ND	13.2	ND	13.2	ND	13.2
1,2,4-TRIMETHYLBENZENE	ND	1.8	1.9	1.7	1.9	1.7	ND	1.7	ND	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	8.6	ND	8.6	ND	8.6	ND	8.6
1,2-DIBROMOETHANE	ND	2.9	ND	2.7	ND	2.7	ND	2.7	ND	2.7
1,2-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	6.1	2.1	6.1	2.1
1,2-DICHLOROETHANE	ND	0.75	ND	0.72	ND	0.72	ND	0.72	ND	0.72
1,2-DICHLOROPROPANE	ND	1.7	ND	1.6	ND	1.6	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUROETHANE	ND	2.6	ND	2.5	ND	2.5	ND	2.5	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	1.8	ND	1.7	ND	1.7	ND	1.7	ND	1.7
1,3-BUTADIENE	ND	2.1	ND	2	ND	2	ND	2	ND	2
1,3-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	ND	2.1	ND	2.1
1,4-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	2.5	2.1	2.5	2.1
1,4-DIOXANE	ND	6.7	ND	6.4	ND	6.4	ND	6.4	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.8	ND	1.8	ND	1.8	ND	1.8
2-BUTANONE	ND	5.5	6.9	5.2	6.9	5.2	ND	5.2	ND	5.2
2-HEXANONE	ND	7.6	ND	7.3	ND	7.3	ND	7.3	ND	7.3
3-CHLOROPROPENE	ND	2.9	ND	2.8	ND	2.8	ND	2.8	ND	2.8
4-METHYL-2-PENTANONE	ND	7.6	ND	7.3	ND	7.3	ND	7.3	ND	7.3
ACETONE	5.5	4.4	32.2	4.2	32.2	4.2	23.5	4.2	23.5	4.2
BENZENE	4.3	1.2	1.3	1.1	1.3	1.1	1.7	1.1	1.7	1.1
BROMODICHLROMETHANE	ND	6.2	ND	6	ND	6	ND	6	ND	6
BROMOFORM	ND	3.8	ND	3.7	ND	3.7	ND	3.7	ND	3.7
BROMOMETHANE	ND	3.6	ND	3.5	ND	3.5	ND	3.5	ND	3.5
CARBON DISULFIDE	1.2	1.2	ND	1.1	ND	1.1	1.1	1.1	1.1	1.1
CARBON TETRACHLORIDE	4.9	1.2	ND	1.1	ND	1.1	4.3	1.1	4.3	1.1
CHLOROBENZENE	ND	1.7	ND	1.6	ND	1.6	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	3.2	ND	3	ND	3	ND	3	ND	3
CHLORODIFLUROMETHANE	200	1.3	20.1	1.3	20.1	1.3	131	1.3	131	1.3
CHLOROETHANE	ND	2.5	ND	2.3	ND	2.3	ND	2.3	ND	2.3
CHLOROFORM	197	1.8	ND	1.7	ND	1.7	174	1.7	174	1.7
CHLOROMETHANE	ND	0.77	1.1	0.74	1.1	0.74	1.1	0.74	1.1	0.74
CIS-1,2-DICHLOROETHENE			ND	1.4	ND	1.4	1540	454		
CIS-1,3-DICHLOROPROPENE	ND	4.2	ND	4	ND	4	ND	4	ND	4
CYCLOHEXANE	3.3	1.3	17	1.2	17	1.2	2.6	1.2	2.6	1.2
DICHLORODIFLUOROMETHANE	85.4	1.8	2.4	1.8	2.4	1.8	2.7	1.8	2.7	1.8
ETHYLBENZENE	ND	1.6	ND	1.5	ND	1.5	ND	1.5	ND	1.5
HEXACHLOROBUTADIENE	ND	19.9	ND	19	ND	19	ND	19	ND	19
HEXANE	3.8	1.3	1.9	1.3	1.9	1.3	2.7	1.3	2.7	1.3
ISOPROPANOL	ND	4.6	6.8	4.4	6.8	4.4	ND	4.4	ND	4.4
ISOPROPYLBENZENE	ND	4.6	ND	4.4	ND	4.4	ND	4.4	ND	4.4
M+P-XYLENES	ND	3.2	ND	3.1	ND	3.1	ND	3.1	ND	3.1
METHYL ACETATE	ND	2.8	ND	2.7	ND	2.7	ND	2.7	ND	2.7
METHYL CYCLOHEXANE	ND	1.5	16.4	1.4	16.4	1.4	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.4	ND	6.4	ND	6.4	ND	6.4
METHYLENE CHLORIDE	ND	6.5	ND	6.2	ND	6.2	ND	6.2	ND	6.2
O-XYLENE	ND	1.6	ND	1.5	ND	1.5	ND	1.5	ND	1.5
PENTAFLUROETHYL CHLORIDE	ND	5.9	ND	5.6	ND	5.6	ND	5.6	ND	5.6
STYRENE	ND	1.6	ND	1.5	ND	1.5	ND	1.5	ND	1.5
TETRACHLOROETHENE			2.5	1.2	2.5	1.2	3850	386		
TOLUENE	3.6	1.4	84.6	1.3	84.6	1.3	6.8	1.3	6.8	1.3
TRANS-1,2-DICHLOROETHENE	179	1.5	ND	1.4	ND	1.4	33.8	1.4	33.8	1.4
TRANS-1,3-DICHLOROPROPENE	ND	4.2	ND	4	ND	4	ND	4	ND	4
TRICHLOROETHENE			39.4	0.96	39.4	0.96	344000	308		
TRICHLOROFLUROMETHANE	42.3	2.1	ND	2	ND	2	18.4	2	18.4	2
VINYL CHLORIDE	ND	0.48	ND	0.46	ND	0.46	1.3	0.46	1.3	0.46

MRL: Method Reporting Limit
ND: The compound was analyzed for but not
detected above the reporting limit
ug/m3: microgram per cubic meter

Table 5-1
Indoor Air and Sub-Slab Sampling Results
Former Unisys Facility, Lake Success, New York

Client ID	AA_20160308		IA-13_20160308		SS-12_20160308		IA-C1_20160308		SS-C1*_20160308		SS-C1_20160308DUP		IA-C20_20160308		IA-C20_20160308DUP	
Lab Sample ID	10341033029		10341033024		10341033012		10341033013		10341033001		10341033025		10341033014		10341033028	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 µg/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	2.1	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.3	ND	1.3	ND	1.3	ND	1.2
1,1,2-TRICHLOROETHANE	ND	1	ND	1.1	ND	1	ND	0.92	ND	1	ND	1	ND	1	ND	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.9	ND	3.1	ND	2.9	ND	2.7	ND	2.9	ND	2.9	ND	2.9	ND	2.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	6.1	ND	5.8	ND	5.3	ND	5.8	ND	5.8	ND	5.8	ND	5.6
1,1-DICHLOROETHANE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4
1,1-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4
1,1-DIFLUOROETHANE	ND	2.5	13.6	2.6	3.4	2.5	20.9	2.3	ND	2.5	ND	2.5	10.4	2.5	19.2	2.4
1,2,4-TRICHLOROBENZENE	ND	276	ND	7.2	ND	6.9	ND	6.3	ND	6.9	ND	6.9	ND	6.9	ND	264
1,2,4-TRIMETHYLBENZENE	ND	4.6	ND	4.8	11.8	1.8	ND	1.7	ND	1.8	ND	4.6	ND	1.8	ND	4.4
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	9.4	ND	9	ND	8.2	ND	9	ND	9	ND	9	ND	8.6
1,2-DIBROMOETHANE	ND	2.9	ND	3	ND	2.9	ND	2.6	ND	2.9	ND	2.9	ND	2.9	ND	2.7
1,2-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2	ND	2.2	ND	2.1
1,2-DICHLOROETHANE	ND	0.75	ND	0.79	ND	0.75	ND	0.69	ND	0.75	ND	0.75	ND	0.75	ND	0.72
1,2-DICHLOROPROPANE	ND	1.7	ND	1.8	ND	1.7	ND	1.6	ND	1.7	ND	1.7	ND	1.7	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.7	ND	2.6	ND	2.4	ND	2.6	ND	2.6	ND	2.6	ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	4.6	ND	4.8	2.6	1.8	ND	1.7	ND	1.8	ND	4.6	ND	1.8	ND	4.4
1,3-BUTADIENE	ND	0.82	ND	0.86	ND	0.82	ND	0.76	ND	0.82	ND	0.82	ND	0.82	ND	0.79
1,3-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2	ND	2.2	ND	2.1
1,4-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2	ND	2.2	ND	2.1
1,4-DIOXANE	ND	6.7	ND	7	ND	6.7	ND	6.1	ND	6.7	ND	6.7	ND	6.7	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	4.6	ND	4.8	2.4	1.8	ND	1.7	ND	1.8	ND	4.6	ND	1.8	ND	4.4
2-BUTANONE	ND	5.5	ND	5.8	244	5.5	ND	5	ND	5.5	ND	5.5	ND	5.5	ND	5.2
2-HEXANONE	ND	7.6	ND	8	9.2	7.6	ND	7	ND	7.6	ND	7.6	ND	7.6	ND	7.3
3-CHLOROPROPENE	ND	2.9	ND	3.1	ND	2.9	ND	2.7	ND	2.9	ND	2.9	ND	2.9	ND	2.8
4-METHYL-2-PENTANONE	ND	7.6	ND	8	139	7.6	ND	7	ND	7.6	ND	7.6	ND	7.6	ND	7.3
ACETONE	11.5	4.4	32.4	4.6	686	4.4	31.9	4.1	6.4	4.4	9.9	4.4	27.8	4.4	127	4.2
BENZENE	0.72	0.59	0.78	0.62	ND	0.59	1.1	0.55	ND	0.59	ND	0.59	1.2	0.59	1.3	0.57
BROMODICHLOROMETHANE	ND	2.5	ND	2.6	ND	2.5	ND	2.3	ND	2.5	ND	2.5	ND	2.5	ND	2.4
BROMOFORM	ND	9.6	ND	10.1	ND	9.6	ND	8.8	ND	9.6	ND	9.6	ND	9.6	ND	9.2
BROMOMETHANE	ND	1.4	ND	1.5	ND	1.4	ND	1.3	ND	1.4	ND	1.4	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1
CARBON TETRACHLORIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1
CHLOROBENZENE	ND	1.7	ND	1.8	ND	1.7	ND	1.6	ND	1.7	ND	1.7	ND	1.7	ND	1.6
CHLORODIBROMOMETHANE	ND	3.2	ND	3.3	ND	3.2	ND	2.9	ND	3.2	ND	3.2	ND	3.2	ND	3
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.4	ND	1.3	ND	1.2	4	1.3	ND	1.3	ND	1.3	ND	1.3
CHLOROETHANE	ND	0.99	ND	1	ND	0.99	ND	0.91	ND	0.99	ND	0.99	ND	0.99	ND	0.94
CHLOROFORM	ND	0.91	34.7	0.95	36.4	0.91	31.2	0.83	ND	0.91	ND	0.91	23.6	0.91	12.4	0.87
CHLOROMETHANE	ND	0.77	1.3	0.81	ND	0.77	ND	0.71	ND	0.77	ND	0.77	1.3	0.77	1.5	0.74
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.8	ND	1.7	ND	1.5	ND	1.7	ND	1.7	ND	1.7	ND	1.6
CYCLOHEXANE	ND	1.3	ND	1.3	1.9	1.3	ND	1.2	ND	1.3	ND	1.3	ND	1.3	1.3	1.2
DICHLORODIFLUOROMETHANE	2.4	1.8	2.4	1.9	2.4	1.8	3.2	1.7	2.2	1.8	2.3	1.8	ND	1.8	3.1	1.8
ETHYLBENZENE	ND	1.6	ND	1.7	ND	1.6	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5
HEXACHLOROBUTADIENE	ND	9.9	ND	10.4	ND	4	ND	3.7	ND	4	ND	9.9	ND	4	ND	9.5
HEXANE	ND	1.3	2.1	1.4	26.4	1.3	1.7	1.2	ND	1.3	ND	1.3	2	1.3	11.9	1.3
ISOPROPANOL	ND	4.6	98.2	4.8	72.2	4.6	98.7	4.2	4.8	4.6	ND	4.6	117	4.6	50.1	4.4
ISOPROPYLBENZENE	ND	4.6	ND	4.8	ND	4.6	ND	4.2	ND	4.6	ND	4.6	ND	4.6	ND	4.4
M+P-XYLENES	ND	3.2	ND	3.4	5.4	3.2	5.7	3	ND	3.2	ND	3.2	ND	3.2	4.2	3.1
METHYL ACETATE	ND	2.8	ND	3	ND	2.8	ND	2.6	ND	2.8	ND	2.8	ND	2.8	ND	2.7
METHYL CYCLOHEXANE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4
METHYL TERT-BUTYL ETHER	ND	6.7	ND	7	ND	6.7	ND	6.2	ND	6.7	ND	6.7	ND	6.7	ND	6.4
METHYLENE CHLORIDE	15	6.5	ND	6.8	ND	6.5	ND	5.9	6.6	6.5	ND	6.5	ND	6.5	626	8.3
O-XYLENE	ND	1.6	ND	1.7	2.2	1.6	2.2	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.9	29.8	6.2	ND	5.9	46.7	5.4	ND	5.9	ND	5.9	ND	5.9	10.6	5.6
STYRENE	ND	1.6	ND	1.7	ND	1.6	ND	1.5	ND	1.6	ND	1.6	ND	1.6	ND	1.5
TETRACHLOROETHENE	ND	1.3	ND	1.3	8.6	1.3	ND	1.2	11.4	1.3	12	1.3	4.2	1.3	ND	1.2
TOLUENE	1.7	1.4	1.7	1.5	1.5	1.4	2.6	1.3	ND	1.4	ND	1.4	2.8	1.4	8.3	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5	ND	1.5	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.8	ND	1.7	ND	1.5	ND	1.7	ND	1.7	ND	1.7	ND	1.6
TRICHLOROETHENE	ND	1	ND	1.1	4.6	1	ND	0.92	111	1	107	1	1.3	1	ND	0.96
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2.2	ND	2.1	ND	1.9	ND	2.1	ND	2.1	ND	2.1	ND	2
VINYL CHLORIDE	ND	0.48	ND	0.5	ND	0.48	ND	0.44	ND	0.48	ND	0.48	ND	0.48	ND	0.46

ND- Not Detected
MRL - Method Reporting Limit
"IA" denotes Indoor Air Samples
"SS" denotes Sub-Slab Samples
ug/m3: microgram per cubic meter

Table 5-1
Indoor Air and Sub-Slab Sampling Results
Former Unisys Facility, Lake Success, New York

Client ID	SS-C20*_20160308		IA-D7_20160308		SS-D7*_20160308		IA-E10_20160308		SS-E10*_20160308		SS-E10_20160308DUP		IA-E16_20160308		SS-E16*_20160308		IA-G5_20160308	
Lab Sample ID	10341033002		10341033015		10341033003		10341033016		10341033004		10341033026		10341033017		10341033005		10341033018	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 µg/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	1.9	4.6	2	ND	2.5	ND	2	ND	2	ND	1.9	ND	1.9	ND	2
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.2	ND	1.3	ND	1.6	ND	1.3	ND	1.3	ND	1.2	ND	1.2	ND	1.3
1,1,2-TRICHLOROETHANE	ND	1	ND	0.96	ND	1	ND	1.2	ND	1	ND	1	ND	0.96	ND	0.96	ND	1
1,1,2-TRICHLOROTRIFLUOROETHANE	158	2.9	ND	2.8	8.9	2.9	ND	3.6	ND	2.9	ND	2.9	ND	2.8	ND	2.8	ND	2.9
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.6	ND	5.8	ND	5.3	ND	5.8	ND	5.8	ND	5.6	ND	5.6	ND	5.8
1,1-DICHLOROETHANE	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5	ND	1.5	ND	1.4	ND	1.4	ND	1.5
1,1-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5	ND	1.5	ND	1.4	ND	1.4	ND	1.5
1,1-DIFLUOROETHANE	ND	2.5	24.5	2.4	5.9	2.5	21.8	2.3	13.6	2.5	8.2	2.5	10.2	2.4	9.5	2.4	19.8	2.5
1,2,4-TRICHLOROBENZENE	ND	6.9	ND	13.2	ND	6.9	ND	17	ND	6.9	ND	6.9	ND	6.6	ND	6.6	ND	6.9
1,2,4-TRIMETHYLBENZENE	ND	1.8	ND	1.7	ND	1.8	ND	2.2	ND	1.8	ND	4.6	ND	1.7	6.2	1.7	ND	1.8
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	8.6	ND	9	ND	8.2	ND	9	ND	9	ND	8.6	ND	8.6	ND	9
1,2-DIBROMOETHANE	ND	2.9	ND	2.7	ND	2.9	ND	3.5	ND	2.9	ND	2.9	ND	2.7	ND	2.7	ND	2.9
1,2-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2	ND	2.2	ND	2.1	ND	2.1	ND	2.2
1,2-DICHLOROETHANE	ND	0.75	ND	0.72	ND	0.75	ND	0.92	ND	0.75	ND	0.75	ND	0.72	ND	0.72	ND	0.75
1,2-DICHLOROPROPANE	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7	ND	1.7	ND	1.6	ND	1.6	ND	1.7
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.5	ND	2.6	ND	3.2	ND	2.6	ND	2.6	ND	2.5	ND	2.5	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	1.8	ND	1.7	ND	1.8	ND	2.2	ND	1.8	ND	4.6	ND	1.7	ND	1.7	ND	1.8
1,3-BUTADIENE	ND	0.82	ND	0.79	ND	0.82	ND	1	ND	0.82	ND	0.82	ND	0.79	ND	0.79	ND	0.82
1,3-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2	ND	2.2	ND	2.1	ND	2.1	ND	2.2
1,4-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2	ND	2.2	ND	2.1	ND	2.1	ND	2.2
1,4-DIOXANE	ND	6.7	ND	6.4	ND	6.7	ND	8.2	ND	6.7	ND	6.7	ND	6.4	ND	6.4	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	1.8	ND	1.8	ND	2.2	ND	1.8	ND	4.6	ND	1.8	2	1.8	ND	1.8
2-BUTANONE	ND	5.5	ND	5.2	ND	5.5	ND	6.8	ND	5.5	ND	5.5	ND	5.2	ND	5.2	11	5.5
2-HEXANONE	ND	7.6	ND	7.3	ND	7.6	ND	9.4	ND	7.6	ND	7.6	ND	7.3	ND	7.3	ND	7.6
3-CHLOROPROPENE	ND	2.9	ND	2.8	ND	2.9	ND	3.6	ND	2.9	ND	2.9	ND	2.8	ND	2.8	ND	2.9
4-METHYL-2-PENTANONE	ND	7.6	ND	7.3	ND	7.6	14	9.4	ND	7.6	ND	7.6	7.9	7.3	ND	7.3	ND	7.6
ACETONE	10.2	4.4	46.4	4.2	4.7	4.4	52	5.4	20.8	4.4	14.5	4.4	37.7	4.2	89.5	4.2	39.3	4.4
BENZENE	ND	0.59	ND	1.1	ND	0.59	ND	1.5	0.6	0.59	ND	0.59	1.1	0.57	1.1	0.57	1.1	0.59
BROMODICHLOROMETHANE	ND	2.5	ND	2.4	ND	2.5	ND	3.1	ND	2.5	ND	2.5	ND	2.4	ND	2.4	ND	2.5
BROMOFORM	ND	9.6	ND	3.7	ND	9.6	ND	4.7	ND	9.6	ND	9.6	ND	9.2	ND	9.2	ND	9.6
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.8	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.1	ND	1.2	ND	1.4	ND	1.2	ND	1.2	ND	1.1	3.1	1.1	ND	1.2
CARBON TETRACHLORIDE	ND	1.2	ND	1.1	ND	1.2	ND	1.4	ND	1.2	ND	1.2	ND	1.1	ND	1.1	ND	1.2
CHLOROBENZENE	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7	ND	1.7	ND	1.6	ND	1.6	ND	1.7
CHLORODIBROMOMETHANE	ND	3.2	ND	3	ND	3.2	ND	3.9	ND	3.2	ND	3.2	ND	3	ND	3	ND	3.2
CHLORODIFLUOROMETHANE	2.3	1.3	ND	1.3	ND	1.3	43.1	1.6	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.3
CHLOROETHANE	ND	0.99	ND	0.94	ND	0.99	ND	1.2	ND	0.99	ND	0.99	ND	0.94	ND	0.94	ND	0.99
CHLOROFORM	1	0.91	32.6	1.7	13.4	0.91	30.9	2.2	22.2	0.91	15.8	0.91	24.4	0.87	20.1	0.87	32.5	0.91
CHLOROMETHANE	ND	0.77	1.7	0.74	ND	0.77	1.9	0.94	ND	0.77	ND	0.77	1.4	0.74	ND	0.74	ND	0.77
CIS-1,2-DICHLOROETHENE	ND	1.5	2.4	1.4	ND	1.5	ND	1.8	ND	1.5	ND	1.5	ND	1.4	ND	1.4	ND	1.5
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7	ND	1.7	ND	1.6	ND	1.6	ND	1.7
CYCLOHEXANE	ND	1.3	ND	1.2	ND	1.3	ND	1.6	ND	1.3	ND	1.3	ND	1.2	2.5	1.2	ND	1.3
DICHLORODIFLUOROMETHANE	ND	1.8	2.2	1.8	2.5	1.8	2.6	2.3	2.2	1.8	2.2	1.8	2.6	1.8	ND	1.8	ND	1.8
ETHYLBENZENE	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6	ND	1.6	ND	1.5	ND	1.5	ND	1.6
HEXACHLOROBUTADIENE	ND	4	ND	19	ND	4	ND	24.4	ND	4	ND	9.9	ND	3.8	ND	3.8	ND	4
HEXANE	ND	1.3	ND	1.3	ND	1.3	3	1.6	ND	1.3	ND	1.3	1.9	1.3	ND	1.3	ND	1.3
ISOPROPANOL	ND	4.6	121	4.4	5.2	4.6	141	5.6	40.2	4.6	8.4	4.6	118	4.4	25.9	4.4	121	4.6
ISOPROPYLBENZENE	ND	4.6	ND	4.4	ND	4.6	ND	5.6	ND	4.6	ND	4.6	ND	4.4	ND	4.4	ND	4.6
M+P-XYLENES	ND	3.2	ND	3.1	ND	3.2	ND	4	ND	3.2	ND	3.2	ND	3.1	5	3.1	ND	3.2
METHYL ACETATE	ND	2.8	ND	2.7	ND	2.8	ND	2.6	ND	2.8	ND	2.8	ND	2.7	ND	2.7	ND	2.8
METHYL CYCLOHEXANE	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5	ND	1.5	ND	1.4	ND	1.4	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.4	ND	6.7	ND	8.2	ND	6.7	ND	6.7	ND	6.4	ND	6.4	ND	6.7
METHYLENE CHLORIDE	ND	6.5	ND	6.2	ND	6.5	16.3	7.9	ND	6.5	ND	6.5	ND	6.2	ND	6.2	ND	6.5
O-XYLENE	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6	ND	1.6	ND	1.5	3.1	1.5	ND	1.6
PENTAFLUROETHYL CHLORIDE	ND	5.9	54.6	5.6	ND	5.9	46.3	5.4	ND	5.9	17.3	5.9	ND	5.6	ND	5.6	ND	5.9
STYRENE	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6	ND	1.6	ND	1.5	2.5	1.5	ND	1.6
TETRACHLOROETHENE	786	1.3	ND	1.2	19.9	1.3	ND	1.6	14.8	1.3	22.7	1.3	ND	1.2	306	1.2	ND	1.3
TOLUENE	ND	1.4	4.1	1.3	ND	1.4	12.7	1.7	1.6	1.4	ND	1.4	7.9	1.3	2.5	1.3	3.5	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5	ND	1.5	ND	1.4	ND	1.4	ND	1.5
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7	ND	1.7	ND	1.6	ND	1.6	ND	1.7
TRICHLOROETHENE	3.4	1	ND	0.96	91.1	1	ND	1.2	26	1	38	1	ND	0.96	0.96	0.96	ND	1
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2	3	2.1	ND	2.6	ND	2.1	ND	2.1	ND	2	ND	2	ND	2.1
VINYL CHLORIDE	ND	0.48	ND	0.46	ND	0.48	ND	0.58	ND	0.48	ND	0.48	ND	0.46	ND	0.46	ND	0.48

ND- Not Detected
MRL - Method Reporting Limit
"IA" denotes Indoor Air Samples
"SS" denotes Sub-Slab Samples
ug/m3: microgram per cubic meter

Table 5-1
Indoor Air and Sub-Slab Sampling Results
Former Unisys Facility, Lake Success, New York

Client ID	SS-G5*_20160308		IA-H21_20160308		SS-H21*_20160308		IA-Prop1_20160308		IA-Prop1_20160308DUP		SS-Prop1_20160308		IA-Prop1_20160308DUP Can		IA-Prop2_20160308	
Lab Sample ID	10341033006		10341033019		10341033007		10341033020		10341033027		10341033008		10341033044		10341033021	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 ug/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2.1	ND	1.9	ND	1.7	ND	2	ND	2	ND	2.2	ND	1.1	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.2	ND	1	ND	1.3	ND	1.3	ND	1.4	ND	0.7	ND	1.2
1,1,2-TRICHLOROETHANE	ND	1.1	ND	0.96	ND	0.82	ND	1	ND	1	ND	1.1	ND	0.55	ND	0.96
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	3.1	ND	2.8	29.4	2.4	ND	2.9	ND	2.9	6.1	3.2	ND	1.6	ND	2.8
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	6.1	ND	5.6	ND	4.7	ND	5.8	ND	5.8	ND	6.4			ND	5.6
1,1-DICHLOROETHANE	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5	ND	1.6	ND	0.82	ND	1.4
1,1-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5	ND	1.6	ND	0.81	ND	1.4
1,1-DIFLUOROETHANE	19.6	2.6	10.1	2.4	ND	2	12.6	2.5	10.8	2.5	7.1	2.8			9.9	2.4
1,2,4-TRICHLOROBENZENE	ND	7.2	ND	6.6	ND	5.6	ND	6.9	ND	6.9	ND	7.6	ND	3.8	ND	6.6
1,2,4-TRIMETHYLBENZENE	ND	1.9	ND	1.7	ND	1.5	ND	4.6	ND	4.6	ND	2	ND	1	ND	4.4
1,2-DIBROMO-3-CHLOROPROPANE	ND	9.4	ND	8.6	ND	7.3	ND	9	ND	9	ND	9.9			ND	8.6
1,2-DIBROMOETHANE	ND	3	ND	2.7	ND	2.3	ND	2.9	ND	2.9	ND	3.1	ND	1.6	ND	2.7
1,2-DICHLOROBENZENE	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2	ND	2.5	ND	1.2	ND	2.1
1,2-DICHLOROETHANE	ND	0.79	ND	0.72	ND	0.61	ND	0.75	ND	0.75	ND	0.82	ND	0.41	ND	0.72
1,2-DICHLOROPROPANE	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7	ND	1.9	ND	0.94	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.7	ND	2.5	ND	2.1	ND	2.6	ND	2.6	ND	2.9			ND	2.5
1,3,5-TRIMETHYLBENZENE	ND	1.9	ND	1.7	ND	1.5	ND	4.6	ND	4.6	ND	2	ND	2.5	ND	4.4
1,3-BUTADIENE	ND	0.86	ND	0.79	ND	0.67	ND	0.82	ND	0.82	ND	0.9	ND	0.45	ND	0.79
1,3-DICHLOROBENZENE	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2	ND	2.5	ND	1.2	ND	2.1
1,4-DICHLOROBENZENE	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2	ND	2.5	ND	1.2	ND	2.1
1,4-DIOXANE	ND	7	ND	6.4	ND	5.5	ND	6.7	ND	6.7	ND	7.4	ND	3.7	ND	6.4
1-ETHYL-4-METHYL BENZENE	ND	1.9	ND	1.8	ND	1.5	ND	4.6	ND	4.6	ND	2	ND	1	ND	4.4
2-BUTANONE	ND	5.8	ND	5.2	5.8	4.5	ND	5.5	ND	5.5	ND	6	ND	3	ND	5.2
2-HEXANONE	ND	8	ND	7.3	ND	6.2	ND	7.6	ND	7.6	ND	8.4	ND	4.2	ND	7.3
3-CHLOROPROPENE	ND	3.1	ND	2.8	ND	2.4	ND	2.9	ND	2.9	ND	3.2	ND	1.6	ND	2.8
4-METHYL-2-PENTANONE	ND	8	ND	7.3	ND	6.2	ND	7.6	ND	7.6	ND	8.4	ND	4.2	ND	7.3
ACETONE	38.8	4.6	35.1	4.2	14.5	3.6	36.5	4.4	31.5	4.4	266	4.9	ND	2.4	32.8	4.2
BENZENE	1.1	0.62	1.1	0.57	0.5	0.48	1	0.59	0.91	0.59	1.1	0.65	ND	0.32	0.99	0.57
BROMODICHLOROMETHANE	ND	2.6	ND	2.4	ND	2	ND	2.5	ND	2.5	ND	2.7	ND	1.4	ND	2.4
BROMOFORM	ND	10.1	ND	9.2	ND	7.8	ND	9.6	ND	9.6	ND	10.6	ND	2.1	ND	9.2
BROMOMETHANE	ND	1.5	ND	1.4	ND	1.2	ND	1.4	ND	1.4	ND	1.6	ND	0.79	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.1	1.7	0.94	2.1	1.2	ND	1.2	ND	1.3	ND	0.63	ND	1.1
CARBON TETRACHLORIDE	ND	1.2	ND	1.1	ND	0.95	ND	1.2	ND	1.2	ND	1.3	ND	0.64	ND	1.1
CHLOROBENZENE	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7	ND	1.9	ND	0.94	ND	1.6
CHLORODIBROMOMETHANE	ND	3.3	ND	3	ND	2.6	ND	3.2	ND	3.2	ND	3.5	ND	1.7	ND	3
CHLORODIFLUOROMETHANE	ND	1.4	ND	1.3	12.1	1.1	ND	1.3	ND	1.3	ND	1.4	ND	0.72	ND	1.3
CHLOROETHANE	ND	1	ND	0.94	ND	0.8	ND	0.99	ND	0.99	ND	1.1	ND	0.54	ND	0.94
CHLOROFORM	31	0.95	20.5	0.87	2.1	0.74	31.1	0.91	29.5	0.91	26.6	1	ND	0.5	21.7	0.87
CHLOROMETHANE	ND	0.81	1.2	0.74	ND	0.63	1.4	0.77	1.1	0.77	ND	0.84	ND	0.42	1.2	0.74
CIS-1,2-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5	ND	1.6	ND	0.81	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7	ND	1.8	ND	0.92	ND	1.6
CYCLOHEXANE	ND	1.3	ND	1.2	1.6	1	ND	1.3	1.4	1.3	ND	1.4	ND	0.7	ND	1.2
DICHLORODIFLUOROMETHANE	2.3	1.9	2.4	1.8	2.3	1.5	ND	1.8	2.5	1.8	ND	2	ND	1	2.3	1.8
ETHYLBENZENE	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6	ND	1.8	ND	0.88	ND	1.5
HEXACHLOROBUTADIENE	ND	4.2	ND	3.8	ND	3.3	ND	9.9	ND	9.9	ND	4.4	ND	2.2	ND	9.5
HEXANE	ND	1.4	ND	1.3	8.8	1.1	ND	1.3	1.6	1.3	ND	1.4	ND	0.72	2.6	1.3
ISOPROPANOL	130	4.8	134	4.4	8.7	3.7	123	4.6	62.1	4.6	87.3	5	ND	2.5	113	4.4
ISOPROPYLBENZENE	ND	4.8	ND	4.4	ND	3.7	ND	4.6	ND	4.6	ND	5	ND	2.5	ND	4.4
M+P-XYLENES	ND	3.4	ND	3.1	ND	2.6	ND	3.2	ND	3.2	ND	3.6	ND	1.8	ND	3.1
METHYL ACETATE	ND	3	ND	2.7	ND	2.3	ND	2.8	ND	2.8	ND	3.1			ND	2.7
METHYL CYCLOHEXANE	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5	ND	1.6	ND	0.82	ND	1.4
METHYL TERT-BUTYL ETHER	ND	7	ND	6.4	ND	5.5	ND	6.7	ND	6.7	ND	7.4	ND	3.7	ND	6.4
METHYLENE CHLORIDE	ND	6.8	ND	6.2	30.7	5.3	ND	6.5	ND	6.5	ND	7.1	ND	3.5	ND	6.2
O-XYLENE	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6	ND	1.8	ND	0.88	ND	1.5
PENTAFLUOROETHYL CHLORIDE	ND	6.2	ND	5.6	ND	4.8	26.8	5.9	22.2	5.9	ND	6.5			20.5	5.6
STYRENE	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6	ND	1.7	ND	0.87	ND	1.5
TETRACHLOROETHENE	ND	1.3	ND	1.2	86.9	1	ND	1.3	ND	1.3	242	1.4	ND	0.69	ND	1.2
TOLUENE	2.7	1.5	2.2	1.3	13.7	1.1	2.4	1.4	2.2	1.4	3	1.5	ND	0.77	2	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5	ND	1.6	ND	0.81	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7	ND	1.8	ND	0.92	ND	1.6
TRICHLOROETHENE	ND	1.1	ND	0.96	1.2	0.82	ND	1	ND	1	6.5	1.1	ND	0.55	ND	0.96
TRICHLOROFLUOROMETHANE	ND	2.2	ND	2	2.3	1.7	ND	2.1	ND	2.1	ND	2.3	ND	1.1	ND	2
VINYL CHLORIDE	ND	0.5	ND	0.46	ND	0.39	ND	0.48	ND	0.48	ND	0.52	ND	0.26	ND	0.46

ND- Not Detected
MRL - Method Reporting Limit
"IA" denotes Indoor Air Samples
"SS" denotes Sub-Slab Samples
ug/m3: microgram per cubic meter

Table 5-1
Indoor Air and Sub-Slab Sampling Results
Former Unisys Facility, Lake Success, New York

Client ID	SS-Prop2_20160308		IA-Prop3_20160308		SS-Prop3_20160308		IA-Prop4_20160308		SS-Prop4_20160308	
Lab Sample ID	10341033009		10341033022		10341033010		10341033023		10341033011	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 ug/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	2	ND	2.1	ND	1.9	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	ND	1	ND	1	ND	1.1	ND	0.96	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE	21.7	2.9	ND	2.9	34.3	3.1	ND	2.8	4.9	2.7
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.8	ND	6.1	ND	5.6	ND	5.3
1,1-DICHLOROETHANE	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
1,1-DIFLUOROETHANE	7	2.5	12.6	2.5	ND	2.6	16.8	2.4	18.6	2.3
1,2,4-TRICHLOROBENZENE	ND	6.9	ND	6.9	ND	7.2	ND	6.6	ND	6.3
1,2,4-TRIMETHYLBENZENE	ND	1.8	ND	4.6	3.3	1.9	ND	4.4	6.3	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	9	ND	9.4	ND	8.6	ND	8.2
1,2-DIBROMOETHANE	ND	2.9	ND	2.9	ND	3	ND	2.7	ND	2.6
1,2-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,2-DICHLOROETHANE	ND	0.75	ND	0.75	ND	0.79	ND	0.72	ND	0.69
1,2-DICHLOROPROPANE	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.6	ND	2.7	ND	2.5	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	1.8	ND	4.6	ND	1.9	ND	4.4	ND	1.7
1,3-BUTADIENE	ND	0.82	ND	0.82	ND	0.86	ND	0.79	ND	0.76
1,3-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,4-DICHLOROBENZENE	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,4-DIOXANE	ND	6.7	ND	6.7	ND	7	ND	6.4	ND	6.1
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	4.6	ND	1.9	ND	4.4	1.7	1.7
2-BUTANONE	5.6	5.5	ND	5.5	ND	5.8	ND	5.2	ND	5
2-HEXANONE	ND	7.6	ND	7.6	ND	8	ND	7.3	ND	7
3-CHLOROPROPENE	ND	2.9	ND	2.9	ND	3.1	ND	2.8	ND	2.7
4-METHYL-2-PENTANONE	ND	7.6	ND	7.6	ND	8	ND	7.3	ND	7
ACETONE	68.9	4.4	34.1	4.4	44.5	4.6	37.1	4.2	29.1	4.1
BENZENE	0.96	0.59	1.1	0.59	ND	0.62	1.1	0.57	1.3	0.55
BROMODICHLOROMETHANE	ND	2.5	ND	2.5	ND	2.6	ND	2.4	ND	2.3
BROMOFORM	ND	9.6	ND	9.6	ND	10.1	ND	9.2	ND	8.8
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.5	ND	1.4	ND	1.3
CARBON DISULFIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.1	2	1.1
CARBON TETRACHLORIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.1
CHLOROBENZENE	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	3.2	ND	3.2	ND	3.3	ND	3	ND	2.9
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.3	ND	1.4	ND	1.3	45.9	1.2
CHLOROETHANE	ND	0.99	ND	0.99	ND	1	ND	0.94	ND	0.91
CHLOROFORM	15.5	0.91	25.9	0.91	124	0.95	29.1	0.87	4.7	0.83
CHLOROMETHANE	0.9	0.77	1.4	0.77	ND	0.81	ND	0.74	1.2	0.71
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.5
CYCLOHEXANE	ND	1.3	ND	1.3	ND	1.3	ND	1.2	1.7	1.2
DICHLORODIFLUOROMETHANE	1.9	1.8	2.3	1.8	ND	1.9	2.4	1.8	2.9	1.7
ETHYLBENZENE	ND	1.6	ND	1.6	ND	1.7	ND	1.5	1.6	1.5
HEXACHLOROBUTADIENE	ND	4	ND	9.9	ND	4.2	ND	9.5	ND	3.7
HEXANE	ND	1.3	2	1.3	ND	1.4	2.2	1.3	16.9	1.2
ISOPROPANOL	109	4.6	126	4.6	22.5	4.8	108	4.4	ND	4.2
ISOPROPYLBENZENE	ND	4.6	ND	4.6	ND	4.8	ND	4.4	ND	4.2
M+P-XYLENES	ND	3.2	ND	3.2	ND	3.4	ND	3.1	6.8	3
METHYL ACETATE	ND	2.8	ND	2.8	ND	3	ND	2.7	ND	2.6
METHYL CYCLOHEXANE	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.7	ND	7	ND	6.4	ND	6.2
METHYLENE CHLORIDE	ND	6.5	ND	6.5	ND	6.8	10.2	6.2	103	5.9
O-XYLENE	ND	1.6	ND	1.6	ND	1.7	ND	1.5	2.6	1.5
PENTAFLUOROETHYL CHLORIDE	ND	5.9	26.7	5.9	ND	6.2	36.1	5.6	ND	5.4
STYRENE	ND	1.6	ND	1.6	ND	1.7	ND	1.5	ND	1.5
TETRACHLOROETHENE	3.6	1.3	ND	1.3	105	1.3	ND	1.2	43.2	1.2
TOLUENE	4.9	1.4	3	1.4	1.8	1.5	6.8	1.3	9.7	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.5
TRICHLOROETHENE	2	1	ND	1	5.7	1.1	ND	0.96	14.8	0.92
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2.1	2.6	2.2	ND	2	1.9	1.9
VINYL CHLORIDE	ND	0.48	ND	0.48	ND	0.5	ND	0.46	ND	0.44

ND- Not Detected
MRL - Method Reporting Limit
"IA" denotes Indoor Air Samples
"SS" denotes Sub-Slab Samples
ug/m3: microgram per cubic meter

Table 5-2
 NYSDOH Evaluations for PCE and TCE - LA Fitness
 Former Unisys Facility, Lake Success, NY

Sample ID:	SS-12_20160308		IA-13_20160308		NYSDOH Matrices Recommended Actions	SS-C1*_20160308		IA-C1_20160308		NYSDOH Matrices Recommended Actions		
Lab ID:	10341033012		10341033024			10341033001		10341033013				
Location:	LA Fitness		LA Fitness			LA Fitness		LA Fitness				
Date:	3/8/2016		3/8/2016			3/8/2016		3/8/2016				
	Result	MRL	Result	MRL	Annual Monitoring	Result	MRL	Result	MRL	Annual Monitoring		
Tetrachloroethene (PCE)	8.6	1.3	ND	1.3		11.4	1.3	ND	1.2			
Trichloroethene (TCE)	4.6	1.0	ND	1.1		111	1.0	ND	0.92			

Sample ID:	SS-D7*_20160308		IA-D7_20160308		NYSDOH Matrices Recommended Actions	SS-E10_20160308DUP		IA-E10-20160308		NYSDOH Matrices Recommended Actions		
Lab ID:	10341033003		10341033015			10341033026		10341033016				
Location:	LA Fitness		LA Fitness			LA Fitness		LA Fitness				
Date:	3/8/2016		3/8/2016			3/8/2016		3/8/2016				
	Result	MRL	Result	MRL	Annual Monitoring	Result	MRL	Result	MRL			
Tetrachloroethene	19.9	1.3	ND	1.6		22.7	1.3	ND	1.6			
Trichloroethene	91.1	1.0	ND	1.2		38.0	1.0	ND	1.2			

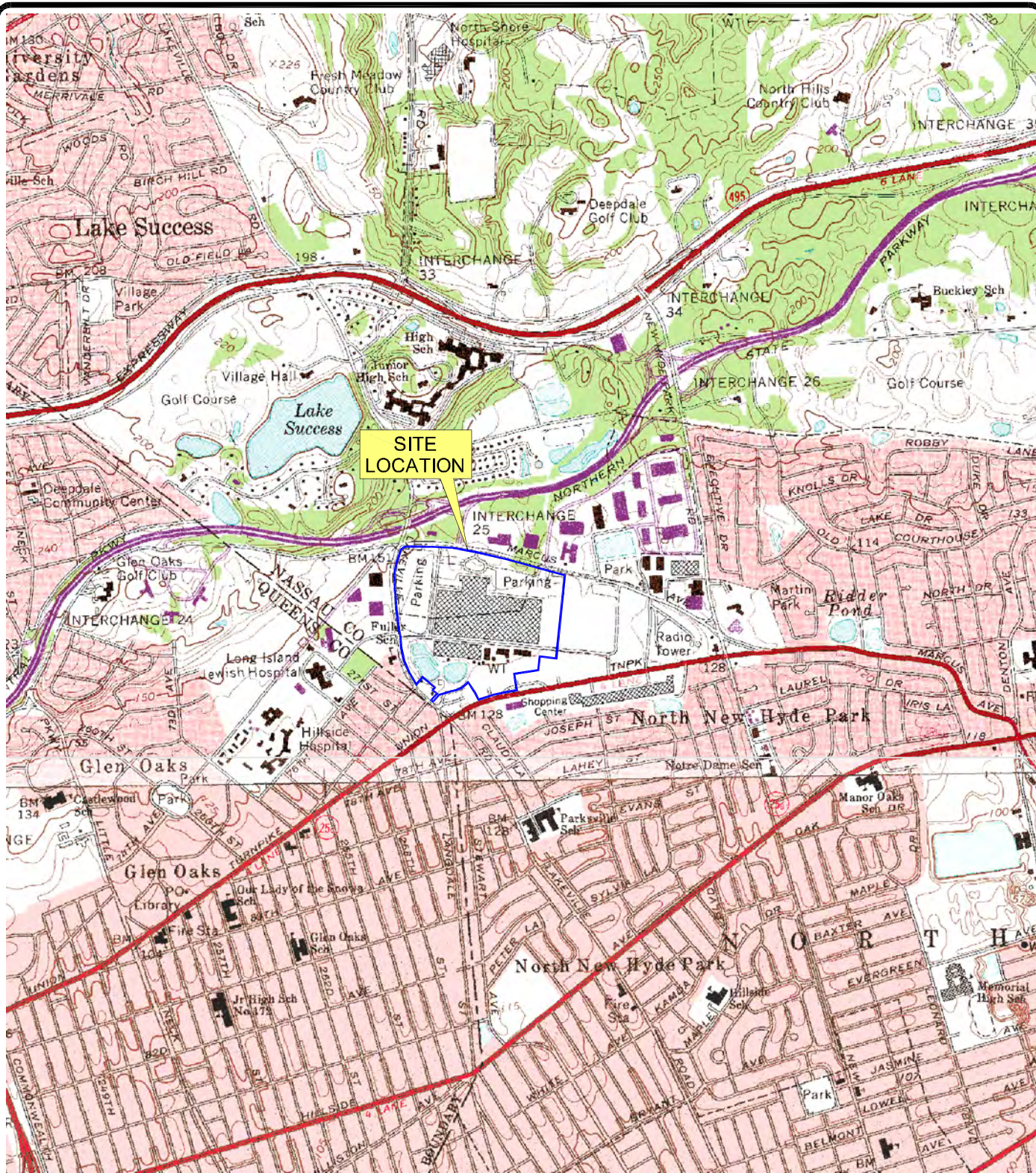
Sample ID:	SS-E16*_20160308		IA-E16_20160308		NYSDOH Matrices Recommended Actions	SS-G5*_20160308		IA-G5_20160308		NYSDOH Matrices Recommended Actions		
Lab ID:	10341033005		10341033017			10341033006		10341033018				
Location:	LA Fitness		LA Fitness			LA Fitness		LA Fitness				
Date:	3/8/2016		3/8/2016			3/8/2016		3/8/2016				
	Result	MRL	Result	MRL	Annual Monitoring	Result	MRL	Result	MRL	Annual Monitoring		
Tetrachloroethene	306	1.2	ND	1.2		ND	1.3	ND	1.3			
Trichloroethene	0.96	0.96	ND	0.96		ND	1.1	ND	1.0			

Sample ID:	SS-H21*_20160308		IA-H21_20160308		NYSDOH Matrices Recommended Actions	SS-Prop1_20160308		IA-Prop1_20160308		NYSDOH Matrices Recommended Actions		
Lab ID:	10341033007		10341033019			10341033008		10341033020				
Location:	LA Fitness		LA Fitness			LA Fitness		LA Fitness				
Date:	3/8/2016		3/8/2016			3/8/2016		3/8/2016				
	Result	MRL	Result	MRL		Result	MRL	Result	MRL	Annual Monitoring		
Tetrachloroethene	86.9	1.0	ND	1.2		242	1.4	ND	1.3			
Trichloroethene	1.2	0.82	ND	0.96		6.5	1.1	ND	1.0			

Sample ID:	SS-Prop2_20160308		IA-Prop2_20160308		NYSDOH Matrices Recommended Actions	SS-Prop3_20160308		IA-Prop3_20160308		NYSDOH Matrices Recommended Actions		
Lab ID:	10341033009		10341033021			10341033010		10341033022				
Location:	LA Fitness		LA Fitness			LA Fitness		LA Fitness				
Date:	3/8/2016		3/8/2016			3/8/2016		3/8/2016				
	Result	MRL	Result	MRL	Annual Monitoring	Result	MRL	Result	MRL	Annual Monitoring		
Tetrachloroethene	3.6	1.3	ND	1.2		105	1.3	ND	1.3			
Trichloroethene	2.0	1.0	ND	0.96		5.7	1.1	ND	1.0			

Sample ID:	SS-Prop4_20160308		IA-Prop4_20160308		NYSDOH Matrices Recommended Actions							
Lab ID:	10341033011		10341033023									
Location:	LA Fitness		LA Fitness									
Date:	3/8/2016		3/8/2016									
	Result	MRL	Result	MRL	Annual Monitoring							
Tetrachloroethene	43.2	1.2	ND	1.2								
Trichloroethene	14.8	0.92	ND	0.96								

FIGURES



SOURCES: U.S.G.S TOPOGRAPHIC SERIES (NY)
SEA CLIFF, DATED 1968, PHOTOREVISED 1979
HORIZONTAL DATUM: NAD1927, VERTICAL DATUM: NGVD1929
LATITUDE: 040° 45' 22.07"N, LONGITUDE: 073° 41' 53.55"W

0 2000 4000
SCALE IN FEET



PROJECT: **Lockheed Martin Corporation
Former Unisys Facility**

LOCATION: **Lake Success, New York**

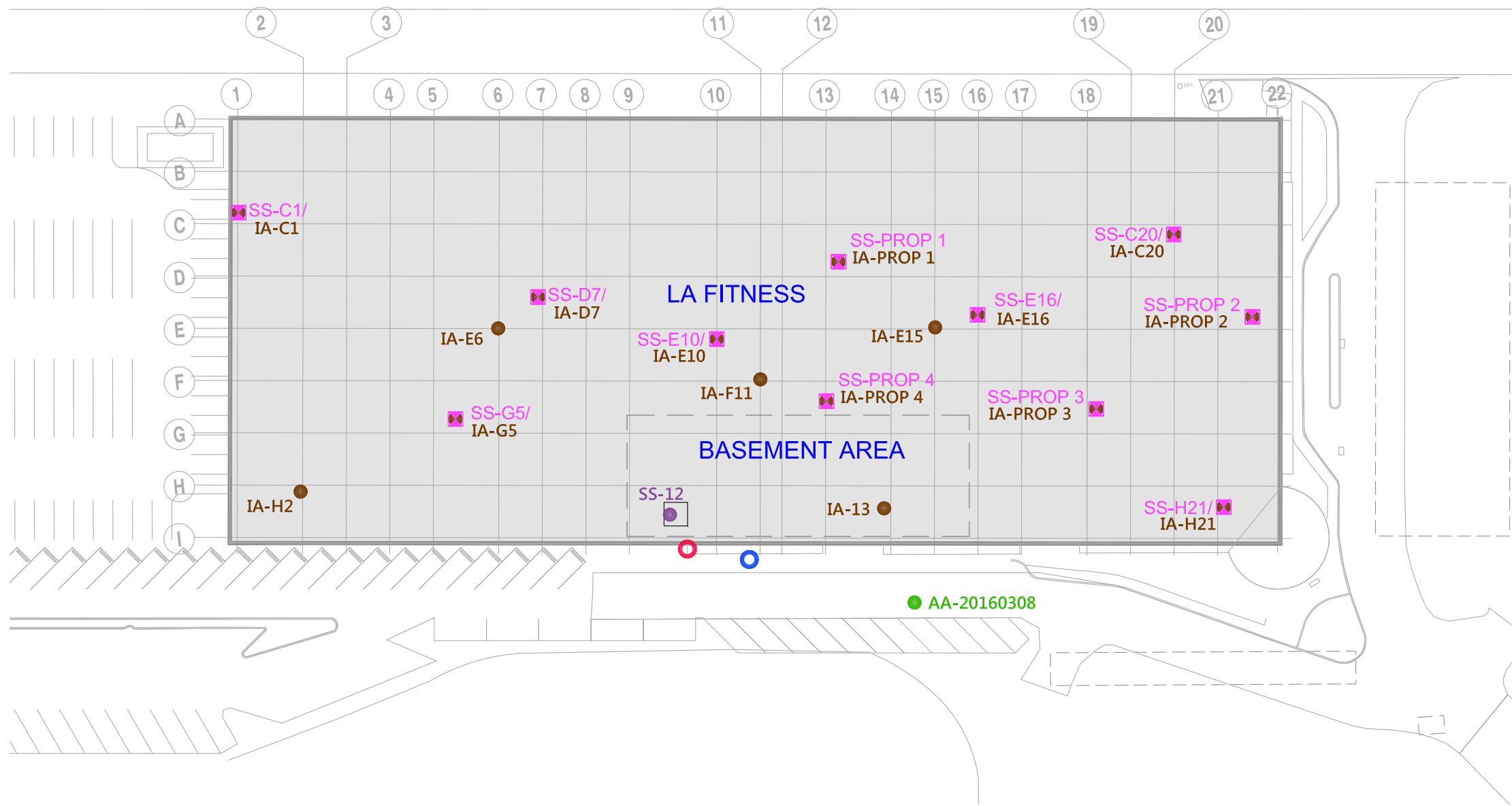
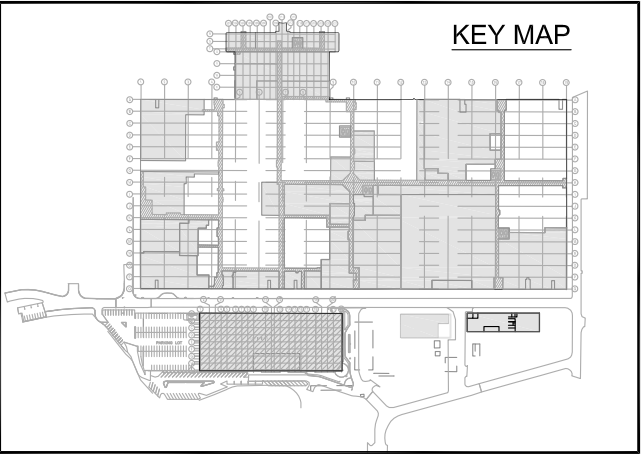
TITLE: **SITE LOCATION MAP**



TETRA TECH

APPROVED	SF
DRAFTED	CP
PROJECT#	117-0507642
DATE	7-14-16

FIGURE
1-1

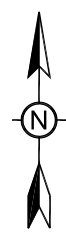
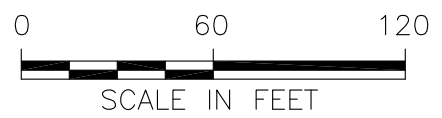


LEGEND

- IA-13 INDOOR AIR SAMPLE LOCATION
- SS-14/IA-14 HISTORIC SUB-SLAB SOIL VAPOR/INDOOR AIR SAMPLE LOCATIONS
- SS-C1/IA-14 PAIRED SUB-SLAB SOIL VAPOR/INDOOR AIR SAMPLE LOCATIONS
- IA-12 BASEMENT AIR SAMPLE LOCATION
- PASSIVE VENT EXHAUST
- PASSIVE VENT INLET
- AA-2-16-3-8 AMBIENT AIR SAMPLE LOCATION

NOTES:

- SUB-SLAB MONITORING POINTS SS-LAC8 AND SS-14 WERE REPLACED BY NEW MONITORING POINTS SS-07 AND SS-C20, RESPECTIVELY DURING 2015.
- SS-MONITORING POINTS SS-C1, SS-E10, SS-E16, SS-G5 AND SS-H21 WERE INSTALLED IN THE LA FITNESS BUILDING DURING 2015.



TITLE: 2016 VI SAMPLING LOCATIONS - LA FITNESS 2016 SV MONITORING WORK PLAN			
LOCATION: Former UNISYS Facility Lake Success, New York			
	APPROVED	TJ	FIGURE 2-2
	DRAFTED	CP	
	PROJECT#	117-0507644	
	DATE	7-14-16	

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VP-104	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
Depth	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
5	250	67	NA	0.27	ND	3.3	500	110	NA	0.82	ND	ND
10	760	690	620	0.8	ND	5.7	1,300	890	920	2.0	1.4	3
19	1,300	1,700	1,200	960	49	74.2	1,700	1,100	1,000	400	28	41.9
30	1,600	1,900	1,300	2,000	100	280	1,500	1,100	960	870	51	145
40	1,500	2,000	1,500	2,100	140	323	1,600	1,100	1,200	880	68	172
50	2,200	2,000	2,200	2,100	1,300	1,370	1,200	970	990	860	600	661
62	2,100	1,800	2,100	2,000	340	711	1,000	820	960	880	150	845
73	1,900	1,800	2,100	650	930	1,140	890	830	930	270	370	466

LIJ-VP-7	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
Depth	2011	2012	NA	1	0.44	2.0*	8,700	4,900	NA	2	1.1	1.8*
5	380	300	260	4	15	28.6	7,300	9,300	8,900	43	33	47
20	4,700	2,800	3,100	5,500	3,400	4,510	36,000	20,000	21,000	7,600	4,100	5,170
30	39,000	30,000	32,000	60,000	91,000	2,100	41,000	37,000	40,000	40,000	53,000	1,360
40	53,000	45,000	53,000	22,000	15,000	11,800	50,000	31,000	38,000	12,000	8,900	7,500
50	5,400	3,200	4,900	2,700	2,400	28.2	3,100	1,500	2,600	1,700	1,400	28.3

VP-103	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
Depth	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
5	52	37	NA	0.18	0.45	ND	18	13	NA	0.83	ND	ND
10	69	54	NA	5.9	2.4	4.0	23	18	NA	3.2	1.6	2.9
20	150	98	86	170	170	48.7	57	36	30	60	39	15.7
30	400	270	200	470	340	284	170	95	64	160	100	97
40	580	600	410	590	350	395	220	210	110	200	130	125
50	650	660	750	540	410	222	240	240	240	190	150	91
62	610	640	670	540	430	305	230	230	220	190	140	180
75	610	630	660	460	350	333	230	230	920	160	120	201

VP-102	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
Depth	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
5	86	54	NA	0.25	ND	ND	290	170	NA	0.92	ND	ND
9	120	77	NA	0.45	0.44	ND	300	200	NA	1.0	0.76	ND
20	620	360	120	2.4	1.4	5.2	500	390	190	3.7	2.4	1.8
51	1,200	1,000	1,200	960	630	370	680	450	520	470	330	198
58	1,200	890	1,300	890	650	432	610	390	560	410	350	246
61	1,300	190	1,300	920	650	349	620	450	540	450	350	194
74	1,100	980	1,100	890	500	453	660	440	470	450	320	280

VP-NYSDEC 5	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
Depth	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
5	210	44	250	130	8.4	39.4	11	9	12	4	6.2	2.5
10	420	220	260	8	1.2	12.9	61	23	28	2	1.4	2.1
20	31,000	16,000	19,000	1,800	1,000	808	2,700	1,600	1,700	160	59	72.5
30	59,000	35,000	43,000	4	92,000	189,000	2,500	2,600	3,100	6	6,000	12,100
40	72,000	50,000	84,000	170,000	96,000	328,000	8,600	6,500	8,700	11,000	6,500	35,000
50	230,000	150,000	210,000	400,000	160,000	344,000	2,200	1,100	2,000	1	830	3,850

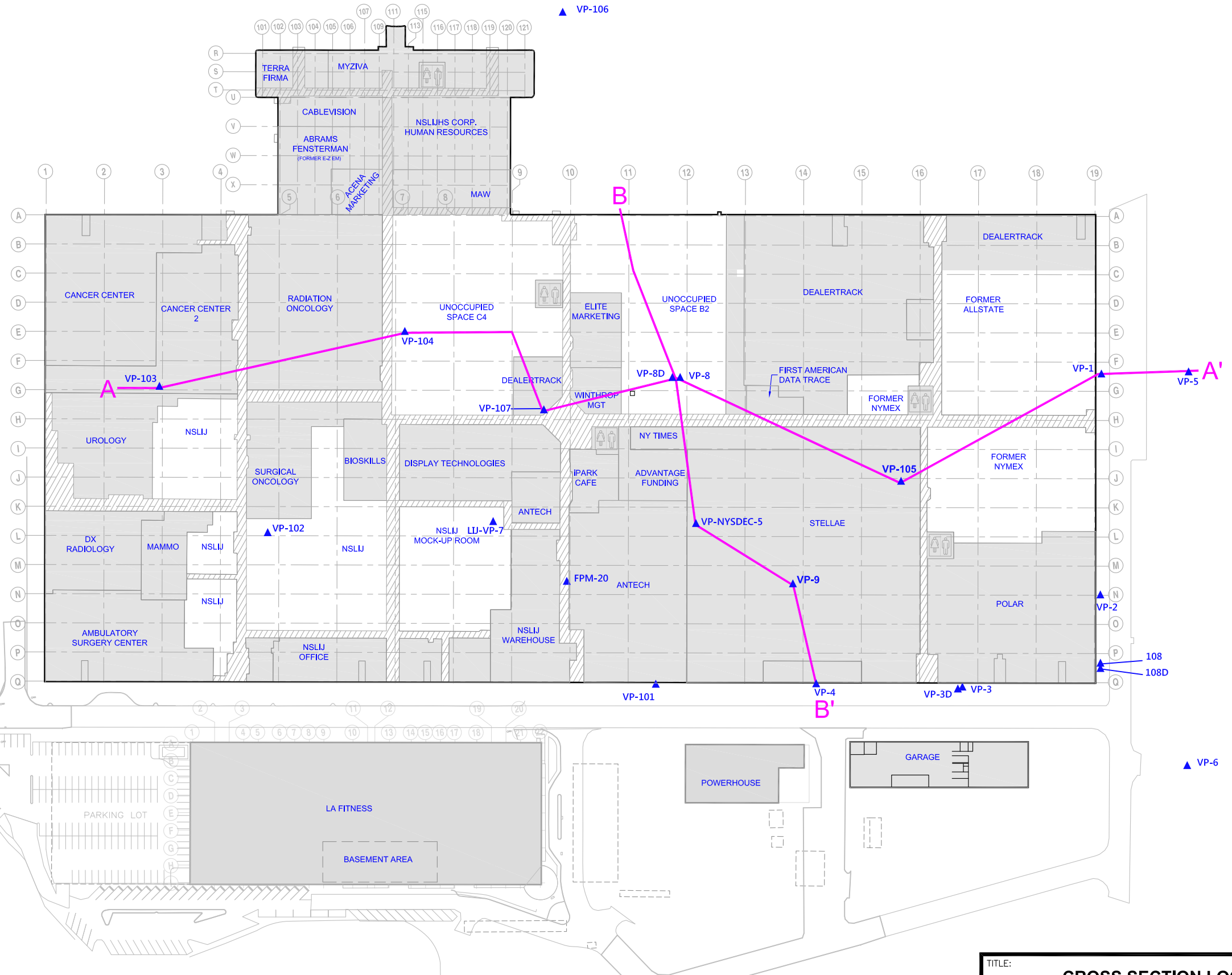
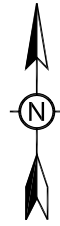
FPM-20	TCE						PCE						
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS			
	Depth	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
5	0.51	0.53	52	0.62	ND	1.9	1.2	1.3	660	0.83	ND	ND	
9	54	55	260	0.65	0.83	5.2	440	570	8,900	1.9	2.0	2.4	

VP-9	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
Depth	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
10	5,100	3,000	4,000	62	14	20.1*	1,100	730	940	17	5.4	6.7*
20	35,000	24,000	24,000	7,300	1,800	905	4,500	3,200	3,600	1,100	420	377
30	120,000	100,000	85,000	47,000	18,000	14,800	11,000	9,600	8,400	4,500	1,900	1,870
40	330,000	270,000	470,000	390,000	390,000	647,000	19,000	24,000	49,000	41,000	42,000	126,000
50	17,000	10,000	45,000	30,000	11,000	33,400	1,800	1,000	5,000	3,500	1,300	3,990
60	34,000	29,000	48,000	28,000	12,000	40,000	4,300	3,300	5,400	3,800	1,700	5,840

VP-101	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
Depth	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
5	1.9	0.79	NA	0.17	0.32	1.3	1.4	1.5	NA	0.85	1.7	1.8
15	2.6	3.3	NA	1.4	5.7	2.9	3.1	3.4	NA	1.8	12	5.1
27	7.5	63	NA	49	40	68.5	4.3	49	NA	45	31	53.5

VP-107	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
Depth	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
5	32,000	26,000	1,800	3.8	0.77	ND	180	170	10	1	3.7	ND
10	26,000	12,000	11,000	110	320	2,700	1,400	1,300	850	4	4.1	32.9
20	13,000	8,600	17,000	6,700	92,000	6,650	1,000	2,000	1,400	63	ND	2,410
33	31,000	15,000	88,000	35,000	160,000	5,630	1,900	2,100	1,600	1	1,200	1,840
44	37,000	25,000	110,000	170,000	44,000	6,730	1,600	2,100	2,200	1	1,000	1,190
60	11,000	12,000	29,000	8,000	5,200	2,910	1,400	2,000	2,500	1,300	1,300	919
74	4,000	6,600	16,000	8,000	2,200	2,070	830	1,600	2,100	1,400	790	762


VP-106	TCE						PCE					
	Pre-SSDS			Post-SSDS			Pre-SSDS			Post-SSDS		
	2011	2012	2013	2014	2015	2016	2011	2012	2013	2014	2015	2016
Depth												
5	120	1	NA	0.22	ND	ND	8.7	7.4	NA	3.8	2.0	3
11	7	5	NA	1.9	0.36	0.79	19	15	NA	7.1	3.7	4.3
20	23	14	NA	8.7	5.6	11.2	43	25	NA	18	13	22.5
28	17	15	NA	10	10	13.7	36	31	NA	29	30	32.4
56	1,900	1,800	NA	1,200	820	686	550	480	NA	300	140	275
72	2,600	2,200	NA	2,600	1,000	1650*	680	560	NA	640	160	355*
84	2,500	2,300	NA	2,400	950	2,370	590	500	NA	560	210	580



- LEGEND**
- ▲ VP-107
▲ FPM-20 NESTED WELL SAMPLE LOCATIONS
 - A—A' CROSS SECTION LOCATION

NOTE:
OCCUPIED TENANT AREAS ARE SHOWN IN GRAY.



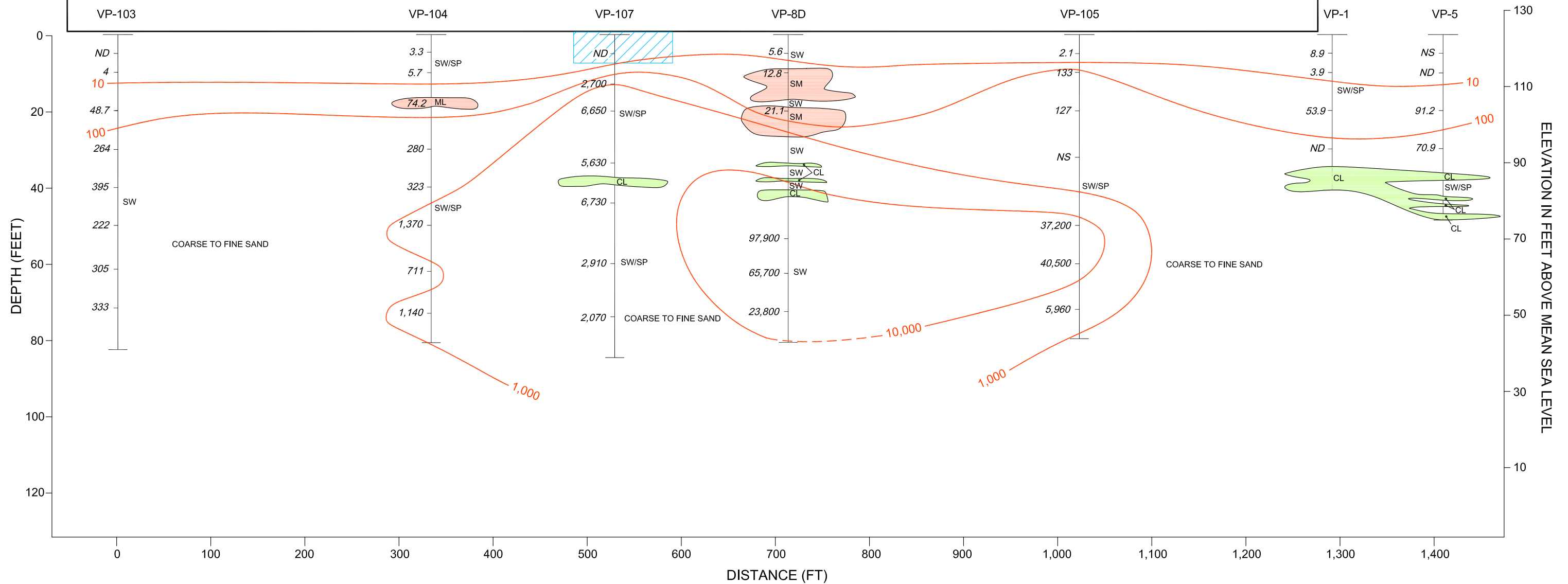
TITLE: CROSS SECTION LOCATION MAP			
LOCATION: Former Unisys Facility Lake Success, New York			
 TETRA TECH	APPROVED	JB	FIGURE 4-2
	DRAFTED	CP	
	PROJECT#	117-0507644	
	DATE	7-14-16	

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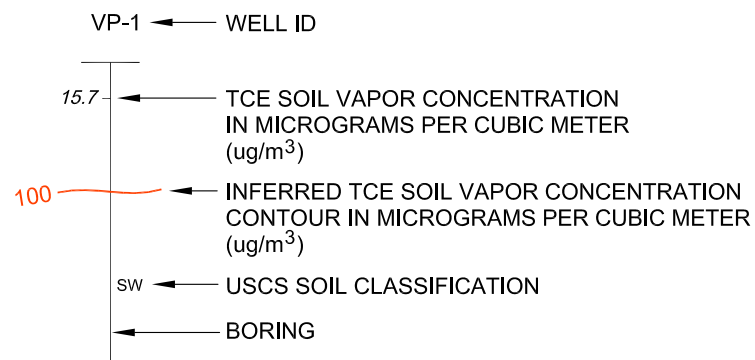
A
WEST

A'
WEST

BUILDING



LEGEND



<div></div>	CLAY, CLAY & SAND, SILTY CLAY
<div></div>	SAND & SILT
<div></div>	FORMER PLATING PIT
TCE	TRICHLOROETHENE
SW	WELL GRADED SANDS
SP	POORLY GRADED SANDS
CL	CLAYS, GRAVELLY, SANDY, OR SILTY CLAYS
SM	SILTY SANDS, SAND-SILT MIXTURES

NOTES:

1. J = ESTIMATED VALUE
2. ND = COMPOUND NOT DETECTED ABOVE METHOD DETECTION LIMIT.
3. DUPLICATE VALUES ARE REPRESENTED IN BRACKETS.
4. SEE ASSOCIATED DATA TABLES FOR NUMERICAL SUMMARY OF THE SOIL VAPOR RESULTS.
5. LITHOLOGIC DESCRIPTIONS OF SOIL ARE FROM DRAFT SUPPLEMENTAL PERCHED WATER INVESTIGATION REPORT DATED OCTOBER, 2011 PREPARED BY ARCADIS.

TITLE: CROSS SECTION A-A'		
WITH TCE SOIL VAPOR CONCENTRATIONS (ug/m ³)		
LOCATION: Former Unisys Facility		
Lake Success, New York		
<div>TETRA TECH</div>	APPROVED	JB
	DRAFTED	CP
	PROJECT#	117-0507644
	DATE	7-14-16
		FIGURE 4-4

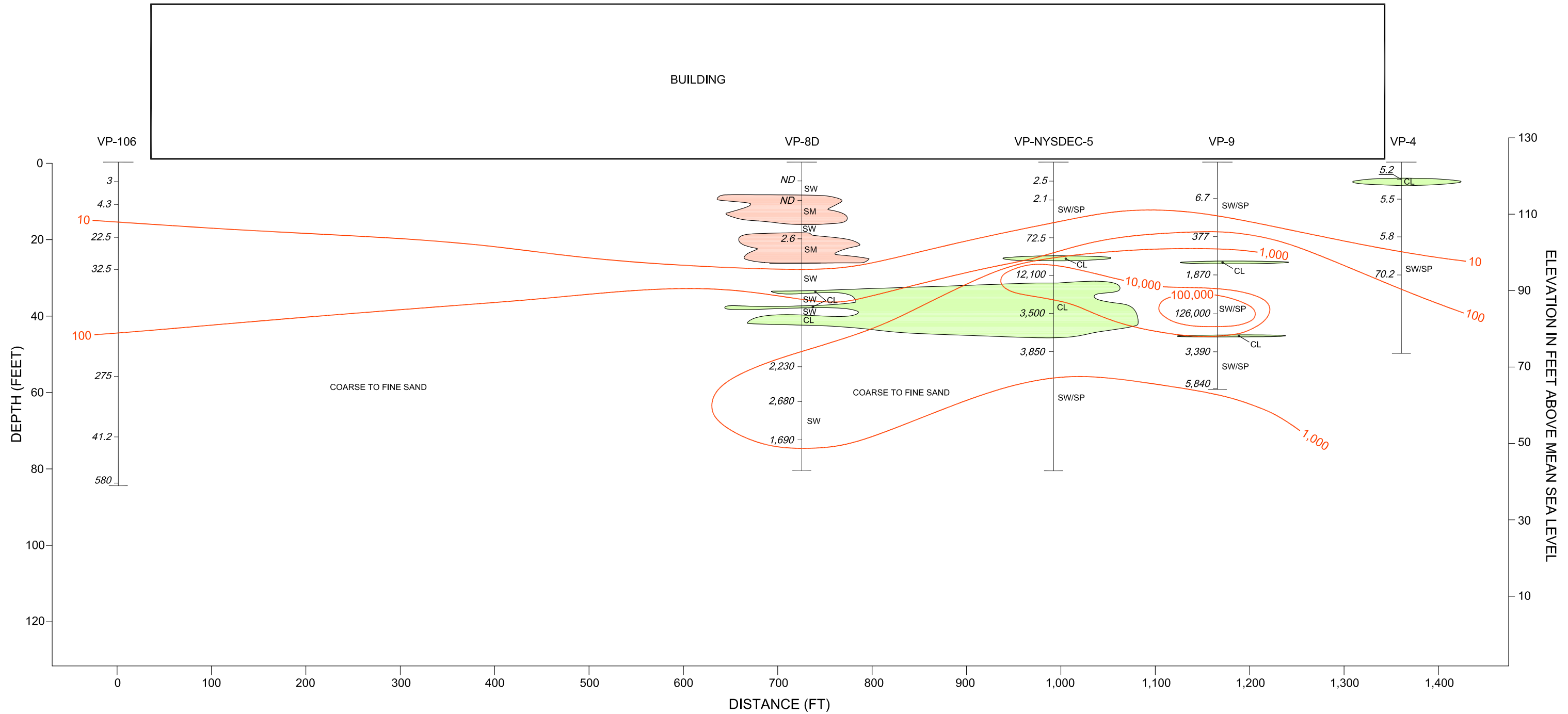
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B

NORTH

B'

SOUTH



LEGEND

VP-1 — WELL ID

15.7 — PCE SOIL VAPOR CONCENTRATION
IN MICROGRAMS PER CUBIC METER
(ug/m³)

100 — INFERRED PCE SOIL VAPOR CONCENTRATION
CONTOUR IN MICROGRAMS PER CUBIC METER
(ug/m³)

SW — USCS SOIL CLASSIFICATION

— BORING

CLAY, CLAY & SAND, SILTY CLAY

SAND & SILT

PCE TETRACHLOROETHENE

SW WELL GRADED SANDS

SP POORLY GRADED SANDS

CL CLAYS, GRAVELLY, SANDY, OR SILTY CLAYS

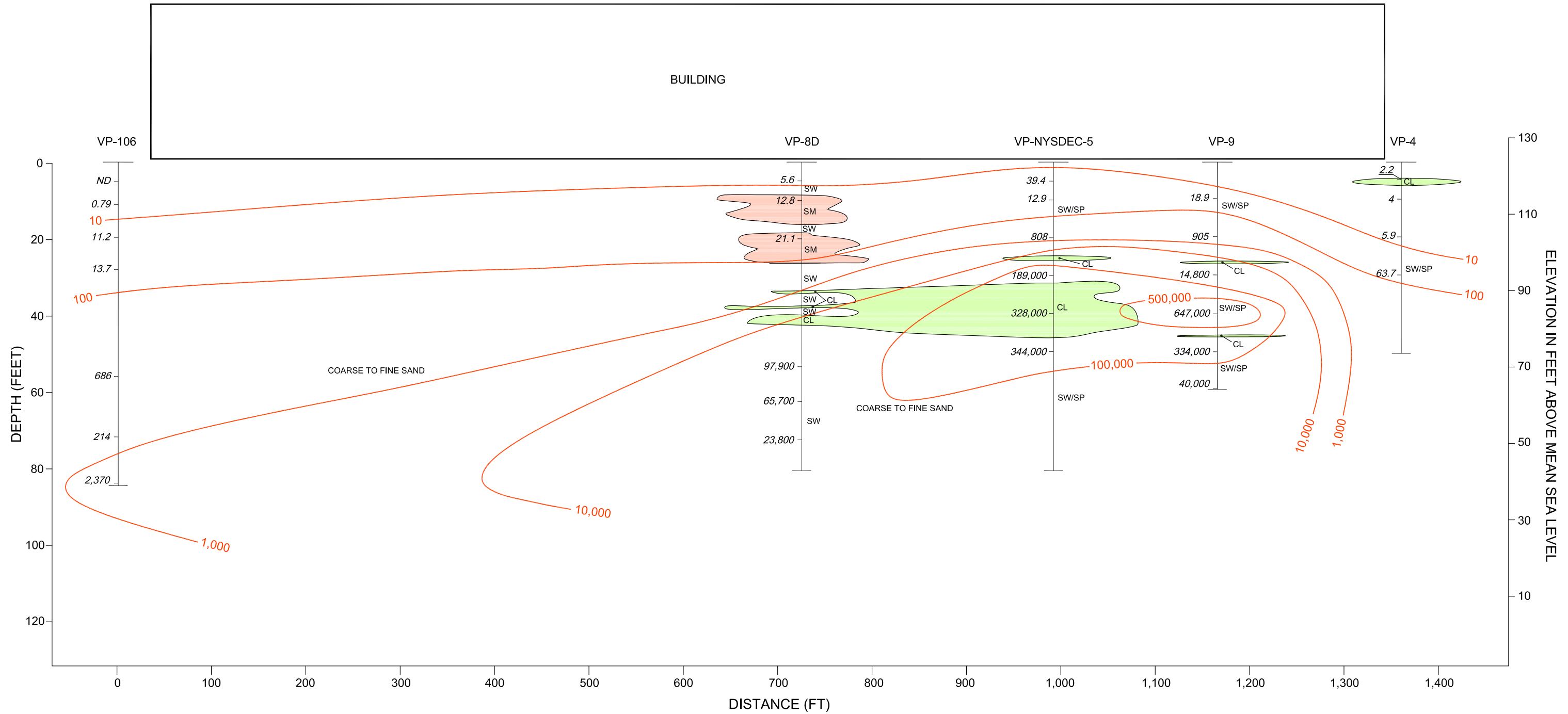
SM SILTY SANDS, SAND-SILT MIXTURES

NOTES:

1. J = ESTIMATED VALUE
2. ND = COMPOUND NOT DETECTED ABOVE METHOD DETECTION LIMIT.
3. DUPLICATE VALUES ARE REPRESENTED IN BRACKETS.
4. SEE ASSOCIATED DATA TABLES FOR NUMERICAL SUMMARY OF THE SOIL VAPOR RESULTS.
5. LITHOLOGIC DESCRIPTIONS OF SOIL ARE FROM DRAFT SUPPLEMENTAL PERCHED WATER INVESTIGATION REPORT DATED OCTOBER, 2011 PREPARED BY ARCADIS.

TITLE: CROSS SECTION B-B' WITH PCE SOIL VAPOR CONCENTRATIONS (ug/m ³)		
LOCATION: Former Unisys Facility Lake Success, New York		
	APPROVED	JB
	DRAFTED	CP
	PROJECT#	117-0507644
	DATE	7-14-16
		FIGURE 4-5

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LEGEND

VP-1 ← WELL ID

15.7 ← TCE SOIL VAPOR CONCENTRATION
IN MICROGRAMS PER CUBIC METER
(ug/m³)

100 ← INFERRED TCE SOIL VAPOR CONCENTRATION
CONTOUR IN MICROGRAMS PER CUBIC METER
(ug/m³)

SW ← USCS SOIL CLASSIFICATION

← BORING

CLAY, CLAY & SAND, SILTY CLAY

SAND & SILT

TCE TRICHLOROETHENE

SW WELL GRADED SANDS

SP POORLY GRADED SANDS

CL CLAYS, GRAVELLY, SANDY, OR SILTY CLAYS

SM SILTY SANDS, SAND-SILT MIXTURES

- NOTES:
1. J = ESTIMATED VALUE
 2. ND = COMPOUND NOT DETECTED ABOVE METHOD DETECTION LIMIT.
 3. DUPLICATE VALUES ARE REPRESENTED IN BRACKETS.
 4. SEE ASSOCIATED DATA TABLES FOR NUMERICAL SUMMARY OF THE SOIL VAPOR RESULTS.
 5. LITHOLOGIC DESCRIPTIONS OF SOIL ARE FROM DRAFT SUPPLEMENTAL PERCHED WATER INVESTIGATION REPORT DATED OCTOBER, 2011 PREPARED BY ARCADIS.

TITLE:

CROSS SECTION B-B'
WITH TCE SOIL VAPOR CONCENTRATIONS (ug/m³)

LOCATION:

Former Unisys Facility
Lake Success, New York

Tt

TETRA TECH

APPROVED

JB

DRAFTED

CP

PROJECT#

117-0507644

DATE

7-14-16

FIGURE

4-6

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**APPENDIX A—2016 SOIL VAPOR SAMPLING WORK PLAN FOR THE
IPARK AND LA FITNESS BUILDING, FORMER UNISYS FACILITY, LAKE
SUCCESS, NEW YORK**



December 23, 2015

Mr. Girish Desai
Project Manager
Division of Environmental Remediation
New York State Department of Environmental Conservation
Region I Headquarters
50 Circle Road
Stony Brook, NY 11790-3409

**Re: 2016 Soil Vapor Sampling Work Plan for the iPark and LA Fitness Buildings.
Former Unisys Facility (Site No. 130045), 1111 Marcus Avenue, Lake Success, New York.**

Dear Mr. Desai:

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc. (Tetra Tech) has prepared this 2016 Soil Vapor (SV) Sampling Work Plan for the annual soil vapor monitoring program for the former Unisys Facility in Lake Success, New York. The Work Plan defines the scope of work proposed for 2016 and details the proposed sampling locations, sampling methodologies, standard operating procedures (SOPs included in Appendix A), sample analysis and reporting requirements.

Sampling activities to be conducted at the facility located at 1111 Marcus Avenue, Lake Success, New York (the "Site") will include both the main iPark Building and the neighboring LA Fitness Building. The specific locations within these buildings are identified on Figure 1.

The primary purpose of the proposed 2016 SV monitoring activities is to collect data from the nested wells located at various depths beneath and outside the iPark Building so to assess the performance of the site-wide sub-slab depressurization system (SSDS). An additional goal of the 2016 SV monitoring program is to evaluate the impact of turning off select SSDS extraction points (EPs) by quantifying the change in volatile organic compound (VOC) concentrations in paired sub-slab soil vapor (SSV) and indoor air (IA) samples before and after shut-down. These data will be used to support recommendations for future optimization including shutting down the EPs if concentrations in SSV remain below NYSDOH VI Guidance Matrix 1 and Matrix 2 criteria. Also, sampling is proposed for the LA Fitness Building consistent with the scope of the 2015 sampling event which includes an assessment of rebound after shut-down of the passive SSDS.

The 2016 monitoring program is a continuation of the annual assessment since 2007 of the sub slab VOC distribution and the performance of the mitigation systems in place at the site to protect human health. In summary, the objectives of the 2016 SV monitoring event are to:

1. Confirm our 2015 findings and note any changes to the sub surface conditions over time.
2. Collect SV samples from the existing nested multi-level sampling ports within and outside the iPark Building;

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295 Route 22 East, Suite 104E, Whitehouse Station, New Jersey 08889
Tel 908.534.2303 Fax 908.534.4709 www.tetrattech.com

3. Evaluate rebound before and after turning off select SSDS EPs within the iPark Building using paired SSV and IA samples;
4. Collect SSV and IA samples from within the LA Fitness Building consistent with the 2015 program;
5. Review 2016 data in context with the historical data to evaluate changes to VOC concentrations in soil vapor at various depths and to assess the distribution of VOC concentrations beneath the iPark and LA Fitness Buildings.

Soil vapor sampling activities will be conducted in accordance with the approved Work Plan, Standard Operating Procedures (SOPs included in Appendix A) and the Tetra Tech Site Specific Health and Safety Plan (HASP).

SITE INFORMATION

The Site is located at 1111 Marcus Avenue, Lake Success, New York (Figure 1). Soil vapor sampling below the slab of the main building has indicated the presence of VOC vapors at concentrations that require mitigation based on the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH VI Guidance, NYSDOH 2006). To mitigate soil vapors from entering the main buildings, a site-wide SSDS was constructed and has been in full operation since September 2013. Currently, the active SSDS extracts vapors from 60 extraction points (EPs) within the main building and the former garage and one soil vapor extraction (SVE) well (SVE-G11). A second SVE well (SVE-H-11P) is installed within the eastern portion of the former RCRA Area 9 sump pit near the center of the main building. A third SVE well (SVE-H09) is currently under construction within the western portion of the former RCRA Area 9 sump pit and is expected to be operational January 2016. The active SSDS is designed to induce a vacuum under the floor slab and maintain a differential pressure of at least -0.004 inches of water column (in. WC) between the sub-slab and indoor air.

In order to address low levels of PCE and TCE detected in the unused partial basement of the LA Fitness building, a passive venting system was designed in October 2009, and upon approval, installed in 2010. The objective of the passive vent system was to provide a preferred pathway for contaminants (if any) to the atmosphere, and thus reduce the likelihood of the basement air entering into the occupied space of the LA Fitness building

Previous Vapor Intrusion Investigations - iPark

Lockheed Martin has performed multiple sampling events between 2007 and 2015 since the publication of NYSDOH final VI Guidance (NYSDOH, 2006), and has presented the results to NYSDEC and NYSDOH. A brief summary of these sampling events and VI reports is presented below:

- March 2007: 19 sub-slab soil gas samples, 27 indoor air samples, and four ambient air samples were tested and results were submitted to NYSDEC in the Vapor Intrusion Sampling Report and Sampling Work Plan (ARCADIS, 2008).

- October 2007: 4 sub-slab soil gas samples were tested and results were included in the Vapor Intrusion Sampling Report and Sampling Work Plan (ARCADIS, 2008).
- December 2007: 25 sub-slab soil gas samples, 33 indoor air samples, and four ambient air samples were tested and results were included in the Vapor Intrusion Sampling Report and Sampling Work Plan (ARCADIS, 2008).
- January 2008: 13 indoor air samples were tested and results were submitted to NYSDEC in the Vapor Intrusion Sampling Report (ARCADIS, 2009a).
- March 2008: 42 sub-slab soil gas samples and 13 indoor air samples were tested and results were included in the Vapor Intrusion Sampling Report (ARCADIS, 2009a).
- September – November 2008: 52 sub-slab soil gas samples and 24 indoor air samples were tested and results were included in the Vapor Intrusion Sampling Report (ARCADIS, 2009a).
- January 2009: 46 sub-slab soil gas samples, 38 indoor air samples, six ambient air samples, and seven duplicate samples were tested.
- March 2009: 22 sub-slab soil gas samples, 28 indoor air samples, six ambient air samples, and four duplicate samples were tested. The results from January and March 2009 were submitted to NYSDEC in Perched Water and Vapor Intrusion Source Investigation (ARCADIS, 2009b).
- December 2009 – January 2010: 85 sub-slab soil vapor samples, 89 indoor air samples, 17 ambient air samples, and 18 duplicate samples were tested.
- March 2010: 12 sub-slab soil vapor samples, 18 indoor air samples, four ambient air samples, and three duplicate samples were tested. The results for December 2009 to January 2010 and March 2010 events were reported to NYSDEC in Vapor Intrusion Sampling Report (ARCADIS, 2011a).
- March 2011: 68 sub-slab soil vapor samples, 68 indoor air samples, eight ambient air samples, and 16 duplicate samples were tested, and the results were reported to NYSDEC in Vapor Intrusion Sampling Report (ARCADIS, 2011b).
- February – March 2012: 76 sub-slab soil vapor samples, 95 indoor air samples, 13 ambient air samples, and 18 duplicate samples were tested, and the results were summarized in Vapor Intrusion Sampling Report (ARCADIS, 2012).
- February – March 2013: 79 sub-slab soil vapor samples, 98 indoor air samples, 20 ambient air samples, and 19 duplicate samples were tested, and the results were summarized in Vapor Intrusion Sampling Report (ARCADIS, 2013).
- February – March 2014: 61 sub-slab vapor samples, 97 indoor air samples, 13 ambient air samples, and 18 duplicate samples were tested, and the results were presented in the 2014 Soil Vapor/Vapor Intrusion Report (URS 2014a).

- February 11 and March 31, 2015: A total of 108 soil vapor samples were collected from 19 nested wells located inside and outside of the main building and the results were presented in the 2015 Soil Vapor/Vapor Intrusion Report (URS 2015a).

Previous Vapor Intrusion Investigations – LA Fitness

Vapor intrusion investigations began in 2007 at the LA Fitness building with a collection of SSV and IA samples. In 2008, the LA Fitness basement was entered to collect basement SSV samples, and identify if any vapor intrusion mitigation was needed. The 2008 basement SS soil vapor sampling results indicated the presence of low levels of VOCs in the basement space (URS 2015b). Subsequently, a passive SSDS venting system was installed for the basement area in 2010 to reduce the likelihood of SS soil vapor entering in the building. Between 2011 and 2013, two SS vapor samples (SS-LAC8 and SS-14) were collected and results indicated no elevated VOC concentrations under the building. Between 2011 and 2014, three IA samples (IA-13, IA-LAC8, and IA-14) were collected, and the results indicated that indoor air levels of VOCs in the building were often below detection limits or at concentrations comparable to ambient air (URS 2015b).

In 2015, additional VI assessment was performed through the comparison of eight co-located IA and SSV samples collected before and after temporary shutdown of the passive SSDS. This rebound analysis suggested that the passive SSDS should be kept in operation in the unused partial basement of the LA Fitness building. Additional VI monitoring was recommended for the next heating season in 2016. The scope of work proposed herein is a continuation of the 2015 sampling program.

OBJECTIVES OF THE 2016 VAPOR SAMPLING WORK PLAN

The primary intent of the 2016 SV sampling plan is to assess the lateral and vertical distribution of select chemicals of concern (COCs) beneath and outside the main iPark Building and the LA Fitness building at the former Unisys facility. The data will be used to assess the historic and current effectiveness of the SSDS and may provide data to substantiate recommendations for future optimization including concentrating flows in particular areas or potentially mothballing individual EPs from the SSDS network. Lockheed Martin discontinued indoor air monitoring in 2015 based on the NYSDOH VI Guidance (NYSDOH 2006) which states that *“Generally, air monitoring is not recommended if the [mitigation] system has been installed properly and is maintaining a vacuum beneath the entire slab.”* Mothballing herein is defined as shutting down the extraction point and maintaining its operational integrity such that it can be quickly brought back online if site conditions require it.

The site-wide SSDS has remained in continuous operation since September 2013 (URS 2015a) and has been monitored quarterly to verify the differential pressure under the slab. The routine differential pressure monitoring has confirmed that the required -0.004 in. WC differential pressure is being maintained under the slab across the main building and garage with the exception of the extreme

southwest and northwest corners of the main building, which are and have not been impacted by soil vapor (URS 2015a) since 2007. In many cases, especially in the interior of the main building, differential pressure greater than -0.25 in. WC is being maintained. Additionally, the 2014 annual indoor air/SV monitoring event confirmed the effectiveness of site-wide SSDS operations by documenting that site related VOCs exceedances do not exist in indoor air and significant reduction in VOC concentrations in soil vapor is occurring at depths up to at least 20 feet below ground surface compared to previous years (URS 2015a). The SSDS will continue to operate throughout 2015 and beyond. Routine differential pressure monitoring will continue quarterly.

SV Sampling of Existing Nested Multi-Level Sampling Ports

The primary intent of the 2016 SV sampling plan is to assess the lateral and vertical distribution of COCs beneath and outside the existing buildings at the former Unisys facility. The data will be used to assess the current effectiveness of the SSDS, and will provide data to substantiate recommendations for future optimization including potentially mothballing individual EPs from the SSDS network.

SV Sampling for the LA Fitness Building

The purpose of the 2015 vapor intrusion sampling for the LA Fitness Building was to: (1) assess the effectiveness of passive venting system in reducing VOC concentrations in the unused partial basement of the LA Fitness building, (2) identify current VOC concentrations in sub-slab soil vapor and in indoor air, and (3) evaluate the potential for vapor intrusion into the indoor air (URS 2015b). Per the recommendations of the 2015 investigation (URS 2015b), the 2016 sampling plan will be a continuation of the 2015 plan.

Rebound Analysis of Select SSDS EP Shut-Down

An additional component of the 2016 SV Work Plan is an analysis of the effectiveness of the SSDS by evaluating the impact of turning off a sub-set of select EPs. To this end, a rebound analysis will be performed that will rely on paired sub-slab soil vapor (SSV) and indoor air (IA) samples that are to be collected before and after turning off the selected EPs located in the west side (between column 3 and 4) of the iPark Building. Post-shutdown samples will be collected four weeks after the select EPs have been turned off. Sample results will be compared to Matrix 1 and Matrix 2 of the NYSDOH VI Guidance (NYSDOH 2006). If IA and SSV concentrations are below Matrix 1 and Matrix 2 criteria, the EPs may be mothballed and monitoring will continue to be performed to confirm that concentrations remain below criteria. The rebound analysis will refine the conceptual understanding of vapor migration under the influence of the SSDS. This will provide a better understanding of the effectiveness of the SSDS and the influence of individual EPs that can be used to design a strategy for selecting and evaluating the impact of turning off additional EPs.

SAMPLING EVENTS

Three sampling events are proposed to be performed within the 2016 heating season.

1. SV sampling of existing nested sampling ports in and around the iPark Building,
2. SSV and IA sampling for the LA Fitness Building,
3. Paired SSV and IA sampling in the western portion of the iPark building for rebound analysis.

SV Sampling of Existing Nested Multi-Level Sampling Ports

SV sampling will entail sampling soil vapors from the 108 nested SV points (with 11 duplicate samples representing approximately 10%) at 22 locations both inside and outside the iPark Building. The event will sample and analyze soil vapor to assess the vertical and lateral distribution of COCs in soil vapor under and surrounding the iPark Building down to depths of 84 feet (VP-106) at or just above the water table through the network of existing nested multi-level SV sampling points. The SV locations with their nested sampling depths are provided in Table 1; these sampling locations and depths are consistent with those sampled as part of the 2015 SV monitoring program. The locations of the nested SV points are presented in Figure 2. The SV sampling event will be conducted during the heating season as required. In summary, the samples per nested wells are:

INTERIOR LOCATIONS		EXTERIOR LOCATIONS	
Nested Well	Ports	Nested Well	Ports
VP-102	7	VP-1	4
VP-103	8	VP-2	4
VP-104	8	VP-3	4
VP-107	7	VP-3D	4
LIJ-VP-7	6	VP-4	4
FPM-20	2	VP-5	4
VP-8	3	VP-6	4
VP-8D	3	VP-101	3
VP-NYSDEC-5	6	VP-106	7
VP-9	6	VP-108	4
VP-105	7	VP-108D	3
Interior Samples 63		Exterior Samples 45	
TOTAL NESTED PORTS 108		DUPLICATES 11	
TOTAL NUMBER OF SAMPLES 119			

Leak Tests

Leak tests are to be performed on a minimum of 5% of the sampling ports, at 6 locations likely to include VP-5, VP-8D, VP-102, VP-104, VP-106, and VP-108, depending on conditions encountered in the field. An additional consideration will be given to nested wells that may have been compromised. Tetra Tech will use leak-test shrouds specifically designed for this event. The shroud design is consistent with the design

presented in SOP SSDS-27¹ which is included in Appendix A of this Work Plan. Laboratory grade helium will be used for leak-testing which will be conducted using calibrated helium meters with probes. The shroud will have dedicated fittings for helium flow into and evacuated flows out of the shroud as well as a means to sample the helium concentration within the shroud.

Given that many of the areas within the building have finished floors, a compressive rubber seal will be used to seal the shroud with the floor surface. Additional weights will be placed on the shroud to ensure a proper seal. For outdoor sampling, the conditions surrounding the port will determine the type of seal used; bentonite clay has been successfully used in the past and is well suited for grass-covered and asphalt areas. Tetra Tech will remove any materials added to restore the site to its original condition, if necessary, once the sampling is completed.

Per SOP SSDS-27, the helium content within the shroud will be greater than 60% prior to testing. The level of helium in the shroud will be measured through a purpose-built sample port in the shroud using a MGD 2002 Multi-Gas Detector (or equivalent) helium meter. The sample line will then be purged into a Tedlar bag using a low pressure pump that allows better control of the purge rates (typically less than 100 mL/minute as required by the SOP) and reduces the pressure changes in the port that prevents over pressurization due to low-flow conditions. If low-flow conditions are encountered the sampling train will be replaced and the leak test repeated. Once the seal has been verified, the sample train will then be purged of three volumes with the low flow pump. If greater than 10% helium is detected in the purge air, then the fitness of the shroud and sample train will be examined and additional sealing material will be added or pressure applied to the shroud to complete the seal. Once the concentration of helium in the purge air is less than 10%, the leak-test will be considered complete and the helium will be evacuated from the shroud. Details of the leak test will be documented on the field sampling log (Table 2).

The shroud will remain in place to minimize disturbance of the sampling port after the leak-test has been completed. A “T” quick connect fitting (stainless steel or other non-reactive material) with a check-valve will be fitted to the tubing that runs from the port, through the shroud to the pump. The “T” will allow for connections to both the pump and the SUMMA canister. Once the leak-test is complete, the “T” will be switched over to SUMMA canister so that the sample train is complete. Once the “T” has been switched to the SUMMA canister, the canister’s flow controller will be used to control the sample flow into the canister. The flow controller gauge will be checked periodically during sample collection to ensure that the sampling rate has remained stable. For samples where leak testing is not required, the “T” fitting will connect to both the pump (for purging) and the SUMMA canister.

Sample Collection

As discussed, SV sampling will entail sampling soil vapors from the 108 nested SV points (with 11 duplicate samples) at 22 locations both inside and outside the iPark Building. All SV samples will be collected in accordance with the SOP² which is included in Appendix A of this Work Plan. SV samples will be collected

¹ “Lockheed Martin Corporation SOP for Helium Tracer Gas Leak Test for SS Soil Vapor Sampling”

² “Lockheed Martin Corporation SOP for SSDS – Soil Vapor Sampling from Nested Well Sampling Ports”

under normal working conditions with heating, ventilation and cooling (HVAC) systems operational where applicable. All SV samples inside the building will be collected while the SSDS is operational. All samples will be collected in batch certified 6-liter SUMMA canisters equipped with a flow controller. SV samples will be collected over at least a four-hour period.

Additional specifications that will be met before, during and after sample collection include:

- Canisters with initial vacuum greater than 29 inches of mercury recorded at the time of sampling will be rejected,
- Samples will be drawn at the rate specified for the prescribed sampling duration,
- Sample collection will be complete when the remaining vacuum is less than 10 inches of mercury; no samples will be analyzed by the laboratory unless there is a vacuum of at least 6 inches of mercury.
- Duplicates will be sampled concurrently through a split flow connector to ensure both canisters receive the same extracted vapor.

The canister and flow controller numbers will be recorded as will final helium concentrations (shroud and sampling train) from the leak-test (if conducted). Also noted will be temperature and pressure measured by the weather gauge accompanying each sampling crew. Outdoor conditions will also be recorded. Tetra Tech will generate site-specific field logs for each sample; an example of the field sampling log is provided in Table 2.

Canister pressures will be documented at the start and end of each sampling event; date and time that sampling began and ended will also be recorded along with any observations pertinent to the sampling event. Tetra Tech will have a dedicated PID during the sampling event and this will be periodically used to monitor conditions during the event and any excursions will be reported. Sampling locations will be photo-documented at the time of sampling and will include photos of the sampling train (including duplicate set-ups if required).

SSV and IA Sampling for the LA Fitness Building

As previously noted by URS (2015b), the purpose of the 2015 vapor intrusion sampling is to: (1) assess the effectiveness of the passive venting system in reducing VOC concentrations in the unused partial basement, (2) identify current VOC concentrations in sub-slab soil vapor and in indoor air, and (3) evaluate the potential for vapor intrusion into indoor air. The 2016 sampling plan for LA Fitness will build on the 2015 plan and will include sampling sub-slab soil vapor from the basement area and under the building slab, and indoor air sampling at approximately the same locations previously monitored (URS 2015b).

The Work Plan for LA Fitness includes:

1. Collect a SSV sample from the LA Fitness basement area without entering the basement, while the passive SSDS is in operation.
2. Collect eight IA samples (plus one duplicate) from the LA Fitness building, and one outdoor ambient air (AA) sample.

3. Perform a visual inspection of the exposed passive SSDS piping including anchors, brackets, pipe, pipe penetrations, rain caps and wind turbine to check their current conditions (without accessing the basement area);
4. Shut down the LA Fitness passive SSDS by capping the inlet and exhaust piping for a period of four weeks to allow SS soil vapor to stabilize underneath the LA Fitness building.
5. After four weeks of temporary shutdown of the LA Fitness passive SSDS, collect SSV and IA samples from the same locations that IA samples were collected prior to the shut-down.

Details of the sampling locations are provided in Table 3.

LA Fitness Sampling – Prior to Passive SSDS Shutdown

One initial SSV (basement IA-12) sample will be collected from the LA Fitness basement area while the passive SSDS is operational. Sample IA-12 is considered a SSV sample rather than an IA sample because the basement is completely closed and unconnected to any indoor spaces. As with previous sampling events, the basement air sample will be collected through the hatch leading to the basement area without entering the basement space. Previous attempts to drill a hole through the hatch to insert a sampling port have proved unsuccessful. The method employed in 2015 involved opening the hatch to insert a hard Teflon sampling tube and sealing the remaining opening with low VOC hard plastic and tape. A similar approach is proposed for 2016. The temporary sampling port will be secured with appropriate covering and signage to indicate the presence of the sampling port.

In addition, eight IA samples will be collected from the LA Fitness building while the passive SSDS is operational. These IA samples will be consistent with the locations of the 2015 sampling event:

LA Fitness Indoor Air Samples

IA-13
IA-14
IA-LAC8
IA-E6
IA-E15
IA-F11
IA-H2
IA-H21

One duplicate IA sample and two ambient samples will be collected concurrent with IA samples. The SSV, IA, and ambient samples will be collected in accordance with SOPs and consistent with previously used methods. The locations of the LA Fitness samples are shown in Figure 3.

LA Fitness Passive SSDS Vent Inspection

A visual inspection will be performed of the passive SSDS piping without entering into the basement space. The inspection will be conducted on both inlet and outlet piping, and will include visual conditions checks on anchors, brackets, pipe, pipe penetrations, rain caps and wind turbine. A manlift will be used to examine the pipe and connections at height. In addition, a PID will be used to screen for VOC vapors from

pipe connections and penetrations. Three vapor readings will be collected from sampling port located on the outlet pipe using the PID. Readings will be taken approximately every two hours over a six hour period. The passive SSDS vent inspection will be conducted in accordance with SOPs. Photographs will be collected during visual inspection.

LA Fitness Passive SSDS Shutdown

After the completion of vent inspection and initial sampling round, the passive SSDS will be temporarily shut down for approximately four weeks. The locations of passive SSDS inlet and outlet vents are presented in Figure 3. Since both inlet and exhaust vent piping run through the building roof, a manlift will be used to cover pipe ends with caps. The temporary shutdown of passive SSDS will allow the vapors within the basement area to stabilize.

Post-Shutdown Sampling

Four weeks after the temporary shutdown of the passive SSDS, one SSV (basement IA-12) sample will be collected from the LA Fitness basement. The sample will be collected without entering into the basement space using the same method employed prior to shutting down the passive SSDS. Seven additional SSV and eight paired IA samples (plus one duplicate) will be collected.

The proposed IA and SS samples are listed below:

Indoor Air (IA)	Sub-Slab Vapor (SSV)
IA-13	IA-12 (basement)
IA-C1	SS-C1
IA-C20	¹ SS-C20
IA-D7	² SS-D7
IA-E10	SS-E10
IA-E16	SS-E16
IA-G5	SS-G5
IA-H21	SS-H21

¹ Formerly, SS-14

² Formerly, SS-LAC8

As SSV monitoring points SS-14 and SS-LAC8 were found to be damaged during the 2015 event (URS 2015b), they were replaced by new monitoring points SS-C20 and SS-D7, respectively in the approximate vicinity of original locations. The IA samples have been renamed to similarly reflect the change in sample ID. A duplicate IA sample will also be collected and its co-location will be determined at the time of the event. One ambient air sample per day of sampling will be collected outdoor and upwind of the LA Fitness building during the event. The locations of the LA Fitness samples are shown in Figure 3.

Leak Tests

Leak tests are to be performed on a minimum of 5% of the SSV sampling ports, likely at location SS-H21, depending on conditions encountered in the field. Tetra Tech will use leak-test shrouds designed for this

event. The shroud design is consistent with the design presented in SOP SSDS-27³ (included in Appendix A of this Work Plan). Laboratory grade helium will be used for leak-testing and will use a calibrated helium meters with a fitted probe. The shroud will have dedicated fittings for helium flow into and evacuated flows out of the shroud as well as a means to sample the helium concentration within the shroud.

Given that many of the areas within the LA Fitness Building are finished spaces, a compressive rubber seal will be used to seal the shroud with the floor surface. Additional weights will be placed on the shroud to ensure the seal. Per SOP SSDS-27, the helium content within the shroud will be greater than 60% prior to testing. The level of helium in the shroud will be measured through a purpose-built sample port in the shroud using a calibrated helium meter. The sample line will then be purged into a Tedlar bag using a low pressure pump that allows for better control of the purge rates (typically less than 100 mL/minute as required by the SOP) which reduces the potential of sub-slab over pressurization due to low-flow conditions. If low-flow conditions are encountered the sampling train inspected and will be replaced. Once the seal has been verified, the sample train will then be purged of three volumes with the low flow pump. If greater than 10% helium is detected in the purge air, then the fitness of the shroud and sample train and the seal will be examined and additional weight will be applied to the shroud. Once the concentration of helium in the purge air is less than 10%, the leak-test is considered complete and the helium will be evacuated from the shroud. Details of the leak test will be documented on the field sampling log (Table 2).

The shroud will remain in place to minimize disturbance of the sampling port after the leak-test has been completed. A “T” quick connect fitting (stainless steel or other non-reactive material) with a check-valve will be fitted to the tubing that runs from the port, through the shroud to the pump. The “T” will allow for connections to both the pump and the SUMMA canister. Once the leak-test is complete, the “T” will be switched over to SUMMA canister so that the sample train is complete. Once the “T” has been switched to the SUMMA canister, the canister’s flow controller will be used to control the sample flow into the canister. The flow controller gauge will be checked periodically throughout the sampling event to ensure that the sampling rate has remained stable.

Sample Collection

A total of 7 SS and 20 IA samples (including two duplicate samples) will be collected before and after EP shut-down. The SSV will be collected in Batch Certified canisters and IA samples will be collected in Individually Certified canisters. Both SSV and IA canisters will be equipped with flow controllers calibrated for 8 hours of collection time. Concurrent with the indoor air sampling, one ambient air sample will be collected during each 8-hour sampling period. The ambient sample would be located outside and a sampling day assessment would be conducted so as to consider weather conditions and potential influences of exterior sources before a location is selected.

³ Lockheed Martin Corporation SOP for Helium Tracer Gas Leak Test for SS Soil Vapor Sampling”

All SSV, IA and ambient samples will be collected in accordance with SOP^{4,5} (Appendix A) and consistent with previously used methods. For IA sampling locations, the NYSDOH “*Indoor Air Quality Questionnaire and Building Inventory*” form will be completed (NYSDOH 2006). Samples will be collected under normal working conditions with heating ventilation and cooling (HVAC) systems operational where applicable. Duplicate SSV samples will be collected using a split flow connection where both canisters are filled from the same source at the same time.

Additional specifications that will be met before, during and after sample collection include:

- Canisters with initial vacuum greater than 29 inches of mercury recorded at the time of sampling will be rejected,
- Samples will be drawn at the rate estimated for the sampling duration,
- Sample collection will be complete when the remaining vacuum is less than 10 inches of mercury; no samples will be submitted for analysis unless there is a vacuum of at least 6 inches of mercury.
- SSV Duplicates will be sampled concurrently through a split flow connector to ensure both canisters receive the same extracted vapor.

Canister pressures will be documented at the start and end of each sampling event; date and time that sampling began and ended will also be recorded along with any observations pertinent to the sampling event. Also noted will be time, temperature and pressure (measured by the weather gauge). Tetra Tech will have a dedicated PID during the sampling event and this will be used periodically to monitor conditions during the event and any excursions will be documented. The IA and ambient canisters will be placed on a platform to ensure that the sampling port is within the breathing zone (3 to 5 feet above ground). Sampling locations will be photo-documented at the time of sampling and will include photos of the sampling train (including duplicate set-ups if required).

The canister and flow controller numbers will be recorded. Final helium concentrations (shroud and sampling train) from the leak-test will be recorded. Also noted will be temperature and pressure measured by a weather gauge. Outdoor conditions will also be recorded. Tetra Tech will generate site-specific field logs for each sample; an example of the field sampling log is provided in Table 2.

Paired SSV and IA Sampling for Rebound Analysis – iPark Building

To evaluate the effectiveness of the SSDS in the west side of the iPark Building, an assessment of COC rebound is proposed as part of the 2016 Work Plan. Seven EPs located between building columns 3 and 4 have are proposed for the rebound analysis and paired SSV and IA samples will be collected before turning off the selected EPs and again after a four week period at which time the selected EPs will be turned on again until the data have been received and validated and an assessment has been made as to whether the EPs can remain off, based on the results of the rebound study. The intent of the SSV and IA pairs is to assess the rebound potential if the EPs can be mothballed; additional testing may be necessary

⁴ “Lockheed Martin Corporation SOP for Sub-Slab Soil Vapor Sampling”

⁵ “Lockheed Martin Corporation SOP for Indoor and Ambient Air Sampling”

to assess the efficacy of removing these selected EPs from the SSDS. The selected EPs proposed for shut-down are identified in Figure 4 and are listed below:

Selected EPs to be Shut Down for Rebound Analysis

EP-C03
EP-E04
EP-G03
EP-I04
EP-K03
EP-M04
EP-O03.5

The rebound analysis will rely on a total of twenty-four paired SSV and IA samples (24 SSV and 24 IA with 3 duplicates each). Twelve paired SSV and IA samples will be collected prior to shut-down and the results from these samples will be compared to the 12 paired SSV and IA samples collected after the 4 week shut-down period. The IA samples will be physically and temporally co-located with the SSV samples. The SSV locations selected for the analysis and the rationale for their selection is presented below.

Rationale for Mothballing Select Extraction Points from the SSDS

To assess the reduction of soil vapor concentrations in the west portion of the iPark Building since turning on the SSDS, historical concentration profiles for the three primary COCs (carbon tetrachloride, PCE and TCE) were generated for the four nested wells (LIJ-VP7, VP-102, VP-103 and VP-104) located in the west-half of the building (west of building column 10). For completeness, methylene chloride was also included however given its potential as a laboratory contaminant, the profiles were not examined in detail.

Figures 5-a through 5-d present the historical concentration profiles for the selected COCs from nested wells LIJ-VP7, VP-102, VP-103 and VP-104, respectively. These profiles utilize available historic data beginning in March 2009 and include data from the March 2015 event. Note that not all nested wells were sampled during each event and some of the shallow intervals were not sampled in March 2013; these samples are identified as “NA”. The data used for the analysis was parsed from existing data tables. Duplicate samples were averaged and non-detect data are identified as “ND”.

The seven EPs selected for the rebound analysis are located in the west side of the iPark Building between building columns 3 and 4. As noted by URS (2015a), PCE and TCE concentrations at the two nested wells (VP-102 and VP-103) located closest to the seven selected EPs have remained low.

- TCE concentrations at VP-102 have dropped across all sampling depths since 2011. Historically, the highest concentrations were at depth with the highest concentration (1,300 ug/m³) at 61.5 feet (March 2011). TCE concentrations within the shallower zones (4.5', 8.5' and 19.5') were all less than or equal 620 ug/m³ in March 2011. TCE concentrations declined over the past 4 years and the latest sampling at VP-102 has reported concentrations at or below 650 ug/m³ for the deeper zones (51.5', 57.5', 61.5' and 73.5'). Of importance, 2015 concentrations within the shallow zones (4.5', 8.5' and 19.5') range from non-detect (at 4.5') to 1.4 ug/m³ (at 19.5'). These concentrations are well below NYSDOH VI Guidance levels from Matrix 1 for no further action.

- Similarly for PCE at VP-102, concentrations in the deeper zones have been declining to current concentrations that are less than or equal to 365 ug/m³ from concentrations reported in 2011 which were as high as 675 ug/m³. More importantly, the concentrations within the shallow zones (4.5', 8.5' and 19.5') range from non-detect to 2.4 ug/m³ which are below the Matrix 2 no further action levels.
- A similar pattern is evident at VP-103 with TCE concentrations at depth (30', 40' 50', 61.5' and 74.5') declining from concentrations less than or equal to 650 ug/m³ (March 2011) to less than or equal to 430 ug/m³ in 2015. Concentrations at shallow depths (5' and 10') have dropped by orders of magnitude and are currently at or below 2.4 ug/m³. Concentrations in the intermediate zone at a depth of 20' have reported concentrations of 170 ug/m³ for the past two events; however the interval above (at 10') have concentrations that are orders of magnitude lower. These observations reinforce the understanding that soil vapor quality has improved throughout the 0-20' zones.
- Similarly for PCE at VP-103, concentrations in the deeper zones have been declining and are less than or equal to 150 ug/m³. In 2011, concentrations were as high as 240 ug/m³. More importantly, the concentrations within the shallow zones (5', 10' and 20') range from non-detect to 39 ug/m³ which are below the Matrix 2 no further action levels.

Observations from the other nested SV sampled along with general conclusions include:

- The highest TCE and PCE concentrations from the four nested wells selected for the analysis was reported at LIJ-VP-7 (100,500 ug/m³ for TCE and 58,500 ug/m³ for PCE). The nested well is located towards the center of the building, in the areas of expected high soil vapor concentrations and well removed from the area proposed for the rebound study and not likely to be under the influence of the selected EPs.
- The high TCE and PCE concentrations reported for LIJ-VP-7 (Figure 5-a) were at depth and concentrations in their shallowest interval (5 feet) are orders of magnitude lower. High concentrations at depth show limited vertical migration therefore are unlikely to impact the select EPs. The concentrations reported at LIJ-VP-7 are far removed from the EPs proposed for shut-down and any migrating vapor is likely to be intercepted by EPs closer to this location.
- Concentrations in TCE and PCE at wells VP-102 (Figure 5-b) and VP-103 (Figure 5-c) which are closest to the EPs selected for shut-down are orders of magnitude lower than LIJ-VP-7. These nested wells are more likely to accurately represent soil vapor under the influence of the seven EPs selected for shut-down and as noted by URS (URS 2015a), PCE and TCE concentrations at these two nested wells have historically remained low.
- Well VP-104 represents one of the furthest wells likely to be influenced by the seven EPs selected for shut-down. As shown in Figure 5-d, the concentrations of TCE, PCE and carbon tetrachloride at VP-104 have been consistently declining over the last three years. Vertically, there has been a dramatic decline in PCE and TCE concentrations, particularly in March 2015, and while the profiles

were relatively flat in the deeper zones (30, 40, 50 and 62 feet) in the early years (prior to 2015), the latest profile shows significant reduction in all zones with limited elevated concentrations only at depth (≥ 50 feet).

In general, the high concentration areas in the central portion of the iPark Building (as noted at LIJ-VP-7) are unlikely to be under the influence of the selected seven EPs. Wells VP-102 and VP-103 are closest to the EPs selected for shut-down and report COC concentrations that are orders of magnitude lower. These nested wells (VP-102 and VP-103) more accurately represent soil vapor under the influence of the seven EPs selected for shut-down and have historically remained low. The vertical COC concentration profiles at VP-102 and VP-103 exhibit very little change in concentration with respect to depth; the lack of vertical gradient indicates that there is little to no vertical migration and therefore limited impact to indoor air. In general, the shut-down of the EPs in the west portion of the iPark Building (between columns 3 and 4) should not impact areas of elevated indoor air concentrations.

One of the recommendations of the 2015 Soil Vapor Monitoring Report (URS 2015a) was to evaluate whether the extraction points in the vicinity of VP-102 and VP-103 could be temporarily shut-off based upon an assessment of rebound study. The trends both temporally and spatially show that TCE and PCE concentrations in the shallower zones within the area selected for EP shut-down have reached no further action levels when compared to Matrix 1 and Matrix 2 of the NYSDOH VI Guidance (NYSDOH 2006). The vertical profiles from the two nested wells adjacent to the selected EPs show soil vapor concentrations in the shallow zones that has dropped significantly since 2011 and are orders of magnitude lower than concentrations at depth. In addition, as will be presented and discussed below, concentrations in SSV samples collected from sub-slab monitoring points located between building columns 3 and 4 are historically low. These lines of evidence to substantiate recommendations for future optimization including mothballing the EPs from the SSDS network if concentrations in SSV remain below NYSDOH VI Guidance Matrix 1 and Matrix 2 criteria.

Selection of Paired SSV and IA Locations for Rebound Analysis

To evaluate the effect of the shut-down of the seven selected EPs, paired SSV and IA samples will be collected before turning off the selected EPs and again after a four week period at which time the selected EPs will be turned on again during analysis and evaluation of the data. The paired SSV and IA sample locations were selected based on a review of historical sampling data for both TCE and PCE; as has been shown earlier, the concentrations of carbon tetrachloride are generally low. SSV locations within the iPark Building are shown in Figure 6; there are twenty-five current and historical SSV locations located in the west portion of the building between building columns 1 and 10.

Of the twenty-five locations, 16 have adequate data coverage. A detailed analysis of the historical data was conducted on the data from these 16 SSV locations. A summary of the data available for each of these locations is provided in Figures 7a through 7c and the SSV locations selected for the rebound analysis are also identified. The basis and rationale for their selection are discussed below.

- Figure 7-a presents the trends for the SSV locations in the north quadrant located between building rows A and G; these SSV locations are closest to selected EP locations EP-C03, EP-E04 and EP-G03. The TCE and PCE concentrations shown in Figure 7-a. TCE are generally declining; there is only a single event for SS-C4 with a reported concentration of 4.2 ug/m³ and two events at SS-G4, both reported as non-detect for TCE. Similarly for PCE, there is only a single event for SS-C4 in 2012 with a reported concentration of 8.6 ug/m³ and two events at SS-G4, with a reported non-detect in 2012 and 1.6 ug/m³ in 2013. SSV location **SS-C1** which is located close to the west wall shows a relatively flat trend indicating that equilibrium conditions may be present; this location would represent a good measure of the range of influence of EP-C03 and the boundary condition imposed by the building.
- As shown in Figure 7-a, TCE and PCE concentrations at **SS-A3** and **SS-7** are also declining with a precipitous decline at SS-7. Both locations provide adequate coverage of the influence of EP-C03 and EP-G03 and SS-7 would be excellent to assess the magnitude of potential rebound. Historical data for **SS-C4** was limited to a single event however its proximity to EP-C03 warrants its selection.
- For the two rounds of sampling data available for **SS-G4**, TCE was not detected and PCE detections were limited to a single event. Even with this paucity of data, this SSV location would provide an excellent benchmark for the magnitude of rebound as it relates to a relatively un-impacted location.
- Figure 7-b presents the trends for the SSV locations in the central quadrant located between building rows G and L. TCE and PCE concentrations are generally declining with the exception of SS-I5; only two sampling rounds were available for this location so this may not be reflective of long-term trends. As SSV location SS-I1 is already adequately covered by SS-33 and SS-I3, it was not selected for rebound analysis. **SS-I3** was selected given its location between EP-I04 and EP-K03; rebound data could then be compared to other locations within the quadrant to better understand the effect of each EP. Similarly, **SS-15** and **SS-33** were selected given their proximity to EP-I04 and EP-K03, respectively. SS-33 also shows steady declining trends (Figure 7-b) and would provide a benchmark as to the magnitude of deviation. Location **SS-K4** was also selected despite limited historical data; however its proximity to EP-K03 would help understand the range of influence of this EP.
- For SSV locations within the south quadrant located between building rows L and Q, TCE and PCE trends are presented in Figure 7-c. While SS-M1 does show a trend and would be a good representation of boundary conditions, the area is adequately covered by **SS-M3**; an additional advantage of SS-M3 is its proximity to EP-M04. Similarly **SS-M5** was selected for its proximity to EP-M04; this SSV location would also serve as a means to assess the range of influence of the extraction point. SSV location **SS-P3** provides an assessment of the influence of EP-O03.5.

Table 4 highlights the selected SSV locations and provides a summary of the rationale for their selection. Sample locations SS-A102, SS-M1 and SS-Q5 were not selected however these would be considered as alternatives in situations where one of the primary locations was compromised.

With regard to indoor air samples, IA's will be co-located with the SSV sample locations as best as possible given physical constraints. IA sampling would also be concurrent with SSV samples to ensure temporal consistency.

Post-shutdown samples will be collected four weeks after the select EPs have been turned off from the same twelve SSV and IA locations. After the post shut-down sampling, the EPs selected for the study will be turned on again.

Leak Tests

Leak tests are to be performed on a minimum of 5% of the SSV sampling ports (approximately 3 locations). The locations selected for leak-tests will be based on a review of prior locations that were leak-tested with the goal to select ports that have not been previously checked and also SSVs that may have been compromised. Tetra Tech will use leak-test shrouds designed for this event. The shroud design is consistent with the design presented in SOP SSDS-27⁶ (Appendix A). Laboratory grade helium will be used for leak-testing that will be conducted using calibrated helium meters with probes. The shroud will have dedicated fittings for helium flow into and evacuated flows out of the shroud as well as a means to sample the helium concentration within the shroud.

Given that many of the areas within the building are finished spaces, a compressive rubber seal will be used to seal the shroud with the floor surface. Additional weights will be placed on the shroud to ensure the seal. Per SOP SSDS-27, the helium content within the shroud will be greater than 60% prior to testing. The level of helium in the shroud will be measured through a purpose-built sample port in the shroud using a calibrated helium meter. The sample line will then be purged into a Tedlar bag using a low pressure pump to purge the line which allows better control of the purge rates (typically less than 100 mL/minute as required by the SOP) thereby reducing pressure changes in the port and preventing over pressurization due to low-flow conditions. If low-flow conditions are encountered the sampling train will be replaced. Once the seal has been verified, the sample train will then be purged of three volumes with the low flow pump. If greater than 10% helium is detected in the purge air, then the fitness of the shroud and sample train will be examined and additional weight will be applied to the shroud. Once the concentration of helium in the purge air is less than 10%, the leak-test is complete and the helium will be evacuated from the shroud. Details of the leak test will be documented on the field sampling log (Table 2).

The shroud will remain in place to minimize disturbance of the sampling port after the leak-test has been completed. A "T" quick connect fitting (stainless steel or other non-reactive material) with a check-valve will be fitted to the tubing that runs from the port, through the shroud to the pump. The "T" will allow for connections to both the pump and the SUMMA canister. Once the leak-test is complete, the "T" will be switched over to SUMMA canister so that the sampling train is complete. Once the "T" has been switched to the SUMMA canister, the canister's flow controller will be used to control the sample flow into the canister. The flow controller gauge will be checked periodically throughout the sampling event to ensure that the sampling rate has remained stable.

⁶ Lockheed Martin Corporation SOP for Helium Tracer Gas Leak Test for SS Soil Vapor Sampling"

Sample Collection

A total of 12 SSV and 12 IA samples will be collected before and the same 12 SSV and 12 IA samples will be collected after EP shut-down (a total of 24 SSV and 24 IA samples for the rebound analysis). In addition, 3 SSV and 3 IA duplicate samples will also be collected at the required 10 percent frequency. The SSV samples are to be collected in Batch Certified canisters with flow controllers calibrated for 8 hours of collection time. The IA samples will also be collected over the same 8-hour period however the 6 Liter SUMMA canisters for IA samples will be Individually Certified. Concurrent with the indoor air sampling, one ambient air sample will be collected during each 8-hour sampling period. The ambient sample would be located outside the west portion of the building consistent with the selected IA locations, however a sampling day assessment would be conducted to consider weather conditions.

All SSV, IA, and ambient samples will be collected in accordance with SOPs^{7,8} (Appendix A) and consistent with previously used methods (URS 2015a). Samples will be collected under normal working conditions with an operational HVAC system. Duplicate SSV samples will be collected using a split flow connection where both canisters are filled from the same source at the same time. For IA sampling locations, the NYSDOH *"Indoor Air Quality Questionnaire and Building Inventory"* form (NYSDOH 2006) will be completed.

Additional specifications that will be met before, during and after sample collection include:

- Canisters with initial vacuum greater than 29 inches of mercury recorded at the time of sampling will be rejected,
- Samples will be drawn at the rate specified for the sampling duration,
- Sample collection will be complete when the remaining vacuum is less than 10 inches of mercury; no samples will be submitted for analysis unless there is a vacuum of at least 6 inches of mercury.
- SSV duplicates will be sampled concurrently through a split flow connector to ensure both canisters receive the same extracted vapor.

Canister pressures will be documented at the start and end of each sampling event; the date and time that sampling began and ended will also be recorded along with any observations pertinent to the sampling event. Also noted will be temperature and ambient pressure (measured by the weather gauge). Tetra Tech will have a dedicated PID during the sampling event and this will be used periodically to monitor conditions during the event and any excursions will be reported. The IA and ambient canisters will be placed on a platform to ensure that the sampling port is within the breathing zone (3 to 5 feet above ground). Sampling locations will be photo-documented at the time of sampling and will include photos of the sampling train (including duplicate set-ups if required).

The canister and flow controller numbers will be recorded on the field log (Table 2). Final helium concentrations (shroud and sampling train) from the leak-test will be recorded (if fit test conducted for a given sample). Also noted will be temperature and pressure measured by a weather gauge. Outdoor

⁷ "Lockheed Martin Corporation SOP for Sub-Slab Soil Vapor Sampling"

⁸ "Lockheed Martin Corporation SOP for Indoor and Ambient Air Sampling"

conditions will also be recorded. Tetra Tech will generate site-specific field logs for each sample; an example of the field sampling log is provided in Table 2.

LABORATORY ANALYSIS AND DATA VALIDATION

The sample canisters (SV, SSV, IA and ambient) will be picked up by the laboratory for analysis at the end of each sampling day. All laboratory-provided chains of custody will be completed and all field observations made during sampling will be documented. Samples will be submitted to a New York State accredited laboratory for analysis using USEPA Method TO-15 (modified) and will include analyses for Freon 22 and Freon 115. A list of analytical parameters is provided in Table 5; this list is consistent with earlier sampling events with the inclusion of Freon 115 (chloropentafluoroethane).

Tetra Tech will maintain custody of the canisters during each sampling event. Chains of custody will be completed following the completion of each sample. Sample results will be validated by Tetra Tech for the QA/QC parameters in accordance with New York State Analytical Services Protocol (NYS ASP) Category B/USEPA Level IV data deliverables. The Data Usability Summary Report (DUSR) will be prepared using the applicable State and site-specific documents for this project. The objective of data validation is to identify any questionable or invalid laboratory measurements. One DUSR will be prepared for each sample data package or group issued by the designated laboratory for the vapor intrusion sampling event. The sample validation will be completed within four weeks of receipt of sample results from the laboratory. Tetra Tech will submit the data in EDD format to NYSDEC within 14 calendar days of data validation.

REPORTING

Following the completion of field work and the receipt of all validated analytical data, Tetra Tech will generate:

1. Updates to all sampling results tables;
2. Letters to property owners and tenants;
3. The Annual Monitoring Report.

Updated Sampling Results Tables

Tetra Tech will update historical data tables from past sampling events with data from the 2016 event. The historical data is to include all nested SVs along with the SSV, IA and ambient data. Currently, data for iPark and LA Fitness are maintained separately, and will continue to do so in 2016. Data will be integrated into a database and will include the results for the 2016 sampling event once the data has been validated. The database will be parsed to generate tables for the report that present the results of past and current sampling events for both iPark and LA Fitness. In addition, the data will be parsed by tenant space to generate tables to accompany owner and tenant letters. Similarly, site figures that were included in the 2015 Vapor Intrusion Reports for iPark (URS 2015a) and LA Fitness (URS 2015b) will be updated.

Letters to property owners and tenants

Letters will be prepared that summarize the sampling results for both tenants and property owners. Letters prepared for each property owner will only include the results of the 2016 SV Sampling Event. The letters will include a site figure that shows the location of the SV sampling points and the accompanying table will present the results for the 2016 SV Sampling Event for each location.

Letters will also be prepared for each tenant where an indoor air sample was collected. Only IA data for samples collected in the leased space for that particular tenant will be presented. The letter will include a site figure that shows the IA sampling location and an accompanying table will present the IA results for those locations identified as being within the tenant's leased space.

For both letters (owner and tenant), the draft letters will be submitted to NYSDEC for comment. Letters are to be submitted to the owners and tenants within 30 days after the data has been validated.

Annual Monitoring Report – iPark and LA Fitness

The Annual Monitoring Report will present and discuss the results of the 2016 SV sampling event and will also include the SSV and IA results (along with ambient sampling results) used to assess rebound. A similar compilation of SSV and IA results from the LA Fitness sampling event will be included in a separate section of the report. Once assessed, the results of the rebound analyses (for both iPark and LA Fitness) will be used to provide justifications for any recommended changes in their respective SSDS networks. A separate section of the report will present the results of the visual inspection of the LA Fitness passive SSDS system. This section will document any observations of concern from the checks performed; vapor readings collected from the sampling port will be tabulated and reported.

Details of Sampling Events

A detailed description of each sampling event will be provided within separate sections of the report. Each section will summarize the requirements of the approved SV Work Plan and discuss the activities conducted for each sampling event. The section will highlight the sampling activities, field observations, SSDS operations (both the active system at iPark and the passive system at LA Fitness) and any other information pertinent to establishing the multiple lines of evidence (MLE) necessary to interpreting the results.

A description of the sampling location and its environs including the condition of the sampling port and any pertinent observations from the leak-test (if conducted for that location) can help identify any issues that may have a bearing on the result. Observations may help identify potential background sources which could influence IA and ambient results and identify changes in physical characteristics that may introduce variability from previous sampling events. For IA sampling locations, the NYSDOH *"Indoor Air Quality Questionnaire and Building Inventory"* form (NYSDOH 2006) will be completed and any pertinent observations will be discussed. Other significant factors to be documented and discussed may include:

1. A reconnaissance of infrastructure in the vicinity of the sampling location including any indications of recent construction;
2. An understanding of the area's current uses particularly any changes since the last sampling event such as the presence of sensitive populations (e.g., child care),
3. Identify any ongoing construction or operations that could influence air flow or introduce potential background sources;
4. Identify potential preferential pathways for vapor to migrate into the building including cracks, floor penetrations, or discontinuities in the floor that are unobtrusively visible and evident;
5. Identify and document any materials used by tenants that could represent a potential background source. This information will be used in the MLE approach when reviewing the IA and ambient results. Field screening instrument (e.g. PID) will be used to scan for any background sources at the time of sampling;
6. Performance data for the EPs (including recorded vacuum conditions) for the days of the sampling event will also be reviewed as representative of conditions under the slab;
7. A review of the operation and performance of the SSDS (both the active system at iPark and the passive system at LA Fitness) prior to and during the sampling event. This may include information from the maintenance and monitoring tasks of the SSDS operations that could be of importance.

A field log provides a detailed recording of the parameters of importance from the sampling event and observations will be summarized and included in the report if there are any significant issues. The canister and flow controller numbers will be recorded. Also noted will be temperature and pressure readings measured by a portable weather gauge at the beginning and end of each sampling event. Canister pressures will be documented at the start and end of each sampling event; the date and time that sampling began and ended will also be recorded along with any observations pertinent to the sampling event. A dedicated PID will be available during the sampling event and this will be used to periodically monitor conditions and any excursions will be reported.

Data Presentation

Once all the sampling data has been received and validated, site figures will be generated that show all the nested SV sampling locations and their results. Along with the current sampling data, historical SV data will be included in the report and presented in the accompanying figures. For simplicity, the results presented in the figures will be limited to TCE and PCE, which are the primary COCs; the tables will include all parameters listed in Table 5. The details of the database have been discussed above and these will be used to generate the figures and tables for the report. Tables in the report will present the nested SV sampling results from previous and current sampling events.

For the iPark assessment of rebound, the figures will highlight those SSV/IA paired locations selected for the assessment. Before and after detected concentrations for the primary COCs will be tabulated and estimates of the magnitude of change will be provided. These tables will also present the SSV, IA and

ambient sampling from previous sampling events for the SSV/IA paired locations. Similar tables and figures will be generated for the rebound assessment for the LA Fitness Building before and after the shut-down of the passive SSDS system.

Data Analysis and Recommendations

A comparative analysis of the results of the 2016 sampling events with available data from past sampling events will be conducted. The intent is to assess changes in the lateral and vertical distribution of COCs beneath and outside the existing buildings at the former Unisys facility. The data will be used to assess the effectiveness of the SSDS and to provide data and analyses to substantiate recommendations for future optimization including mothballing the EPs that were included in the rebound study from the SSDS network if concentrations in SSV remain below NYSDOH VI Guidance Matrix 1 and Matrix 2 criteria (NYSDOH 2006) and potentially mothballing additional individual EPs from the SSDS network in the future.

All available data will be analyzed to:

1. Compare with the appropriate NYSDOH criteria for evaluating soil vapor intrusion including comparison of results with Matrix 1 and Matrix 2 of NYSDOH VI Guidance (NYSDOH 2006).
2. Present both lateral and vertical extent of the primary COC concentrations under and adjacent to the former Unisys facility. The extents will be compared with historical data to evaluate potential changes.
3. Along with the historical data, temporal trends for the primary COCs by sampling location will be assessed. The assessment may include the use of statistical analysis assuming that there are sufficient data to be statistically relevant.

Effective presentation and analysis of data is of particular importance for the rebound analyses. The rebound assessment requires a means to convey the before and after condition from the selected pairs of SSV and IA samples. The data collected for the rebound analysis will be reviewed with earlier sampling data to assess changes in COC concentrations. Similarly, COC signatures between the paired SSV and IA samples will be compared. Discrepancies in signatures may be an indication of background sources and this information will be reviewed using multiple lines of evidence and in context with the sampling observations to assess if there are potential background interferences.

The data from the IA and SSV pairs from before and after SSDS shutdown will be presented both in tabulated form and graphically. The magnitude of the change from before and after will be compared. In addition, both pre- and post- shut-down concentrations will be compared with historical data. In addition to the presentation of data, an assessment of trends (if the sample sizes are viable) using available data from all past sampling events to better understand changes will be conducted.

As noted, the intent of the rebound analysis is to refine the conceptual understanding of vapor migration under the influence of the SSDS and to test whether some points can be mothballed.. The data will provide a better understanding of the effectiveness of the SSDS and the influence of individual EPs that will be used to justify mothballing the EPs included in the rebound study from the SSDS network and to

design a strategy for selecting and evaluating the impact of turning off other sub-set(s) of EPs in the future. The report will address the effectiveness of the SSDS and provide data to substantiate recommendations for mothballing EPs in the western portion of the building from the SSDS network and future optimization of the SSDS including potentially removing additional individual EPs from the SSDS network, if appropriate based on the data obtained.

A summary of the proposed 2016 sampling events is presented below:

SUMMARY OF 2016 SAMPLING EVENTS^{1,2}

EVENT	Sample	Field Samples	Duplicates	Ambient	Canister Certification	Sampling Time (Hours)
SV Sampling of Existing Nested Multi-Level Sampling Ports - iPark						
Annual	Nested Soil Vapor (SV)	108	11		Batch	4
iPark EP Shutdown Rebound Analysis						
	Sub-Slab Soil Vapor (SSV)	24	3		Batch	8
	Indoor Air (IA)	24	3	4	Individual	8
Sampling for the LA Fitness Building						
Prior to Passive SSDS Shutdown	IA Surrogate for SS from Basement	1			Batch	8
	Indoor Air (IA)	8	1	2	Batch	8
After Passive SSDS Shutdown	IA Surrogate for SS from Basement	1			Batch	8
	Indoor Air (IA)	8	1	2	Batch	8
	Sub-Slab Soil Vapor (SSV)	7			Batch	8

1. All samples will be collected using a six (6) liter SUMMA® canister with dedicated flow controller calibrated for required sampling time.
2. All samples will be analyzed for the TO-15 (USEPA Method TO-15 Modified) and for Freon 22 and Freon 115.

REFERENCES

- ARCADIS 2008. Vapor Intrusion Sampling Report and Sampling Work Plan, December 2008
- ARCADIS 2009a. Vapor Intrusion Sampling Report, August 2009
- ARCADIS 2009b. Perched Water and Vapor Intrusion Source Investigation, November 2009.
- ARCADIS 2011a. Vapor Intrusion Sampling Report, May 2011
- ARCADIS 2011b. Vapor Intrusion Sampling Report, June 2011
- ARCADIS 2012. Vapor Intrusion Sampling Report, September 2012
- ARCADIS 2013. Vapor Intrusion Sampling Report, July 2013
- NYSDOH, 2006. New York State Department of Health, Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Bureau of Environmental Exposure Investigation, October 2006.
- URS 2015a. Soil Vapor Intrusion Monitoring Report 2015. Former Unisys Facility Site No. 130045 iPark Building. 1111 Marcus Avenue, Lake Success, NY. July 10, 2015.
- URS 2015b. Vapor Intrusion Monitoring Report 2015. LA Fitness and Powerhouse. Lockheed Martin - Former Unisys Facility (Site No. 130045). 1111 Marcus Avenue, Lake Success, NY. September 17, 2015.

TABLES

TABLE 1
Summary of Soil Vapor Samples from Existing Nested Wells
Former Unisys Facility, Lake Success, New York

Tenant ¹	Location	Nested Well	Sample Depths (Feet)	Proposed for 2016 Sampling Event
NSLIJ	Interior	VP-102	4.5	YES
			8.5	YES
			19.5	YES
			51.5	YES
			57.5	YES
			61.5	YES
			73.5	YES
NSLIJ Cancer Center 2	Interior	VP-103	5	YES
			10	YES
			20	YES
			30	YES
			40	YES
			50	YES
			61.5	YES
Unoccupied Space C4	Interior	VP-104	74.5	YES
			5	YES
			10	YES
			19	YES
			30	YES
			40	YES
			50	YES
Dealertrack	Interior	VP-107	62	YES
			73	YES
			5	YES
			13	YES
			20	YES
			33.5	YES
			44	YES
NSLIJ Mock-Up Room	Interior	LIJ-VP-7	60	YES
			74	YES
			5	YES
			10	YES
			20	YES
Hallway adjacent to Antech	Interior	FPM-20	30	YES
			40	YES
Unoccupied Space B2	Interior	VP-8	50	YES
			5	YES
			10	YES
Unoccupied Space B2	Interior	VP-8D	20	YES
			53.5	YES
			62.5	YES
Stellae	Interior	VP-NYSDEC-5	72.5	YES
			5	YES
			10	YES
			20	YES
			30	YES
			40	YES
Stellae	Interior	VP-9	50	YES
			60	YES
			10	YES
			20	YES
			30	YES
			40	YES
Stellae	Interior	VP-105	50	YES
			60	YES
			72	YES
			5	YES
			10	YES
			20	YES

TABLE 1
Summary of Soil Vapor Samples from Existing Nested Wells
Former Unisys Facility, Lake Success, New York

Tenant ¹	Location	Nested Well	Sample Depths (Feet)	Proposed for 2016 Sampling Event
Outside - East of Main Bldg.	Exterior	VP-1	5	YES
			10	YES
			20	YES
			30	YES
Outside - East of Main Bldg.	Exterior	VP-2	5	YES
			10	YES
			20	YES
			30	YES
Outside - South of Main Bldg.	Exterior	VP-3	5	YES
			10	YES
			20	YES
			30	YES
Outside - South of Main Bldg.	Exterior	VP-3D	40	YES
			51	YES
			61	YES
			73	YES
Outside - South of Main Bldg.	Exterior	VP-4	5	YES
			10	YES
			20	YES
			30	YES
Outside - East of Main Bldg.	Exterior	VP-5	5	YES
			10	YES
			20	YES
			30	YES
Outside - Southeast of Main Bldg.	Exterior	VP-6	5	YES
			10	YES
			20	YES
			30	YES
Outside - South of Main Bldg.	Exterior	VP-101	5	YES
			15	YES
			27	YES
Outside - North of Main Bldg.	Exterior	VP-106	5	YES
			11	YES
			19.5	YES
			28	YES
			56	YES
			72	YES
Outside - East of Main Bldg.	Exterior	VP-108	84	YES
			5	YES
			10	YES
			20	YES
		VP-108D	29.5	YES
			50.5	YES
			60	YES
			70	YES

TOTAL NUMBER OF SAMPLES² 108 (+11 DUPS)

NOTE

1 Tenants identified from 2015 Vapor Intrusion Report.

2 Per sampling plan, 11 duplicates are planned to be collected. These are to be selected at time of sampling.

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle)	iPark	LA Fitness	LA Fitness	Ambient
Location:	_____			
Date:	_____			
Sample Type (Circle)	SS-Nested	Sub-Slab	Indoor	Ambient
Depth (if applicable)	_____ (feet)			
Canister Volume (circle)	6 - Liter	1 - Liter		
Sample ID:	_____			
Sampler Name:	_____			

LEAK CHECK (circle) YES NO

He Instrument: _____ **Units:** _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
Sampling End				

OBSERVATIONS/NOTES

TABLE 3
Summary of Soil Vapor Samples for the LA Fitness Facility
Former Unisys Facility, Lake Success, New York

			Sample Locations ¹		
EVENT	Building	Location ²	Indoor Air	Sub-Slab	Ambient ³
Prior to Passive Venting System Shutdown	LA Fitness	Basement Area	IA-12		
		LA Fitness	IA-13		
		LA Fitness	IA-14		
		LA Fitness	IA-LAC8		
		LA Fitness	IA-E6		
		LA Fitness	IA-E15		
		LA Fitness	IA-F11		
		LA Fitness	IA-H2		
		LA Fitness	IA-H21		
		LA Fitness	DUP ²		
		Outside LA Fitness			2
After Passive Venting System Restart	LA Fitness	Basement Area	IA-12		
		LA Fitness	IA-13		
		LA Fitness	DUP ²		
		LA Fitness	IA-C1	SS-C1	
		LA Fitness	IA-C20	SS-C20	
		LA Fitness	IA-D7	SS-D7	
		LA Fitness	IA-E10	SS-E10	
		LA Fitness	IA-E16	SS-E16	
		LA Fitness	IA-G5	SS-G5	
		LA Fitness	IA-H21	SS-H21	
		Outside LA Fitness			2
TOTAL NUMBER OF SAMPLES			20	7	4

NOTE

- 1 Sampling locations identified from 2015 Vapor Intrusion Monitoring Report.
- 2 Per the 2015 sampling event, 1 duplicate is proposed and will be selected at time of sampling.
- 3 Location to be determined at time(s) of indoor air sampling.

TABLE 4
Summary of Sub-Slab Sampling Locations and Rationale for Selection for Rebound Analysis
Former Unisys Facility, Lake Success, New York

Sub-Slab (SS) Sampling Location	Historical Data Available	Building Quadrant	EP Coverage								Selected for Rebound Analysis	
			Boundary	EP-C03	EP-E04	EP-G03	EP-I04	EP-K03	EP-M04	EP-O03.5	(Y/N/Alt)	Rationale
SS-C1	Yes	North (between Rows A and G)	Y	Y							Yes	Good representation of boundary conditions and the range of influence of EP-C03.
SS-A3	Yes	North (between Rows A and G)	Y	Y							Yes	Good representation of boundary conditions and the range of influence of EP-C03.
SS-A102	Yes	North (between Rows A and G)	Y								Alt	Selected as Alternative to SS-C1 or SS-A3.
SS-C4	No -Single Event	North (between Rows A and G)		Y							Yes	Limited historical data for trend analysis however, location is closest to EP-C03.
SS-7	Yes	North (between Rows A and G)			Y	Y					Yes	Localized measurement of the influence of EP-G03.
SS-G4	Yes	North (between Rows A and G)			Y	Y					Yes	Localized measurement of the influence of EP-G03 and EP-I04. Even though historical data has been primarily ND, will support data from SS-7.
SS-I1	Yes	Central (between Rows G and L)	Y								No	Boundary conditions adequately provided by SS-33 and SS-I3.
SS-I3	Yes	Central (between Rows G and L)					Y	Y			Yes	Range of influence of EP-I04 and EP-K03.
SS-I5	Yes	Central (between Rows G and L)					Y				Yes	Measurement of the range of influence of EP-I04.
SS-33	Yes	Central (between Rows G and L)						Y			Yes	Measurement of the influence of EP-K03.
SS-K4	Yes	Central (between Rows G and L)						Y			Yes	Range of influence of EP-K03.
SS-M1	Yes	South (between Rows L and Q)	Y								Alt	Boundary coverage adequately provided by SS-M3. Use as alternative to SS-M3.
SS-M3	Yes	South (between Rows L and Q)							Y		Yes	Measurement of the influence of EP-M04.
SS-M5	Yes	South (between Rows L and Q)							Y		Yes	Range of influence of EP-M04.
SS-P3	Yes	South (between Rows L and Q)	Y							Y	Yes	Boundary condition and range of influence of EP-O03.5
SS-Q5	Yes	South (between Rows L and Q)	Y							Y	Alt	Boundary condition and range of influence of EP-O03.5 adequately covered by SS-P3. Use as alternative.

16

12

TABLE 5
Summary of Soil Vapor Chemicals of Concern to be Analyzed by TO-15 Methods
Former Unisys Facility, Lake Success, New York

CAS	Compound	MRL (ug/m ³)	MRL (ppbv)
71-55-6	1,1,1-Trichloroethane	0.5	0.092
79-34-5	1,1,2,2-Tetrachloroethane	0.5	0.073
79-00-5	1,1,2-Trichloroethane	0.5	0.092
75-34-3	1,1-Dichloroethane	0.5	0.12
75-35-4	1,1-Dichloroethene	0.5	0.13
75-37-6	1,1-Difluoroethane	0.5	0.19
120-82-1	1,2,4-Trichlorobenzene	0.5	0.067
95-63-6	1,2,4-Trimethylbenzene	0.5	0.1
96-12-8	1,2-Dibromo-3-chloropropane	0.5	0.052
106-93-4	1,2-Dibromoethane	0.5	0.065
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	0.5	0.072
95-50-1	1,2-Dichlorobenzene	0.5	0.083
107-06-2	1,2-Dichloroethane	0.5	0.12
540-59-0	1,2-Dichloroethene, Total	0.5	0.13
78-87-5	1,2-Dichloropropane	0.5	0.11
108-67-8	1,3,5-Trimethylbenzene	0.5	0.1
106-99-0	1,3-Butadiene	0.5	0.23
541-73-1	1,3-Dichlorobenzene	0.5	0.083
106-46-7	1,4-Dichlorobenzene	0.5	0.083
123-91-1	1,4-Dioxane	0.5	0.14
306-83-2	2,2-Dichloro-1,1,1-trifluoroethane (Freon 123)	0.5	0.08
78-93-3	2-Butanone (MEK)	5	1.7
591-78-6	2-Hexanone	0.5	0.12
67-63-0	2-Propanol (Isopropyl Alcohol)	5	2
107-05-1	3-Chloro-1-propene (Allyl Chloride)	0.5	0.16
622-96-8	4-Ethyltoluene	0.5	0.1
108-10-1	4-Methyl-2-pentanone	0.5	0.12
67-64-1	Acetone	5	2.1
71-43-2	Benzene	0.5	0.16
75-27-4	Bromodichloromethane	0.5	0.075
75-25-2	Bromoform	0.5	0.048
74-83-9	Bromomethane	0.5	0.13
75-15-0	Carbon Disulfide	5	1.6
56-23-5	Carbon Tetrachloride	0.1	0.016
108-90-7	Chlorobenzene	0.5	0.11
75-45-6	Chlorodifluoromethane (Freon 22)	0.5	0.14
75-00-3	Chloroethane	0.5	0.19
67-66-3	Chloroform	0.5	0.1
74-87-3	Chloromethane	0.5	0.24
76-15-3	Chloropentafluoroethane	0.5	0.079
156-59-2	cis-1,2-Dichloroethene	0.5	0.13
10061-01-5	cis-1,3-Dichloropropene	0.5	0.11
98-82-8	Cumene	0.5	0.1
110-82-7	Cyclohexane	1	0.29
124-48-1	Dibromochloromethane	0.5	0.059
75-71-8	Dichlorodifluoromethane (Freon 120)	0.5	0.1
100-41-4	Ethylbenzene	0.5	0.12
87-68-3	Hexachlorobutadiene	0.5	0.047
179601-23-	m,p-Xylenes	0.5	0.12
79-20-9	Methyl Acetate	0.5	0.17
1634-04-4	Methyl tert-Butyl Ether	0.5	0.14
108-87-2	Methylcyclohexane	0.5	0.12

TABLE 5
Summary of Soil Vapor Chemicals of Concern to be Analyzed by TO-15 Methods
Former Unisys Facility, Lake Success, New York

CAS	Compound	MRL ($\mu\text{g}/\text{m}^3$)	MRL (ppbv)
75-09-2	Methylene Chloride	0.5	0.14
110-54-3	n-Hexane	0.5	0.14
95-47-6	o-Xylene	0.5	0.12
100-42-5	Styrene	0.5	0.12
127-18-4	Tetrachloroethene	0.5	0.074
108-88-3	Toluene	0.5	0.13
156-60-5	trans-1,2-Dichloroethene	0.5	0.13
10061-02-6	trans-1,3-Dichloropropene	0.5	0.11
79-01-6	Trichloroethene	0.1	0.019
75-69-4	Trichlorofluoromethane	0.5	0.089
76-13-1	Trichlorotrifluoroethane (Freon 113)	0.5	0.065
75-01-4	Vinyl Chloride	0.1	0.039
Additional Compound			
76-15-3	Chloropentafluoroethane (Freon 115)		

Legends:

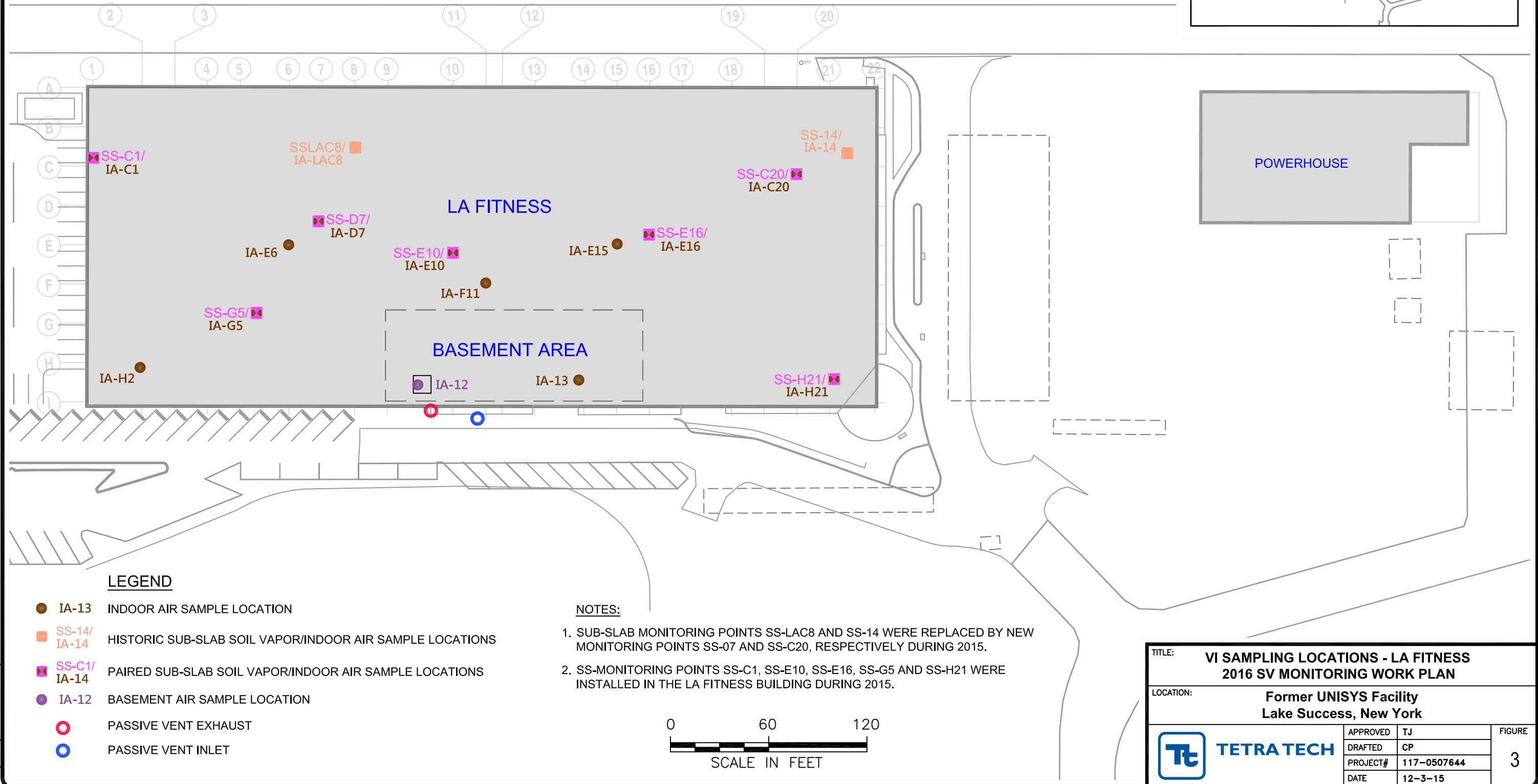
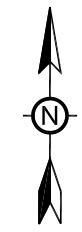
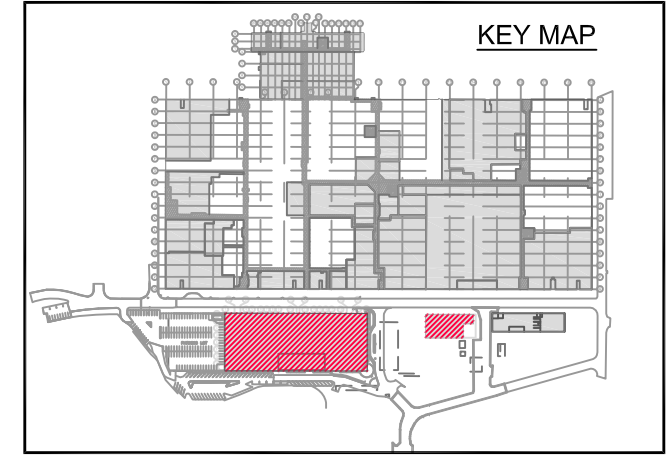
MRL: method reporting limit
 ppbv: parts per billion by volume
 $\mu\text{g}/\text{m}^3$: micrograms per cubic meter

FIGURES



FIGURE 1 Site Topographic Map and Site Location with the iPark and LA Fitness Buildings highlighted

KEY MAP

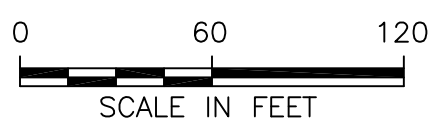


LEGEND

- IA-13 INDOOR AIR SAMPLE LOCATION
- SS-14/IA-14 HISTORIC SUB-SLAB SOIL VAPOR/INDOOR AIR SAMPLE LOCATIONS
- SS-C1/IA-14 PAIRED SUB-SLAB SOIL VAPOR/INDOOR AIR SAMPLE LOCATIONS
- IA-12 BASEMENT AIR SAMPLE LOCATION
- PASSIVE VENT EXHAUST
- PASSIVE VENT INLET

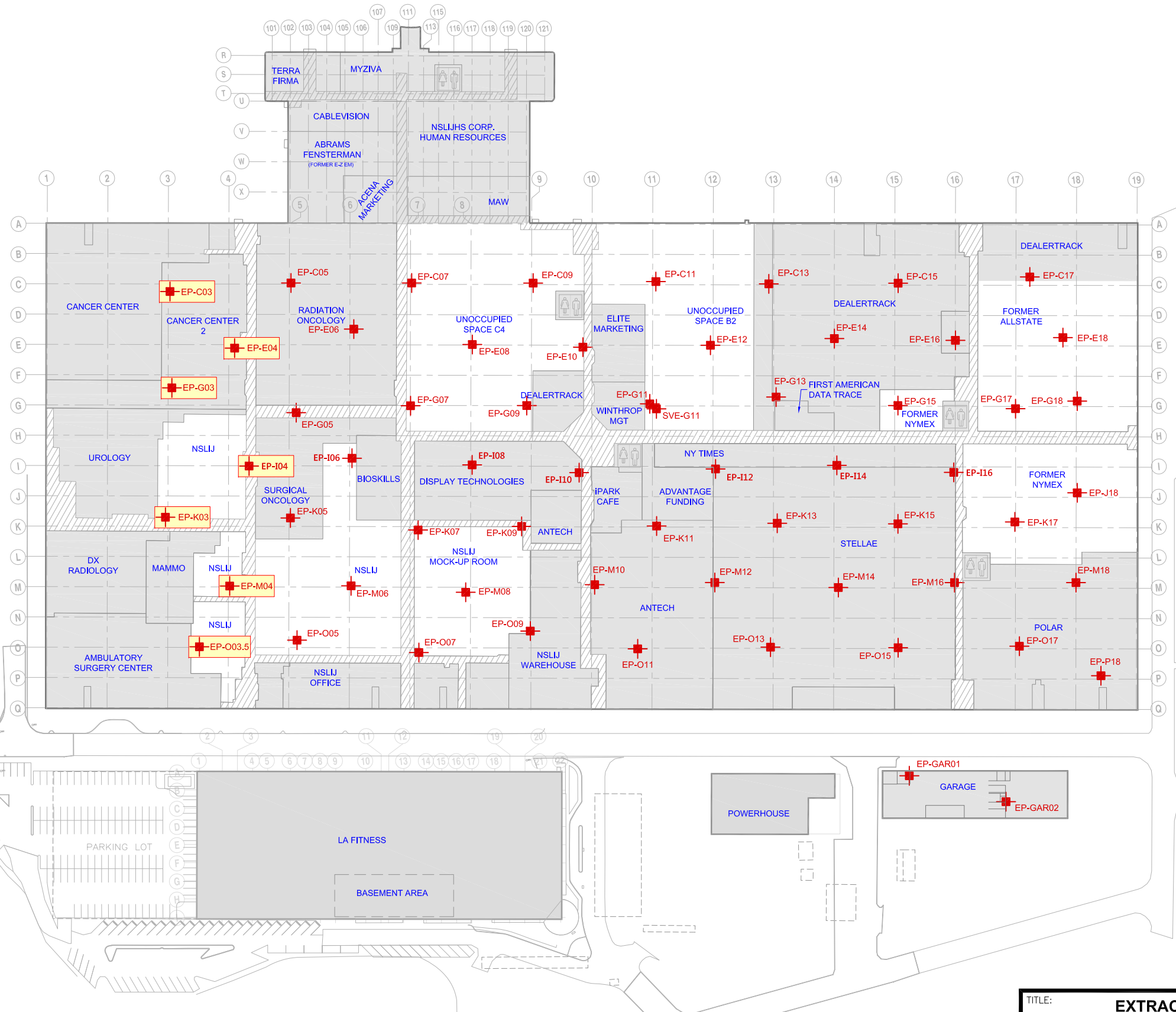
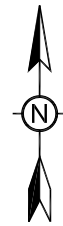
NOTES:

- SUB-SLAB MONITORING POINTS SS-LAC8 AND SS-14 WERE REPLACED BY NEW MONITORING POINTS SS-07 AND SS-C20, RESPECTIVELY DURING 2015.
- SS-MONITORING POINTS SS-C1, SS-E10, SS-E16, SS-G5 AND SS-H21 WERE INSTALLED IN THE LA FITNESS BUILDING DURING 2015.





TITLE: VI SAMPLING LOCATIONS - LA FITNESS 2016 SV MONITORING WORK PLAN			
LOCATION: Former UNISYS Facility Lake Success, New York			
	APPROVED	TJ	FIGURE 3
	DRAFTED	CP	
	PROJECT#	117-0507644	
	DATE	12-3-15	

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LEGEND

-  EP-K17 EXTRACTION POINT LOCATIONS
-  EP-K03 EXTRACTION POINT LOCATIONS PROPOSED FOR SHUT-DOWN

NOTE:

OCCUPIED TENANT AREAS ARE SHOWN IN GRAY.



TITLE:		EXTRACTION POINT LOCATIONS 2016 SV MONITORING WORK PLAN	
LOCATION:		Former UNISYS Facility Lake Success, New York	
 TETRA TECH	APPROVED	TJ	FIGURE 4
	DRAFTED	CP	
	PROJECT#	117-0507644	
DATE		12-3-15	

LIJ-VP-7 Carbon Tetrachloride ug/m3						
Depth (ft)	Mar-2011	Feb-2012	Mar-2013	Mar-2014	Mar-2015	
5	ND	ND	ND	0.38	0.48	
10	ND	ND	ND	0.37	0.57	
20	ND	ND	ND	ND	ND	
30	ND	ND	ND	ND	ND	
40	ND	ND	ND	ND	ND	
50	ND	2.4	ND	3	2.6	

Bars compared to highest detected concentration
3.0 (ug/m3)

LIJ-VP-7 Methylene Chloride ug/m3						
Depth (ft)	Mar-2009	Mar-2011	Feb-2012	Mar-2013	Mar-2014	Mar-2015
5	ND	ND	145	ND	8.2	9.3
10	ND	ND	ND	ND	1.4	4.3
20	ND	ND	ND	ND	ND	ND
30	ND	ND	ND	ND	ND	ND
40	ND	ND	ND	ND	ND	ND
50	ND	ND	1.8	ND	ND	ND

Bars compared to highest detected concentration
145 (ug/m3)

LIJ-VP-7 Tetrachloroethylene (PCE)						
Depth (ft)	Mar-2009	Mar-2011	Feb-2012	Mar-2013	Mar-2014	Mar-2015
5	6,600	8,700	4,850	NA	2	1.1
10	14,000	7,300	9,300	8,900	43	33
20	24,000	36,000	20,000	21,000	7,050	4,100
30	30,000	41,000	37,000	40,000	48,500	58,500
40	9,600	50,000	31,000	38,000	12,000	8,900
50	2,200	3,100	1,500	2,750	1,700	1,400

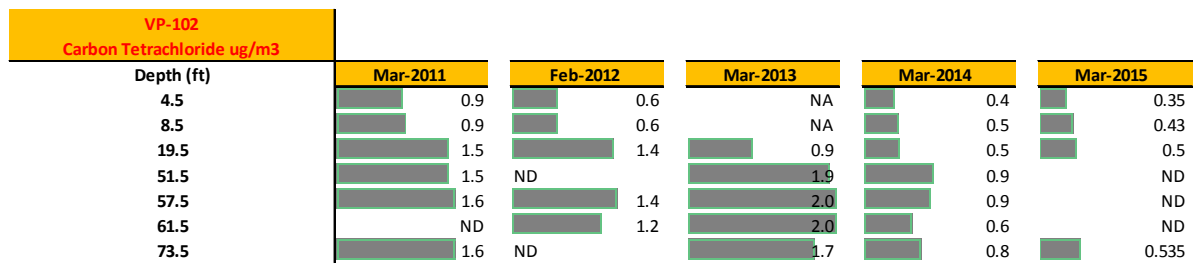
Bars compared to highest detected concentration
58,500 (ug/m3)

LIJ-VP-7 Trichloroethylene (TCE)						
Depth (ft)	Mar-2009	Mar-2011	Feb-2012	Mar-2013	Mar-2014	Mar-2015
5	450	240	155	NA	ND	0.4
10	1,200	380	300	260	4	15
20	4,500	4,700	2,800	3,100	5,100	3,400
30	27,000	39,000	30,000	32,000	66,500	100,500
40	18,000	53,000	45,000	53,000	22,000	15,000
50	4,000	5,400	3,200	5,300	2,700	2,400

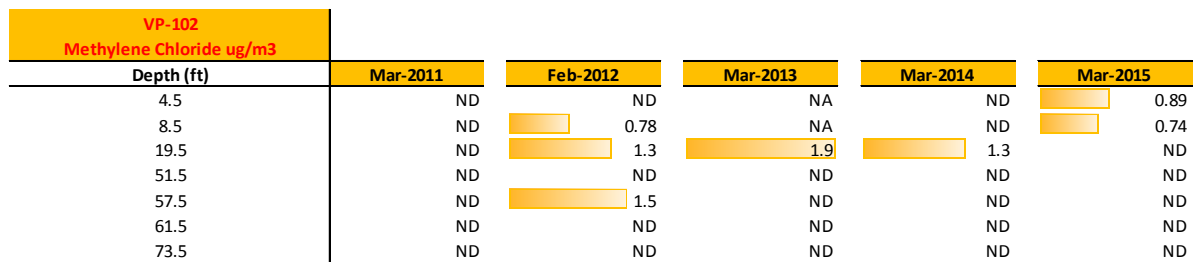
Bars compared to highest detected concentration
100,500 (ug/m3)

FIGURE 5-a: Historical Concentration Profiles for Select COCs from Nested SV Well LIJ-VP-7

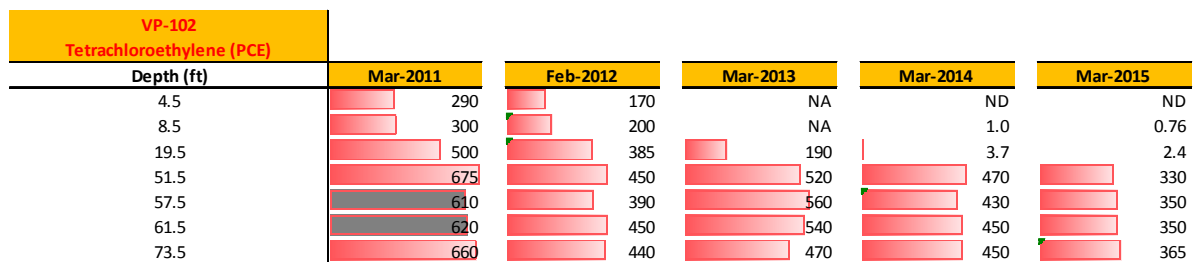
ND: Not Detected NA: Not Analyzed



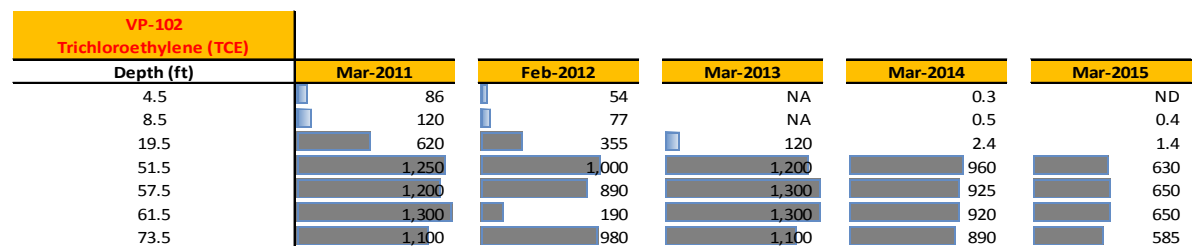
Bars compared to highest detected concentration
2.0 (ug/m3)



Bars compared to highest detected concentration
1.9 (ug/m3)



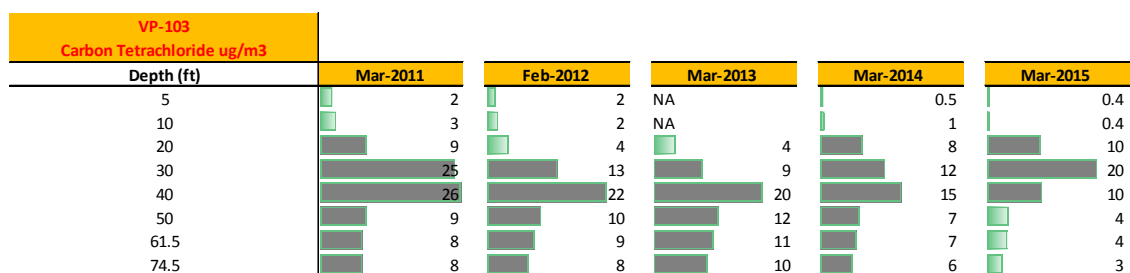
Bars compared to highest detected concentration
675 (ug/m3)



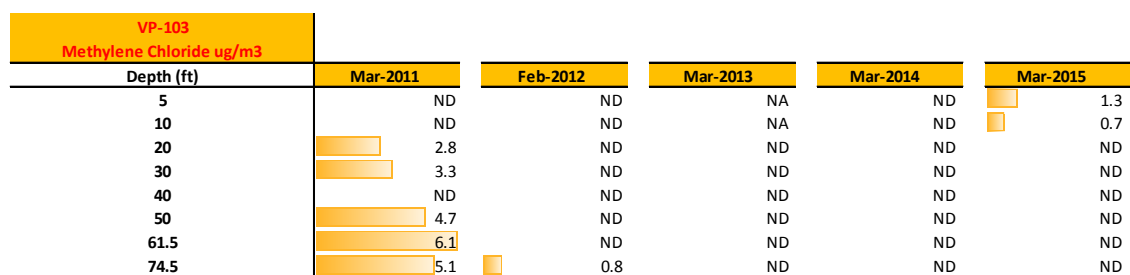
Bars compared to highest detected concentration
1,300 (ug/m3)

FIGURE 5-b: Historical Concentration Profiles for Select COCs from Nested SV Well VP-102

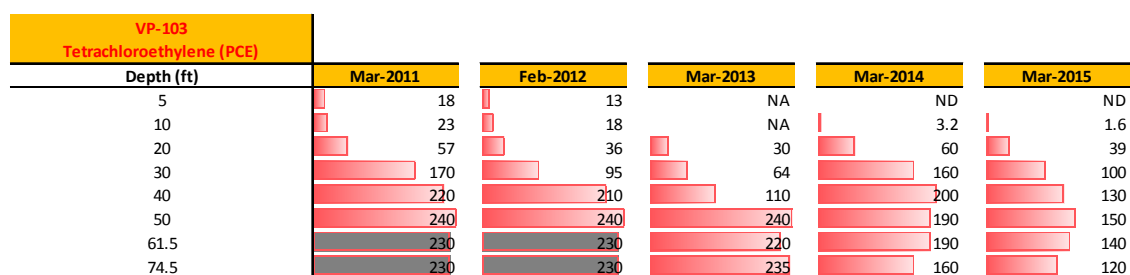
ND: Not Detected NA: Not Analyzed



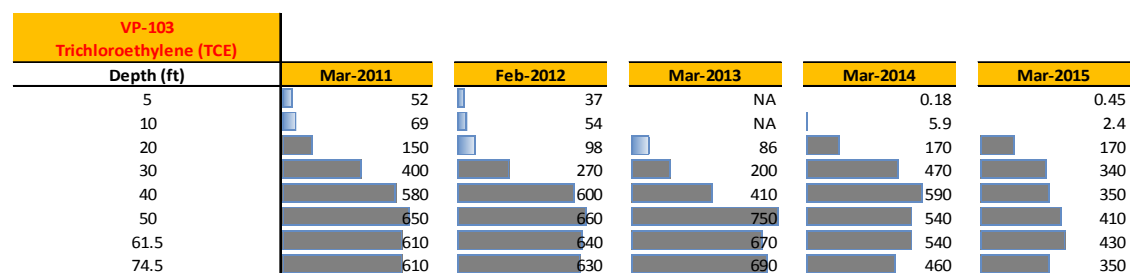
Bars compared to highest detected concentration
26 (ug/m3)



Bars compared to highest detected concentration
6.1 (ug/m3)



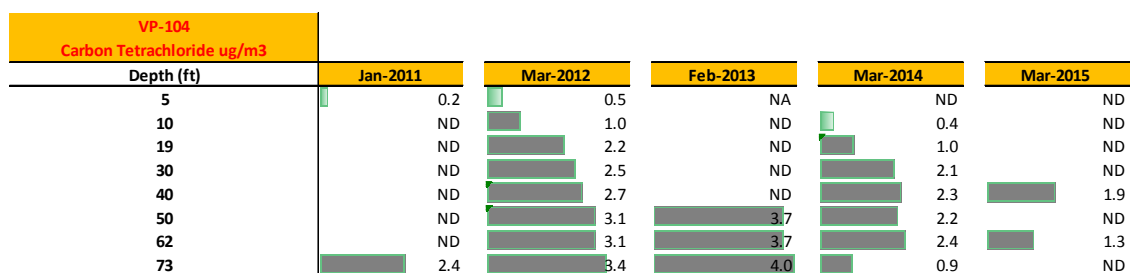
Bars compared to highest detected concentration
240 (ug/m3)



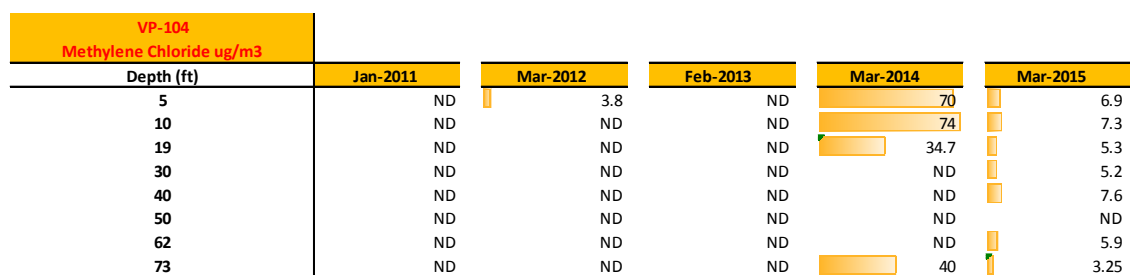
Bars compared to highest detected concentration
750 (ug/m3)

FIGURE 5-c: Historical Concentration Profiles for Select COCs from Nested SV Well VP-103

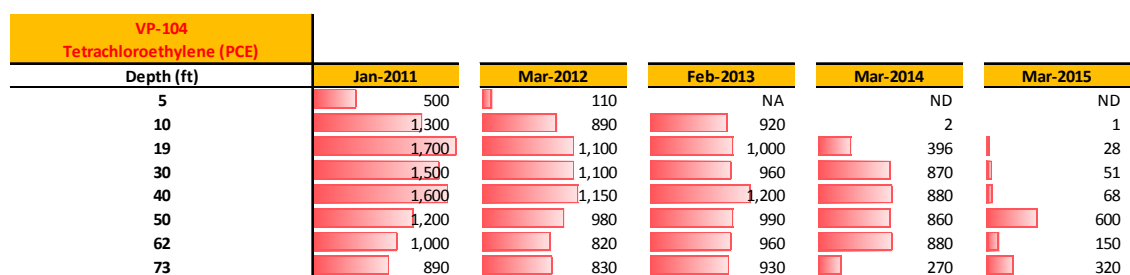
ND: Not Detected NA: Not Analyzed



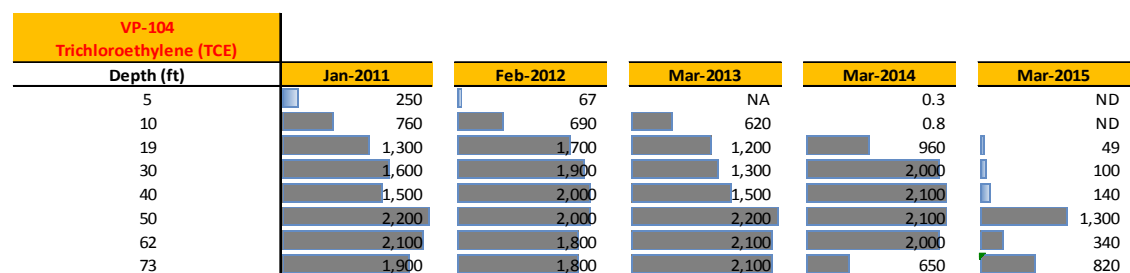
Bars compared to highest detected concentration
4.0 (ug/m3)



Bars compared to highest detected concentration
74 (ug/m3)



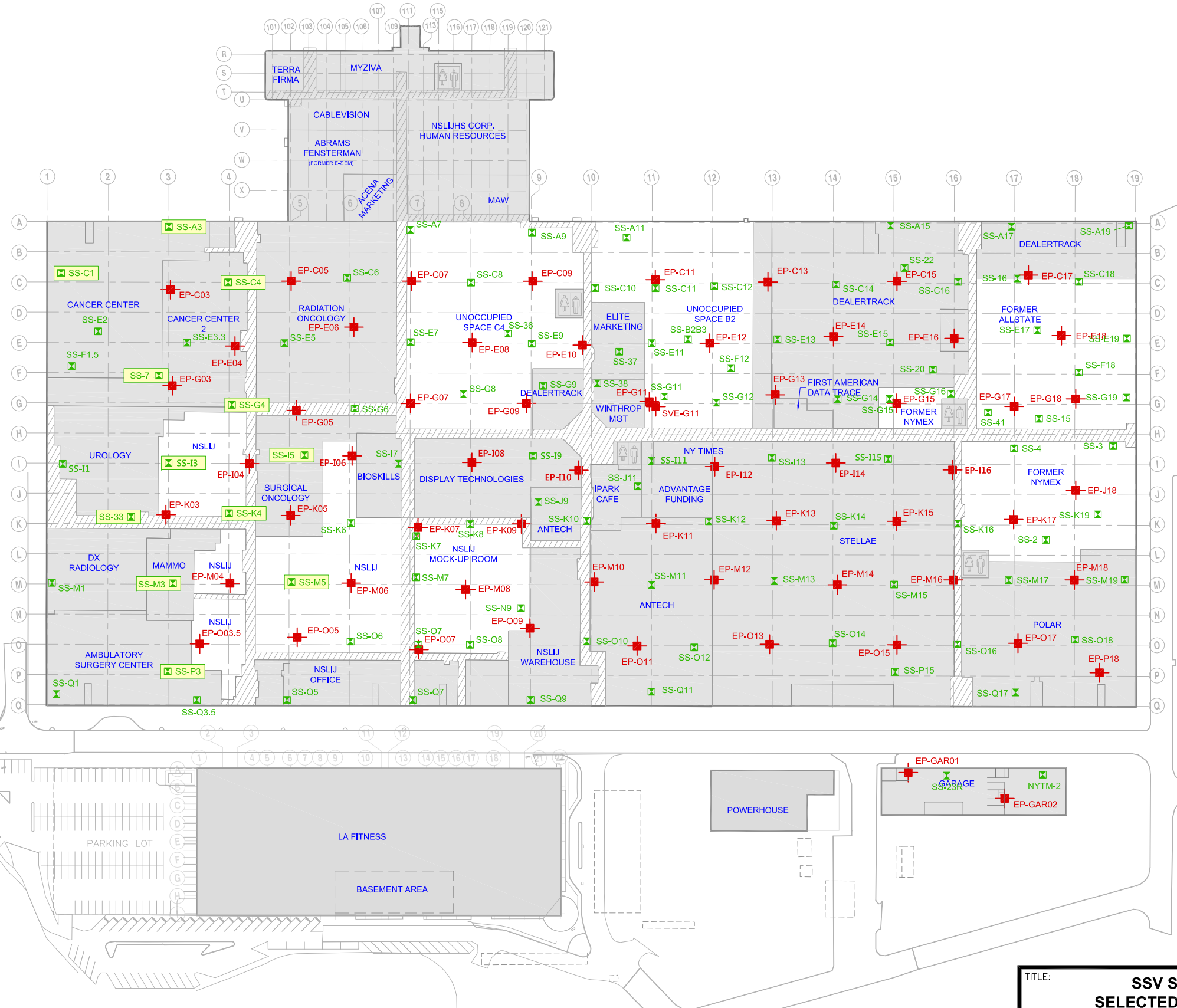
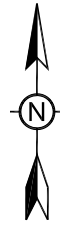
Bars compared to highest detected concentration
1,700 (ug/m3)



Bars compared to highest detected concentration
2,200 (ug/m3)

FIGURE 5-d: Historical Concentration Profiles for Select COCs from Nested SV Well VP-104

ND: Not Detected NA: Not Analyzed



LEGEND

- SS-O16 SUB-SLAB VAPOR (SSV) SAMPLING LOCATIONS
- EP-K17 EXTRACTION POINT LOCATIONS
- SS-K4 SSV / IA PAIR LOCATIONS FOR REBOUND ANALYSIS

NOTE:
OCCUPIED TENANT AREAS ARE SHOWN IN GRAY.



TITLE:		SSV SAMPLING LOCATIONS SELECTED FOR REBOUND ANALYSIS 2016 SV MONITORING WORK PLAN	
LOCATION:		Former UNISYS Facility Lake Success, New York	
TETRA TECH	APPROVED	TJ	FIGURE 6
	DRAFTED	CP	
	PROJECT#	117-0507644	
DATE		12-3-15	



FIGURE 7-a: Historical PCE and TCE Concentrations at Select Sub-Slab (SS) Sampling Locations within the Western Portion of the iPark Building – North Quadrant between Rows A and G.



FIGURE 7-b: Historical PCE and TCE Concentrations at Select Sub-Slab (SS) Sampling Locations within the Western Portion of the iPark Building – Central Quadrant between Rows G and L.



FIGURE 7-c: Historical PCE and TCE Concentrations at Select Sub-Slab (SS) Sampling Locations within the Western Portion of the iPark Building – South Quadrant between Rows L and Q.

APPENDIX A

LOCKHEED MARTIN CORPORATION STANDARD OPERATING PROCEDURES (SOP)

Lockheed Martin Corporation SOP for – Helium Tracer Gas Leak Test for SS Soil Vapor Sampling

Description

This SOP provides instructions for conducting helium trace gas leak test around soil vapor sampling points.

Abbreviations

SOP: Standard Operating Procedure
SS: Sub-slab

NOTE: WHEN ENTERING THE TENANT LEASEHOLD, ALL AECOM PERSONNEL WILL INFORM THE SPECIFIED TENANT REPRESENTATIVE THAT WORK IS BEING COMPLETED IN THE TENANT LEASEHOLD.

1. A helium tracer gas serves as a quality assurance/quality control device to verify the integrity of the vapor port seal and to ensure the sample is not diluted by ambient or indoor air.
2. Trace gas administering includes the following basic steps: (1) enrich the atmosphere in the immediate vicinity where the port or sample tubing intersects the surface with the tracer gas; and (2) measure a vapor sample from the sample tubing for the presence of high concentrations (> 10%) of the tracer. A plastic pail, bucket, garbage can or even a plastic bag can serve to keep the tracer gas in contact with the port during the testing.
3. This SOP focuses on monitoring helium using a portable sampling device, although helium can also be analyzed by the laboratory along with other volatile organic compounds (VOCs). Real-time tracer sampling is generally preferred as the results can be used to confirm the integrity of the port seals prior to formal sample collection.

SOP Author:	AECOM
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SOP #	SSDS-27
Revision #	1
Date	January 28, 2015

4. Leak test will be conducted at 5% of sample locations.
5. Equipment List:
 - Helium (laboratory grade)
 - Regulator for helium tank
 - Shroud (plastic bucket, garbage can, etc)
 - The size of the shroud should be sufficient to fit over the sample port. It is worth noting that using a smaller shroud uses less helium which may be important when projects require a large number of helium tracer tests.
 - The shroud will need to have three small holes in it. These holes will include one on the top (to accommodate the sample tubing), and two on the side (one for the helium detector probe, and one for the helium line).
 - The shroud should ideally enclose the sample port and most of the sampling train.
 - Helium detector capable of measuring from 1 - 100% (Dielectric MGD-2002, Mark Model 9522, or equivalent)
 - Tedlar bags
 - Seal material for shroud (rubber gasket, modeling clay, bentonite, etc) to keep helium levels in shroud high in windy conditions. Although the sealing material is not in direct contact with the sample if no leak occurs, sealing materials with high levels of VOC emissions should be avoided, since they could easily contaminate a sample from a point in which a trace leak occurs.
 - Sample collection logs

Cautions

1. Helium is an asphyxiant. Be cautious with its use indoors.
2. Compressed gas cylinders should be handled with caution.

3. Care should be taken not to pressurize shroud while introducing helium. If the shroud is completely air tight and the helium is introduced quickly, the shroud can be over-pressurized and helium can be pushed into the ground.

Procedure

The procedure used to conduct the helium tracer test should be specific to the shroud being used and the methods of vapor port installation. The helium tracer test can be conducted when using temporary or permanent sample point installs and from inside or outside a facility. However when using the tracer gas within indoor areas you must provide adequate ventilation because helium is an asphyxiant.

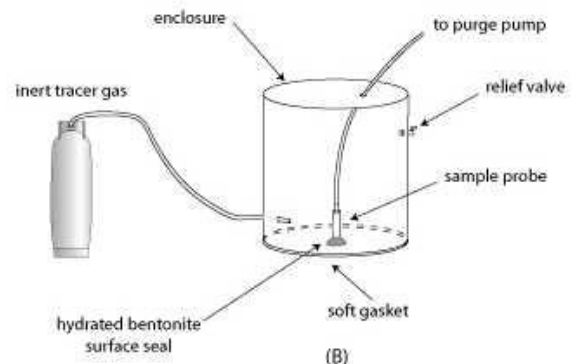
1. Attach Teflon or nylon sample tubing to the sample point. This can be accomplished utilizing a number of different methods depending on the sample install (i.e., barbed fitting, Swage-Lok fitting, ball valve, etc.).
2. Place the shroud over the sample point and tubing.
3. Pull the tubing through hole in top of shroud. Seal opening at top of shroud with modeling clay.
4. Place weight on top of shroud to help maintain a good seal with the ground.
5. Insert helium tubing into hole in side of shroud, seal with modeling clay to prevent leaks.
6. Fill shroud with helium. While filling shroud allow atmospheric air to escape either by leaving a crack with the surface or by providing a release valve on the side of the shroud.
7. Use the helium detector to test level of helium gas from the lowest hole drilled in the shroud (bottom of the shroud nearest where the sample tubing intersects the ground). Helium should be added until the environment inside the shroud has > 60% helium.
8. Purge the sample point through the sample tubing into a Tedlar bag using a hand held sampling pump. The sample pump should be operating at a rate of approximately 100 ml/minute (the purge

rate should typically not exceed the sample collection rate). Test the air in the Tedlar bag for helium using portable helium detector. If the port has been installed properly there should be zero helium in purge air.

9. If > 10% helium is noted in purge air, add more clay or other material to the seal the sample port and repeat the testing procedure. If the seal cannot be fixed, reinstall sample point.
10. Monitor and record helium level in shroud before, during and after tracer test.
11. Monitor and record helium level in purge exhaust.
12. At successful completion of tracer test and sample point purging, the soil vapor sample can be collected (if the helium shroud must be removed prior to sample collection be mindful not to disturb the sample tubing and any established seals).

Safety Considerations

- The passive SSDS inhibits SS soil vapors from entering the indoor air of the occupied and unoccupied spaces. Therefore, it is **EXTREMELY IMPORTANT** that the system be kept operational during business hours of tenant space, unless otherwise noted in the Work Plan.
- Wear all necessary PPE and follow all associated procedures as outlined in the Health and Safety Plan.



References

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

Lockheed Martin Corporation SOP for SSDS – Soil Vapor Sampling from Nested Well Sampling Ports

SOP Author:	AECOM
SOP #	SSDS-28
Revision #	1
Date	January 28, 2015

Description

This SOP provides instructions for collecting SV samples from the existing Nested Points for the analysis of VOCs by USEPA Method TO-15.

Abbreviations

COC: Chain of Custody
RTO: CDM Smith
SOP: Standard Operating Procedure
SSDS: Sub-Slab Depressurization System
SV: Soil Vapor
USEPA: United States of Environmental Protection Agency
VOCs: Volatile Organic Compounds

NOTE: WHEN ENTERING THE TENANT LEASEHOLD, ALL AECOM PERSONNEL WILL INFORM THE SPECIFIED TENANT REPRESENTATIVE THAT WORK IS BEING COMPLETED IN THE TENANT LEASEHOLD.

SV Sampling

- SV samples are collected from nested points within building footprint and in the immediate vicinity of the building to determine the distribution of VOCs on an annual basis.
- The locations SV samples to be collected are presented in Table 1 and Figure 1.
- The SV samples will be collected in 6-liter batch certified, passivated stainless SUMMA® canisters. The samples will be collected through 4-hour flow controllers with in-line particulate filters and vacuum gauges.
- All SUMMA canisters shall have an initial vacuum of 29 inches of mercury prior to sample collection.
- Sampling shall be complete when the canister vacuum is less than 10 inches of mercury and no canister shall be

- shipped to the laboratory unless it has a vacuum of at least 6 inches of mercury.
- Sampling personnel should not handle hazardous substances (such as gasoline), permanent marking pens, wear/apply fragrances, or smoke cigarettes before and/or during the sampling event.
- Equipment List:
 - 6-liter, stainless steel SUMMA® canisters (order one extra, if feasible) ;4-hour flow controllers with in-line particulate filters and vacuum gauges (order an extra set for each extra SUMMA® canister)
 - 1/4-inch ID tubing (Teflon, or similar)
 - Decontaminated extra small Swage-Lock (or equivalent) fittings
 - Stainless steel "T" fitting (if collecting duplicate [i.e., split] samples)
 - Portable vacuum pump capable of producing very low flow rates (e.g., 100 to 200 mL/min) with vacuum gauge. Purging flow rate should also be selected based on expected soil type (see below).
 - Rotameter or an electric flow sensor if vacuum pump does not have an accurate flow gauge (Bios DryCal or equivalent).
 - Tracer gas testing supplies if applicable (refer to SOP for "Administering Tracer Gas").
 - Appropriate-sized open-end wrench (typically 9/16-inch and 1/2-inch).
 - Portable weather meter, if appropriate.

- Chain-of-custody (COC) forms.
- Sample collection logs (attached).
- Digital camera

Initiation of Sample Collection

1. Record the following information on the sample log using the portable weather meter; if appropriate (contact the local airport or other suitable information source [e.g., site-specific measurements, weatherunderground.com] to obtain the information).
 - a. wind speed and direction;
 - b. ambient temperature;
 - c. barometric pressure; and
 - d. relative humidity
2. Connect "T" fitting and needle valve to allow for isolation of purge pump.
3. Remove the brass plug from the SUMMA canister and connect the flow controller with in-line particulate filter and vacuum gauge to the SUMMA canister. Do not open the valve on the SUMMA canister. Record on the sample log and COC form the flow controller number with the appropriate SUMMA canister number.
 - Perform a leak-down test by replacing the nut which secures sample tubing with the cap from the canister. This will create a closed system. Open the canister valve and quickly close it; the vacuum should increase approaching 30" Hg. If there are no leaks in the system this vacuum should be held. If vacuum holds proceed with sample collection; if not attempt to rectify the situation by tightening fittings.
4. Connect the Teflon sample collection tubing to the flow controller. Leave the SUMMA canister valve closed at this point.
5. Connect a portable vacuum pump to the purge leg of sample tubing. Purge 3 volumes of air from the vapor probe and sampling line using a portable pump [purge volume = 1.5 Pi r2h] at a rate of approximately 100 mL/min. Excessive vacuums should be avoided.

6. If low-flow conditions are encountered (when air flow rate is less than 10 mL/min or when vacuum is greater than 10" mercury), notify the RTO representative to discuss the option of installing a new vapor point.
7. If necessary, check the seal established around the soil vapor probe by using a tracer gas (e.g., helium) or other method established in the state guidance documents. [Refer to the Administering Helium Tracer Gas SOP, adapted from NYSDOH 2006]
8. At completion of purge, close the needle valve to isolate sample canister.
9. Open the SUMMA canister valves. Record on the sample log the time sampling began and the canister pressure. If the initial vacuum pressure registers less than -25 inches of Hg or greater, then the SUMMA canister is not appropriate for use and another canister should be used.
10. Take photographs of the SUMMA® canister and surrounding area, as appropriate.
11. Steps 2 through 10 should be repeated for each of the nested soil vapor ports; samples can be collected concurrently.
12. Check the SUMMA canister approximately half way through the sample duration and note progress on sample logs.

Termination of Sample Collection

1. Arrive at the SUMMA canister location at least 30 minutes prior to the end of the sampling interval.
2. Record the final vacuum pressure. Stop collecting the sample by closing the SUMMA canister valves. The canister should have a minimum amount of vacuum (approximately 6 inches of Hg or slightly greater).
3. Record the date and time of valve closing on the sample log and COC form.
4. Close the valve on the nested soil vapor sample tubing.
5. Once all the nested samples have been collected, be sure the well cover (if

- applicable) is properly re-installed and secured.
6. Remove the particulate filters and flow controllers from the SUMMA canisters, re-install the brass plugs on the canister fittings, and tighten with the appropriate wrench.
 7. Package the canisters and flow controllers in the shipping container supplied by the laboratory for return shipment to the laboratory. The SUMMA canisters should not be preserved with ice or refrigeration during shipment.
 8. Complete the appropriate forms and sample labels as directed by the laboratory (e.g., affix card with a string).
 9. Complete the COC form and place the requisite copies in a shipping container. Close the shipping container and affix a custody seal to the container closure. Ship the container to the laboratory via overnight carrier (e.g., Federal Express) for analysis.

GC/MS detector, which confirms the identity of detected compounds by evaluating their mass spectra in either the SCAN or SIM mode.

Duplicate samples should be collected in the field as a quality assurance step. Generally, duplicates are taken of 10% of samples, but project specific requirements should take precedence.

References

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

Safety Considerations

- This system prevents sub-slab vapors from entering the indoor air of the occupied and unoccupied spaces. Therefore, it is **EXTREMELY IMPORTANT** that the system be kept running during business hours of tenant space.
- Wear all necessary PPE and follow all associated procedures as outlined in the Health and Safety Plan.

Quality Assurance

SV sample analysis will be performed using USEPA TO-15 methodology. This method uses a quadrupole or ion-trap GC/MS with a capillary column to provide optimum detection limits. The GC/MS system requires a 1-liter gas sample (which can easily be recovered from a 6-liter canister). The 6-liter canister also provides several additional 1-liter samples in case subsequent re-analyses or dilutions are required. This system also offers the advantage of the

		Soil Vapor Sample Collection Log	
		Sample ID:	
Client:		Sampling Depth:	
Project:		Time and Date of Installation:	
Location:		Sealant:	
Project #:		Miscellaneous Equipment:	
Samplers:		Moisture Content of Sampling Zone):	
		Approximate Purge Volume:	

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)

(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:		
Flow Controller ID:		
Notes:		

Tracer Test Information (if applicable):

Initial Helium Shroud:		
Final Helium Shroud:		
Tracer Test Passed:	Yes	No
Notes:		

General Observations/Notes:

Approximating one-well volume (for purging): When using 1 1/4-inch "Dummy Point" and a 6-inch sampling interval, the sampling space will have a volume of approximately 150 mL. Each foot of 1/4-inch tubing will have a volume of approximately 10 mL

Lockheed Martin Corporation SOP for Sub- Slab Soil Vapor Sampling

SOP Author:	AECOM
SOP #	SSDS-25
Revision #	1
Date	January 28, 2015

Description

This SOP provides instructions for collecting SS soil vapor samples from the existing sampling ports for the analysis of VOCs by USEPA Method TO-15.

Abbreviations

COC: Chain of Custody
SOP: Standard Operating Procedure
SS: Sub-Slab
SSDS: Sub-Slab Depressurization System
USEPA: United States of Environmental Protection Agency
VOC: Volatile Organic Compounds

NOTE: WHEN ENTERING THE TENANT LEASEHOLD, ALL AECOM PERSONNEL WILL INFORM THE SPECIFIED TENANT REPRESENTATIVE THAT WORK IS BEING COMPLETED IN THE TENANT LEASEHOLD.

SS Soil Vapor Sampling

1. SS soil vapor samples are collected from existing sample ports to help assess the levels of VOC under the LA Fitness building and Powerhouse building slab.
2. The locations of SS soil vapor samples to be collected are presented in Table 1 and Figures 1, 2, and 3 of the Work Plan.
3. The SS soil vapor samples will be collected in 6-liter batch certified, passivated stainless SUMMA® canisters. The samples will be collected through 8-hour flow controllers with in-line particulate filters and vacuum gauges.
4. All SUMMA canisters shall have an initial vacuum of 29 inches of mercury prior to sample collection.
5. Sampling shall be complete when the canister vacuum is less than 10 inches

- of mercury and no canister shall be shipped to the laboratory unless it has a vacuum of at least 6 inches of mercury.
6. Sampling personnel should not handle hazardous substances (such as gasoline), permanent marking pens, wear/apply fragrances, or smoke cigarettes before and/or during the sampling event.
7. Equipment List:
 - 6-liter, stainless steel SUMMA® canisters (order one extra, if feasible); 8-hour flow controllers with in-line particulate filters and vacuum gauges (order an extra set for each extra SUMMA® canister)
 - 1/4-inch ID tubing (Teflon, or similar)
 - Decontaminated extra small Swage-Lock (or equivalent) fittings
 - Stainless steel "T" fitting (if collecting duplicate [i.e., split] samples)
 - Portable vacuum pump capable of producing very low flow rates (e.g., 100 to 200 mL/min) with vacuum gauge. Purging flow rate should also be selected based on expected soil type (see below).
 - Rotameter or an electric flow sensor if vacuum pump does not have an accurate flow gauge (Bios DryCal or equivalent).
 - Tracer gas testing supplies if applicable (refer to SOP for "Administering Tracer Gas").
 - Appropriate sized open-end wrench (typically 9/16-inch and ½ inch)

- Portable weather meter, if appropriate
- Chain-of-custody (COC) forms
- Sample collection log
- Digital camera

Initiation of Sample Collection

1. Record the following information on the sample log, if appropriate (contact the local airport or other suitable information source [e.g., site-specific measurements using the portable weather meter, or [weatherunderground.com] to obtain the information):
 - a. wind speed and direction;
 - b. ambient temperature;
 - c. barometric pressure; and
 - d. relative humidity
2. Connect "T" fitting and needle valve to allow for isolation of purge pump.
3. Remove the brass plug from the SUMMA canister and connect the flow controller with in-line particulate filter and vacuum gauge to the SUMMA canister. Do not open the valve on the SUMMA canister. Record on the sample log and COC form the flow controller number with the appropriate SUMMA canister number.
 - Perform a leak-down test by replacing the nut which secures sample tubing with the cap from the canister. This will create a closed system. Open the canister valve and quickly close it; the vacuum should increase approaching 30" Hg. If there are no leaks in the system this vacuum should be held. If vacuum holds proceed with sample collection; if not attempt to rectify the situation by tightening fittings.
4. Connect the Teflon sample collection tubing to the flow controller. Leave the SUMMA canister valve closed at this point.
5. Connect a portable vacuum pump to the purge leg of sample tubing. Purge 3 volumes of air from the vapor probe and sampling line using a portable pump [purge volume = 1.5 Pi r²h] at a rate of

- approximately 100 mL/min. Excessive vacuums should be avoided.
6. If low-flow conditions are encountered (when air flow rate is less than 10 mL/min or when vacuum is greater than 10" mercury), notify the RTO representative to discuss the option of installing a new vapor point.
 7. If necessary, check the seal established around the soil vapor probe by using a tracer gas (e.g., helium) or other method established in the state guidance documents. [Refer to the Administering Helium Tracer Gas SOP, adapted from NYSDOH 2006]
 8. At completion of purge, close the needle valve to isolate sample canister.
 9. Open the SUMMA canister valves. Record on the sample log the time sampling began and the canister pressure. If the initial vacuum pressure registers less than -25 inches of Hg or greater, then the SUMMA canister is not appropriate for use and another canister should be used.
 10. Take photographs of the SUMMA® canister and surrounding area, as appropriate.
 11. Check the SUMMA canister approximately half way through the sample duration and note progress on sample logs.

Termination of Sample Collection

1. Arrive at the SUMMA® canister location at least 30 minutes prior to the end of the sampling interval (e.g., 8-hour).
2. Stop collecting the sample when the canister vacuum reaches approximately 6 inches of Hg (leaving some vacuum in the canister provides a way to verify if the canister leaks before it reaches the laboratory) or when the desired sample time has elapsed, whichever occurs first.
3. Record the final vacuum reading. Stop collecting the sample by closing the SUMMA® canister valve.

- Record the date and local time (24-hour basis) of valve closing in the field notebook, sample collection log, and COC form. Additionally, record the parameters outlined in step 1 of the Initial Sample Collection Section.
4. Close the valve on the sampling port tubing and secure the well cover (if applicable).
 5. Remove the particulate filter and flow controller from the SUMMA® canister, re-install brass plug on canister fitting, and tighten with wrench.
 6. Package the canister and flow controller in the shipping container supplied by the laboratory for return shipment to the laboratory. The SUMMA® canister does not require preservation with ice or refrigeration during shipment.
 7. Complete the appropriate forms and sample labels as directed by the laboratory (e.g., affix card with string).
 8. Complete COC form and place requisite copies in shipping container. Close shipping container and affix custody seal to container closure. Ship to laboratory via overnight carrier (e.g., Federal Express) for analysis.

uses a quadrupole or ion-trap GC/MS with a capillary column to provide optimum detection limits. The GC/MS system requires a 1-liter gas sample (which can easily be recovered from a 6-liter canister). The 6-liter canister also provides several additional 1-liter samples in case subsequent re-analyses or dilutions are required. This system also offers the advantage of the GC/MS detector, which confirms the identity of detected compounds by evaluating their mass spectra in either the SCAN or SIM mode.

Duplicate samples should be collected in the field as a quality assurance step. Generally, duplicates are taken of 10% of samples, but project specific requirements should take precedence.

References

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

Safety Considerations

- The passive SSDS inhibits sub-slab soil vapors from entering the indoor air of the occupied and unoccupied spaces. Therefore, it is **EXTREMELY IMPORTANT** that the system be kept operational during business hours of tenant space, unless otherwise noted in the Work Plan.
- Wear all necessary PPE and follow all associated procedures as outlined in the Health and Safety Plan.

Quality Assurance

SS soil vapor sample analysis will be performed using USEPA TO-15 methodology. This method

		Sub-slab Soil Vapor Sample Collection Log	
		Sample ID:	
Client:		Sampling Depth:	
Project:		Time and Date of Installation:	
Location:		Miscellaneous Equipment:	
Project #:		Moisture Content:	
Samplers:			

Instrument Readings

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)

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

SUMMA Canister Information:

Leak Test Information (if applicable):

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

General Observations/Notes:

Lockheed Martin Corporation SOP for Indoor and Ambient Air Sampling

SOP Author:	AECOM
SOP #	SSDS-26
Revision #	1
Date	January 28, 2015

Description

This SOP provides instructions for performing indoor and outdoor air sampling using USEPA Method TO-15 for VOC analyses.

Abbreviations

COC: Chain of Custody
SOP: Standard Operating Procedure
SSDS: Sub-Slab Depressurization System
USEPA: United States of Environmental Protection Agency
VOC: Volatile Organic Compounds

NOTE: WHEN ENTERING THE TENANT LEASEHOLD, ALL AECOM PERSONNEL WILL INFORM THE SPECIFIED TENANT REPRESENTATIVE THAT WORK IS BEING COMPLETED IN THE TENANT LEASEHOLD.

- Appropriate sized open-end wrench (typically 9/16-inch)
- Sample collection log
- Digital Camera
- Building survey and product inventory form (attached)
- PID (photo-ionization detector) (for use identifying potential background sources during building survey)
- 5-gallon bucket, box, chair, or similar to hold canister above the ground surface
- Lock and Chain
- Caution tape

Indoor Air Sampling

1. One ambient air sample will be collected during each day of indoor air sampling.
2. Duplicate samples will be collected at 10% frequency of total indoor air samples.
3. The indoor air sample locations are presented in Table 1 and Figures 1, 2, and 3 of the Work Plan.
4. The indoor air samples will be collected in 6-liter, batch certified stainless SUMMA® canisters. The samples will be collected through 8-hour flow controllers with in-line particulate filters and vacuum gauges.
5. Sampling personnel **should not** handle hazardous substances (such as gasoline), permanent marking pens, wear/apply fragrances, or smoke cigarettes before and/or during the sampling event.
6. Equipment List:
 - 6-liter, stainless steel SUMMA® canisters (order at least one extra); 8-hour flow controllers with in-line particulate filters and vacuum gauges (order an extra set for each extra SUMMA® canister)

Initiation of Sample Collection

1. Record the following information on the sampling form (use a hand-held weather meter, or contact the local airport or other suitable information source [e.g., weatherunderground.com] to obtain the following information):
 - ambient temperature
 - barometric pressure
 - wind speed
 - relative humidity
2. For each sample location, place the SUMMA® canister on a surface 3 to 5 feet above ground or floor surface. If the canister will not be overseen for the entire sampling period, secure the canister as appropriate (e.g., locks and chain, caution tape).
3. Record sample point location, SUMMA® canister serial number, gauge ID and flow controller number in the field

- notebook, sample collection log, and COC form.
 4. Remove the brass dust cap from the SUMMA® canister. Attach the flow controller with in-line particulate filter and vacuum gauge (leave swage-lock cap on the vacuum gauge during this procedure) to the SUMMA® canister with the appropriate-sized wrench. Tighten with fingers first, then gently with the wrench.
 5. Connect the extra brass dust cap included with the sample equipment to the open end of the flow controller. Tighten the dust cap. Test the integrity of the SUMMA® canister by performing a leak test as follows:
 - a. Open the canister with the brass dust cap connected to the end of the flow controller. If the pressure gauge indicates ZERO pressure loss, the SUMMA® canister has passed the leak test. If a drop in pressure is noted during the leak test, the integrity of the canister is no good. Send the canister back to the laboratory, indicating on the COC that the canister did not pass the leak test.
 6. Once the canister has passed the leak test, close the canister and remove the brass dust cap from the end of the flow controller. Open the SUMMA® canister valve to initiate sample collection. Record the date and local time (24-hour basis) of valve opening in the field notebook, sample collection log, and COC form.
 7. If the initial vacuum pressure does not register less than -28 inches of Hg, then the SUMMA® canister is not appropriate for use and another canister should be used. If another canister is required, repeat steps 2 through 6 of this SOP as necessary.
- collection log, and COC form. Additionally, record the parameters outlined in step 1 of this SOP.
 4. Remove the particulate filter and flow controller from the SUMMA® canister, re-install brass plug on canister fitting, and tighten with wrench.
 5. Package the canister and flow controller in the shipping container supplied by the laboratory for return shipment to the laboratory. The SUMMA® canister does not require preservation with ice or refrigeration during shipment.
 6. Complete the appropriate forms and sample labels as directed by the laboratory (e.g., affix card with string).
 7. Complete COC form and place requisite copies in shipping container. Close shipping container and affix custody seal to container closure. Ship to laboratory via overnight carrier (e.g., Federal Express) for analysis.

Termination of Sample Collection

1. Arrive at the SUMMA® canister location at least 10 to 15 minutes prior to the end of the sampling interval (e.g., 8-hour).
2. Stop collecting the sample when the canister vacuum reaches approximately 6 inches of Hg (leaving some vacuum in the canister provides a way to verify if the canister leaks before it reaches the laboratory) or when the desired sample time has elapsed, whichever occurs first.
3. Record the final vacuum reading. Stop collecting the sample by closing the SUMMA® canister valve. Record the date and local time (24-hour basis) of valve closing in the field notebook, sample

Safety Considerations

- The passive SSDS inhibits sub-slab vapors from entering the indoor air of the occupied and unoccupied spaces. Therefore, it is **EXTREMELY IMPORTANT** that the system be kept operational during business hours of tenant space, unless otherwise noted in the Work Plan.
- Wear all necessary PPE and follow all associated procedures as outlined in the Health and Safety Plan.

Quality Assurance

Indoor air or ambient air sample analysis will be performed using USEPA Method TO-15. This method uses a quadrupole or ion-trap GC/MS with a capillary column to provide optimum detection limits. The GC/MS system requires a 1-liter gas sample (which can easily be recovered from a 6-liter canister) to provide a 0.5 ppbv detection limit. The 6-liter canister also provides several additional 1-liter samples in case subsequent re-analyses or dilutions are required. This system also offers the advantage of the GC/MS detector, which confirms the identity of detected compounds by evaluating their mass spectra in either the SCAN or SIM mode.

Duplicate samples should be collected in the field as a quality assurance step. Generally, duplicates are taken of 10% of samples, but project specific requirements should take precedence.

		Indoor Air/Ambient Air Sample Collection Log	
		Sample ID:	
Client:		Outdoor/Indoor:	
Project:		Sample Intake	
Location:		Tubing Information:	
Project #:		Miscellaneous Equipment:	
Samplers:		Time On/Off:	
Sample Point Location:			

Instrument Readings:

Date	Time	Canister Vacuum (a) (inches of Hg)	Temperature (°F)	Relative Humidity (%)	Air Speed (mph)	Barometric Pressure (inches of Hg)	PID (ppb)

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

SUMMA Canister Information:

Size (circle)	1 L	6 L
Canister ID:		
Flow		
Notes:		

General Observations/Notes:

**NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name _____ Date/Time Prepared _____

Preparer's Affiliation _____ Phone No. _____

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

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

Other characteristics:

Number of floors _____ Building age _____

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

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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

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

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

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

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

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

7. OCCUPANCY

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

Level **General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**

Basement	<hr/>
1 st Floor	<hr/>
2 nd Floor	<hr/>
3 rd Floor	<hr/>
4 th Floor	<hr/>

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- | | |
|---|------------------------------------|
| a. Is there an attached garage? | Y / N |
| b. Does the garage have a separate heating unit? | Y / N / NA |
| c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) | Y / N / NA
Please specify _____ |
| d. Has the building ever had a fire? | Y / N When? _____ |
| e. Is a kerosene or unvented gas space heater present? | Y / N Where? _____ |
| f. Is there a workshop or hobby/craft area? | Y / N Where & Type? _____ |
| g. Is there smoking in the building? | Y / N How frequently? _____ |
| h. Have cleaning products been used recently? | Y / N When & Type? _____ |
| i. Have cosmetic products been used recently? | Y / N When & Type? _____ |

- j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____
- k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____
- l. Have air fresheners been used recently? Y / N When & Type? _____
- m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____
- o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building?

Y / N

If yes, please describe: _____

Do any of the building occupants use solvents at work?

Y / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work?

Y / N

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

Yes, use dry-cleaning regularly (weekly)

No

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

Unknown

Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

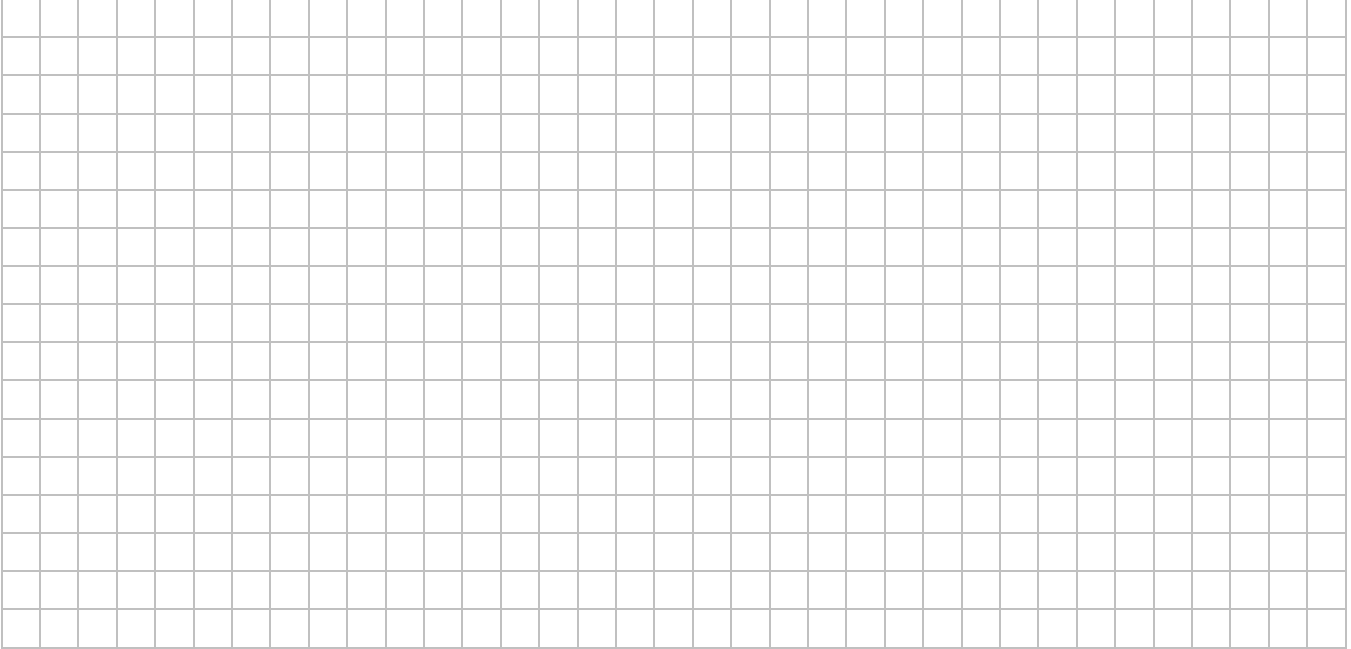
c. Responsibility for costs associated with reimbursement explained? Y / N

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

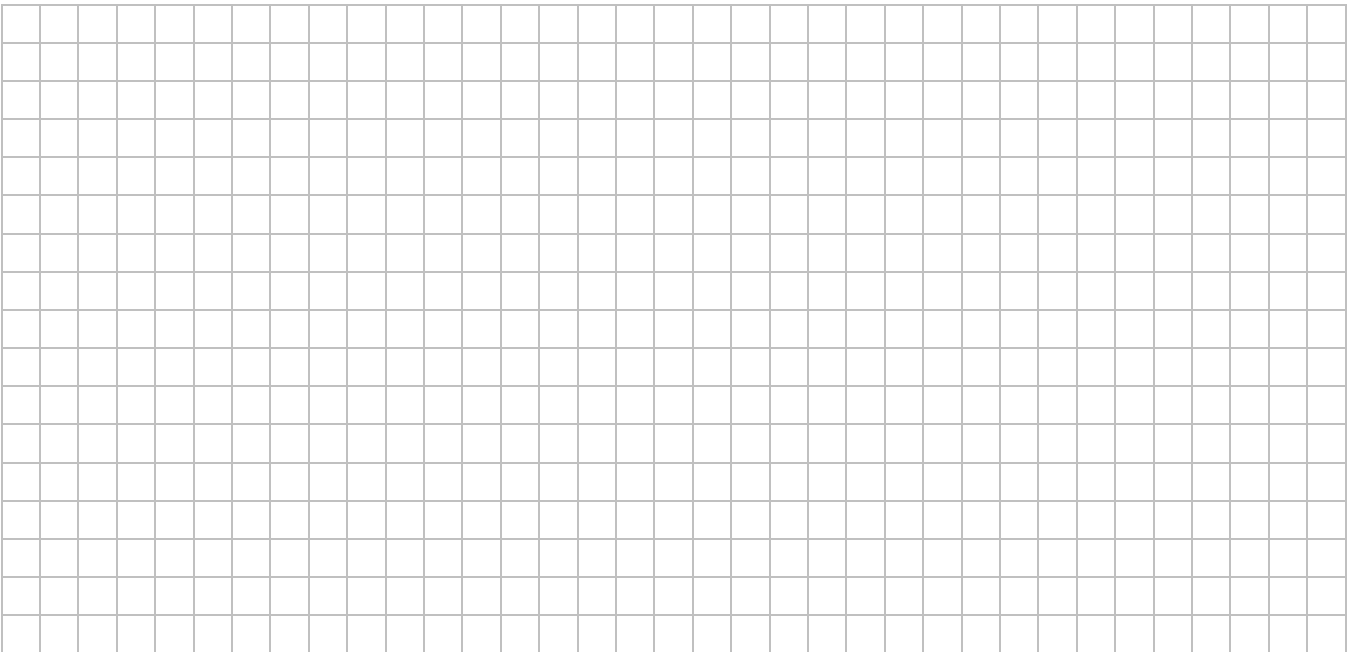
11. FLOOR PLANS

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

Basement:



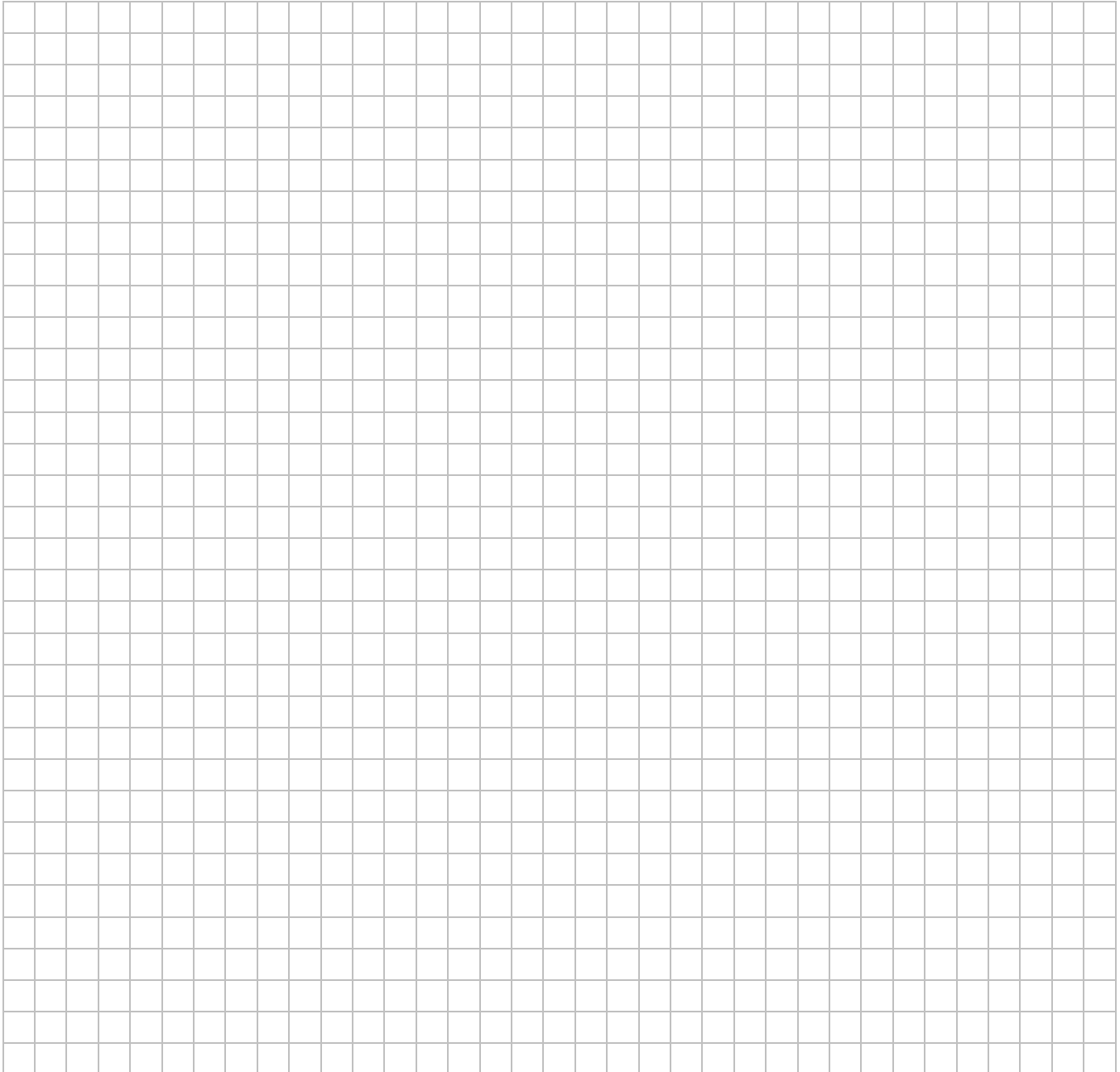
First Floor:



12. OUTDOOR PLOT

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

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



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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

[illegible]

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

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

**APPENDIX B—2016 SOIL VAPOR SAMPLING WORK PLAN FOR THE
LA FITNESS BUILDING, FORMER UNISYS FACILITY, LAKE SUCCESS,
NEW YORK**



February 4, 2016

Mr. Girish Desai
Project Manager
Division of Environmental Remediation
New York State Department of Environmental Conservation
Region I Headquarters
50 Circle Road
Stony Brook, NY 11790-3409

**Re: 2016 Soil Vapor Sampling Work Plan for the LA Fitness Building.
Former Unisys Facility (Site No. 130045), 1111 Marcus Avenue, Lake Success, New York.**

Dear Mr. Desai:

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc. (Tetra Tech) has prepared this 2016 Soil Vapor (SV) Sampling Work Plan for the LA Fitness Building at the former Unisys Facility in Lake Success, New York. The scope of work for the LA Fitness Building supplements the scope of work proposed in the Work Plan dated and submitted to you on December 23, 2015 and incorporates the comments of New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH) provided on January 14th 2016. A revised work plan that will include this information will be prepared for your approval.

As per the comments received from NYSDEC and NYSDOH, the proposed 2016 SV monitoring activities should also include further delineation of the nature and extent of contaminated soil vapor underneath the LA Fitness Building. The collected data will be reviewed in context with the historical data to evaluate temporal changes to concentrations in soil vapor and to assess the distribution of chemicals of concern (COCs) beneath the LA Fitness Building.

Soil vapor sampling activities will be conducted in accordance with this approved Work Plan, Standard Operating Procedures and the Tetra Tech Site Specific Health and Safety Plan.

Proposed 2016 SSV Monitoring Locations

Figure 1 provides the SSV locations that were sampled in 2015 along with the reported concentrations of PCE and TCE. The results of the 2015 sampling event were compared to the NYSDOH Matrix Tables 1 and 2. The Matrix Tables provide recommended actions when sub-slab soil vapor and co-located indoor air data are compared. Modifications to recommended actions may be appropriate, based on site and building specific conditions.

To further delineate the nature and extent of COCs beneath the LA Fitness Building four additional SSV points are proposed. These are currently identified as PROP-1 through PROP-4 (Figure 2). These samples

TETRA TECH

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Tel 908.534.2303 Fax 908.534.4709 www.tetrattech.com

will be re-designated with the grid-based nomenclature once the proposed locations have been finalized. The rationale for the selection of these proposed locations are:

- PROP-1 is to be located as close as possible to the north wall of the LA Fitness Building (Figure 2). A recent walk-through of LA Fitness noted that areas closest to the north wall are occupied by racquet ball and basketball courts, a yoga room and a Day Care Center. The courts have newly installed hardwood floors and installing SSV points in these spaces may be problematic. Current monitoring locations SS-C1 and SS-C20 are outside of these areas and the proposed location PROP-1 will be installed in-line with SS-C1 and SS-C20. PROP-1 would serve to delineate PCE at SS-E16 to its north and to the west of SS-C20.
- PROP-2 will be located close to the east wall between existing SS-C20 and SS-H21 (Figure 2). This area is an open hallway between the Day Care Center and the Café. Again, this proposed sample will help to further delineate COC detections at SS-E16 and SS-C20.
- PROP-3 will be located between SS-H21 and SS-E16 and would serve to delineate to the south the COC detections at SS-E16 (Figure 2). This proposed location is close to the swimming pool and may need to be moved to the north and east.
- PROP-4 will be located to the west of PROP-5 (Figure 2). Note that a swimming pool is to the south of the proposed location and a rubberized floor area is to the north. This may bound its location but PROP-4 would provide coverage between SS-E10 and SS-H21.

Note that these locations are preliminary based on an inspection of the LA Fitness Building and may be subject to relocation if the locations do not meet the approval of LA Fitness or if sub-surface utilities/obstructions are found during a sub-surface survey using ground penetrating radar (GPR).

SSV and IA Sampling for the LA Fitness Building

The 2016 sampling plan for LA Fitness will include the SSV locations sampled in 2015 and the four proposed 2016 SSV locations. The sampling plan will include sampling sub-slab soil vapor from the basement area and co-located indoor air sampling at all SSV locations (both those sampled in 2015 and the new locations proposed for 2016).

The Revised Work Plan for LA Fitness includes:

1. Collect a SSV sample from the LA Fitness basement area without entering the basement, while the passive SSDS is in operation.
2. Collect paired SSV and IA samples from all prior and proposed SSV locations.

SSV Sample from Basement (IA-12)

One SSV (basement IA-12) sample will be collected from the LA Fitness basement area; IA-12 is considered a SSV sample rather than an IA sample because the basement is completely closed and unconnected to any indoor spaces. Previous attempts to drill a hole through the hatch to insert a sampling port have proved unsuccessful. The method employed in 2015 involved opening the hatch to insert a hard Teflon

sampling tube and sealing the remaining opening with low VOC hard plastic and tape. A similar approach is proposed for 2016. The temporary sampling port will be secured with appropriate covering and signage to indicate the presence of the sampling port.

Paired SSV and IA Sampling

Once all the proposed 2016 SSV points have been installed, all SSV points will be sampled along with paired IA samples. The proposed IA and SS samples are listed below:

Sub-Slab Vapor (SSV)	Indoor Air (IA)
SS-C1	IA-C1
¹ SS-C20	IA-C20
² SS-D7	IA-D7
SS-E10	IA-E10
SS-E16	IA-E16
SS-G5	IA-G5
SS-H21	IA-H21
SS-PROP1	IA-PROP1
SS-PROP2	IA-PROP2
SS-PROP3	IA-PROP3
SS-PROP4	IA-PROP4
TOTAL of 11 SSV + 2 Duplicate Samples	TOTAL of 11 IA + 2 Duplicate Samples

¹ Formerly, SS-14

² Formerly, SS-LAC8

Duplicates will also be collected at a rate of 10% for both SSV and IA samples; locations for duplicate samples will be determined at the time of the event. One ambient air sample per day of IA sampling will be collected outdoor and upwind of the LA Fitness building during the event.

FIGURES

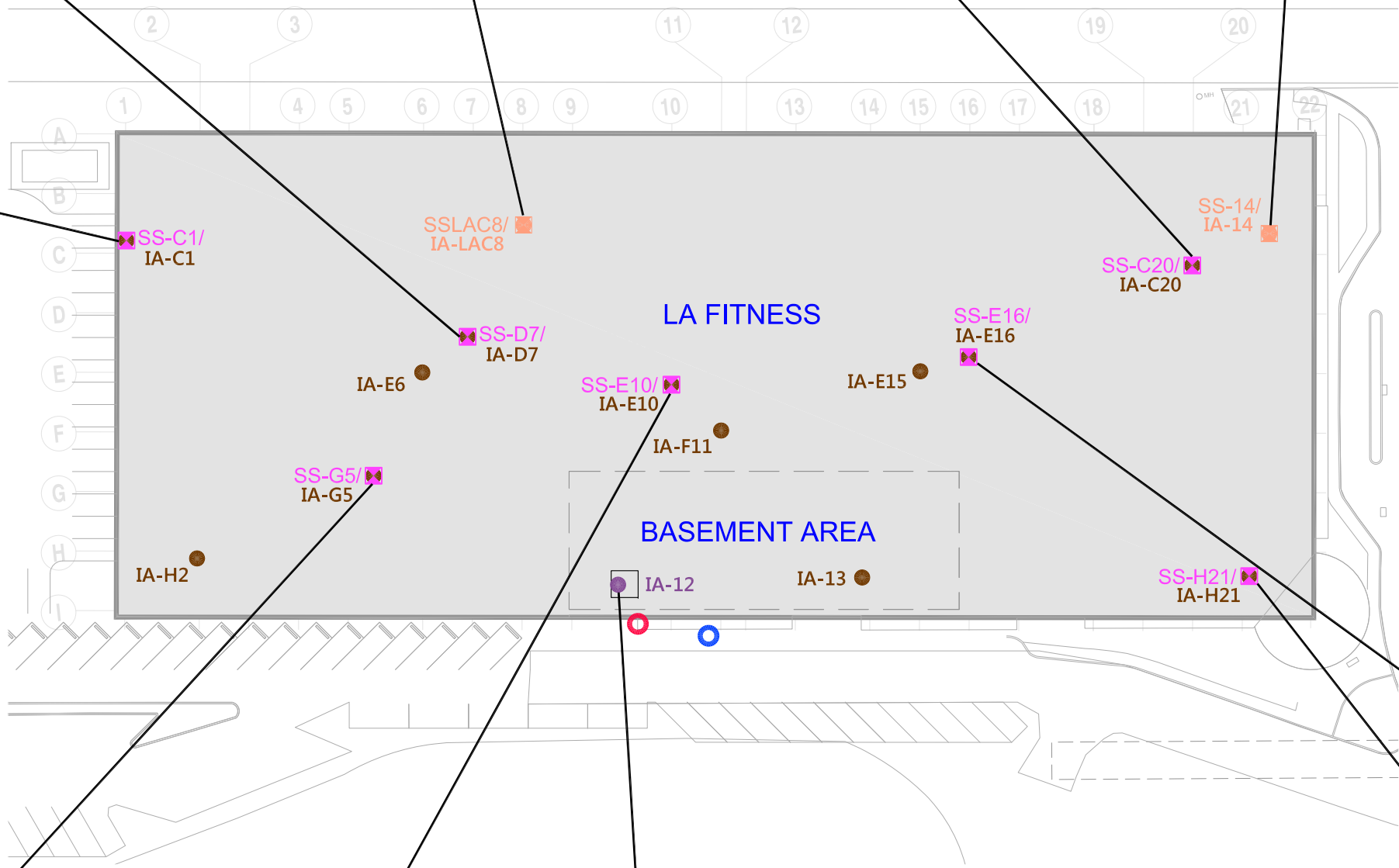
SS-D7			
	Mar-15	Mar-15 DUP	Jul-15
PCE	8	28	11
TCE	36	130	21

SSLAC8			
	Mar-13	Mar-15	Jul-15
PCE	22	NA	NA
TCE	71	NA	NA

SS-C20			
	Mar-15	Jul-15	Jul-15 DUP
PCE	320	790	530
TCE	ND	2.6	1.6

SS-14		
	Mar-15	Jul-15
PCE	NA	NA
TCE	NA	NA

SS-C1		
	Mar-15	Jul-15
PCE	3.2	NA
TCE	ND	NA



SS-G5		
	Mar-15	Jul-15
PCE	10	NA
TCE	ND	NA

SS-E10		
	Mar-15	Jul-15
PCE	55	13
TCE	82	38

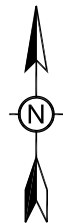
IA-12							
	Mar-07	Dec-07	Jan-08	Mar-08	Feb-15	Mar-15	Jul-15
PCE	18	64	ND	81	7.8	22	NA
TCE	9.2	14	ND	15	2.9	9.3	NA

SS-E16		
	Mar-15	Jul-15
PCE	1,200	47
TCE	2.3	0.22

SS-H21		
	Mar-15	Jul-15
PCE	94	NA
TCE	1.1	NA

NOTES:

- SUB-SLAB MONITORING POINTS SS-LAC8 AND SS-14 WERE REPLACED BY NEW MONITORING POINTS SS-07 AND SS-C20, RESPECTIVELY DURING 2015.
- SS-MONITORING POINTS SS-C1, SS-E10, SS-E16, SS-G5 AND SS-H21 WERE INSTALLED IN THE LA FITNESS BUILDING DURING 2015.



TITLE: 2015 VI SAMPLING LOCATIONS - LA FITNESS
2016 SV MONITORING WORK PLAN

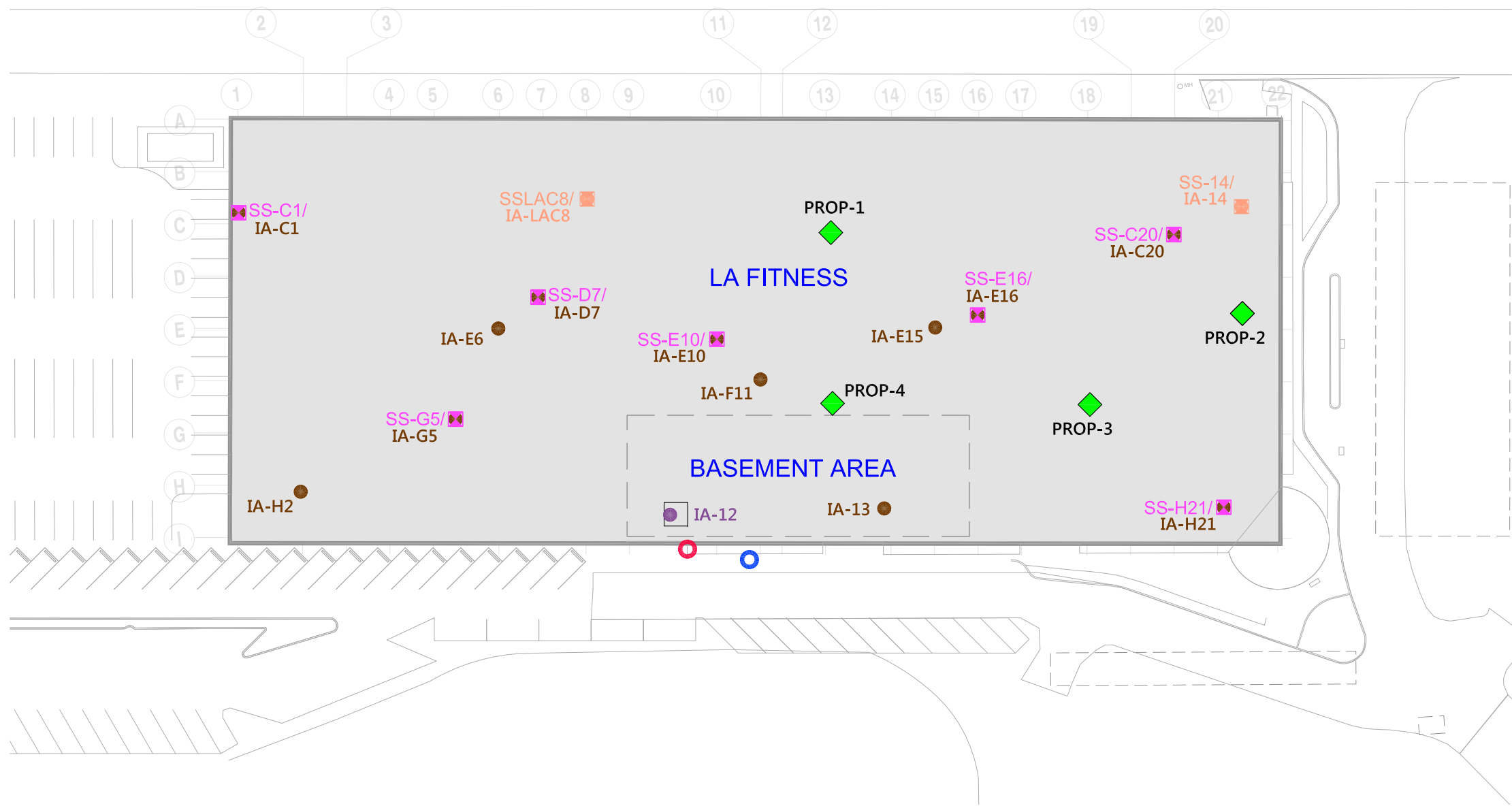
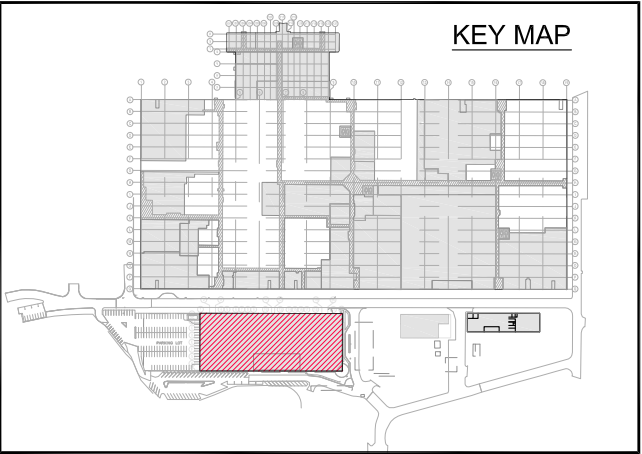
LOCATION: Former UNISYS Facility
Lake Success, New York



TETRA TECH

APPROVED	TJ
DRAFTED	CP
PROJECT#	117-0507644
DATE	1-26-16

FIGURE
1

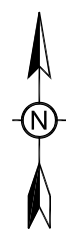
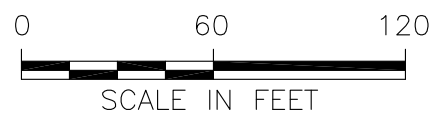



LEGEND

- IA-13 INDOOR AIR SAMPLE LOCATION
- SS-14/ IA-14 HISTORIC SUB-SLAB SOIL VAPOR/INDOOR AIR SAMPLE LOCATIONS
- SS-C1/ IA-14 PAIRED SUB-SLAB SOIL VAPOR/INDOOR AIR SAMPLE LOCATIONS
- IA-12 BASEMENT AIR SAMPLE LOCATION
- PASSIVE VENT EXHAUST
- PASSIVE VENT INLET
- ◆ PROP-4 PROPOSED 2016 SUB-SLAB SOIL LOCATION

NOTES:

- SUB-SLAB MONITORING POINTS SS-LAC8 AND SS-14 WERE REPLACED BY NEW MONITORING POINTS SS-07 AND SS-C20, RESPECTIVELY DURING 2015.
- SS-MONITORING POINTS SS-C1, SS-E10, SS-E16, SS-G5 AND SS-H21 WERE INSTALLED IN THE LA FITNESS BUILDING DURING 2015.



TITLE: 2016 VI SAMPLING LOCATIONS - LA FITNESS 2016 SV MONITORING WORK PLAN			
LOCATION: Former UNISYS Facility Lake Success, New York			
 TETRA TECH	APPROVED	TJ	FIGURE 2
	DRAFTED	CP	
	PROJECT#	117-0507644	
	DATE	1-29-16	

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**APPENDIX C—OPERABLE UNIT 1 SUB-SLAB DEPRESSURIZATION
SYSTEM, OPERATIONS, MAINTENANCE, AND MONITORING REPORT,
DECEMBER 1, 2015 – FEBRUARY 29, 2016, FORMER UNISYS
FACILITY, LAKE SUCCESS, NEW YORK**

Operable Unit 1 Sub-Slab Depressurization System, Operations, Maintenance and Monitoring Report, December 1, 2015-February 29, 2016 Former Unisys Facility Lake Success, New York NYSDEC Site ID# 130045

Prepared for:

Lockheed Martin Corporation
7000 Calmont Avenue, Suite 300 MS 2010
Fort Worth, Texas 76116

Prepared by:

Tetra Tech, Inc.

May 2016

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
ACRONYMS	IV
1.0 INTRODUCTION.....	1-ERROR! BOOKMARK NOT DEFINED.
2.0 SSDS DESCRIPTION	2-ERROR! BOOKMARK NOT DEFINED.
3.0 SYSTEM OM&M AND OPTIMIZATION ..	3-ERROR! BOOKMARK NOT DEFINED.
4.0 SSDS PERFORMANCE MONITORING .	4-ERROR! BOOKMARK NOT DEFINED.
5.0 SSDS PERFORMANCE RESULTS	5-ERROR! BOOKMARK NOT DEFINED.
6.0 SUMMARY AND RECOMMENDATIONS	6-ERROR! BOOKMARK NOT DEFINED.
8.0 REFERENCES.....	7-ERROR! BOOKMARK NOT DEFINED.

APPENDICES

**APPENDIX A—DAILY OPERATION AND MAINTENANCE LOG (DECEMBER 2015-
FEBRUARY 2016)**

**APPENDIX B—VPGAC SAMPLING ANALYTICAL RESULTS AND DATA USABILITY
REPORTS (JANUARY 2016)**

APPENDIX C – LA FITNESS PASSIVE VENT INSPECTION

LIST OF FIGURES

(Figures and Tables follow Section 7)

Figure 1	Site Location Map
Figure 2	iPark Building Plan
Figure 3	SSDS Process Flow Diagram
Figure 4	SSDS Process Flow Diagram

Figure 5	Monthly Runtime Efficiency, Daily Runtime and Combined Flow Rate
Figure 6	Isobars of Sub-Slab Differential Pressure (Average Reading)

LIST OF TABLES

Table 1	List of Extraction Points, Sub-slab Monitoring Points and RSMs
Table 2	SSDS Operational Summary
Table 3	Extraction Points Operational Data
Table 4	Routine Maintenance Summary
Table 5	Results of DPM - Average Readings
Table 6	Analytical Results of VPGAC Sampling
Table 7	Cumulative VOC Mass Removal
Table 8	SSDS Effluent Air Emissions

ACRONYMS

$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
%	Percent
AGC	Annual Guideline Concentration
CMMS	Computerized Maintenance Management System
DAR-1	Division of Air Resources Air Guide-1
DPM	Differential Pressure Measurement
EP	Extraction Point
in	inches
in. WC	inches of water column
iPark	iPark Lake Success LLP
lbs	pounds
lbs/hr	pounds per hour
Lockheed Martin	Lockheed Martin Corporation
Loral	Loral Corporation
MCP	Main Control Panel
mrem	millirem

NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OM&M	operation, maintenance, and monitoring
OU1	Operable Unit Number 1 as designated in the Record of Decision
PCE	Tetrachloroethene
pCi/L	picocurie per liter
pCi/L-days	picocurie per liter days
RSM	Room Status Monitors
SCADA	Supervisory Control and Data Acquisition
scfm	Standard Cubic Feet Per Minute
SGCs	Short-Term Guideline Concentrations
Sperry	Sperry Gyroscope Company
SS	Sub-Slab
SSDS	Sub-Slab Depressurization System
SVE	Soil Vapor Extraction
TCE	Trichloroethene
TENORM	Technically Enhanced Naturally Occurring Radioactive Material
Tetra Tech	Tetra Tech, Inc.
URS	URS Corporation, now a part of AECOM
USEPA	United States Environmental Protection Agency
VI	Vapor Intrusion
VOC	Volatile Organic Compound
VPGAC	Vapor-Phase Granular Activated Carbon

Section 1

Introduction

Tetra Tech, Inc. (Tetra Tech) has prepared this operation, maintenance, and monitoring report on behalf of Lockheed Martin Corporation (Lockheed Martin) to document activities performed between December 1, 2015 and February 29, 2016 at the former Unisys Facility Great Neck (site) located at 1111 Marcus Avenue in Lake Success, New York. The site location is shown on Figure 1.

This report summarizes the Operable Unit 1 (OU1) Sub-Slab Depressurization System (SSDS) operation, maintenance and monitoring (OM&M) activities performed by Tetra Tech. Lockheed Martin contracted Tetra Tech to continue operations, maintenance and monitoring of the OU-1 SSDS on September 1, 2015 after a full month of training and other transition activities. The system had previously been operated since 2013 by URS/AECOM.

This report is organized as follows:

Section 2—SSDS Description: Briefly describes the major components of the SSDS.

Section 3— System OM&M and Optimization: Briefly describes operation and monitoring activities.

Section 4—SSDS Performance Monitoring: Summarizes the performance sampling and monitoring activities completed during the reporting period.

Section 5—SSDS Performance Results: Summarizes system operation and performance during the reporting period.

Section 6—Summary and Recommendations: Describes the recommendations and action items planned for the next reporting period.

Section 7—References: Lists the references used in this report.

1.1 SITE HISTORY

The former Unisys Facility (referred to as Unisys Site No. 130045) was an active manufacturing facility from its start-up in 1941 until approximately 1995, when most manufacturing activities ceased. Some limited assembly, integration, prototype development and testing, and/or engineering and administrative activities were still being conducted at the Site through early 1999. The facility was originally designed and built by the United States Government and was operated under a contract with the Sperry Gyroscope Company (Sperry) from 1941 to 1951. In 1951, the property was sold to Sperry, which merged with Burroughs in 1986 to form the Unisys Corporation. In 1995, Loral Corporation (Loral) acquired the assets of Unisys Defense Systems, a division of Unisys Corporation. In early 1996, Loral's electronics and systems integration businesses were purchased by Lockheed Martin. The property was sold by Lockheed Martin in early 2000 to iPark, Lake Success, LLP (iPark), which converted the buildings to commercial space. The current owner of the property is Apollo Lake Property, LLC and Marcus Avenue Unit Two Owner, LLC.

The 90.5 acre facility includes the main former manufacturing building with attached office building (iPark Building) and three smaller buildings (referred to as LA Fitness, Powerhouse, and SSDS facility [formerly a NY Times Garage]) located south of the main former manufacturing building. The balance of the property consists of paved areas (parking lots) and three storm water retention basins. The iPark Building Plan including current major tenants is shown on Figure 2. The main former manufacturing building is referred to as the main building in this OM&M Report.

The facility was used to manufacture a wide range of defense-related products including navigational systems for United States Navy nuclear submarines (Trident Program), navigational SONAR equipment, RADAR tracking systems (North Warning System), and weather RADAR systems (NEXRAD). Past manufacturing processes included the following: metal casting, chemical etching, degreasing, plating, painting, metal finishing, machining, electronic circuit board manufacture, and assembly. Chemicals used during manufacturing at the plant included halogenated and non-halogenated hydrocarbon solvents, cutting oils, paints, fuel oils, acids, caustics, and inorganic plating compounds.

1.2 PREVIOUS VAPOR INTRUSTION INVESTIGATIONS

Vapor intrusion (VI) investigations began at the Site in March 2007 following a New York State Department of Environmental Conservation (NYSDEC) approved work plan prepared in accordance with the New York State Department of Health (NYSDOH) final Vapor Intrusion Guidance in 2006 (NYSDOH, 2006). Following multiple rounds of sampling, it was verified that volatile organic compounds (VOC) were detected in indoor air and sub-slab soil vapor in portions of the iPark Building at concentrations requiring mitigation based on the NYSDOH VI Guidance (NYSDOH, 2006). Thus, as an interim measure during 2008, two temporary SSDSs (Eastern and Central) were installed and operated until the site-wide SSDS full operation started in September 2013. The annual VI and performance monitoring sampling showed that VOC levels in indoor air were reduced below the NYSDOH indoor air levels in areas where interim SSDSs were operating. Both tetrachloroethene (PCE) and trichloroethene (TCE) levels in sub-slab soil vapor were either decreasing or remaining consistent with previous findings. Thus, Lockheed Martin proceeded with design and construction of a site-wide SSDS throughout the main building and the SSDS facility (former NY Times garage), subsequent to approval of the Vapor Mitigation Conceptual Design (ARCADIS, 2010).

1.3 PURPOSE AND SCOPE

The purpose of this OM&M Report is to document site-wide SSDS OM&M activities conducted between December 1, 2015 and February 29, 2016 (the reporting period). In general, this OM&M Report summarizes the following:

- SSDS Operational Data and System Parameters;
- Routine and Non-Routine Maintenance Activities;
- Performance Monitoring Results; and
- Summary and Recommendations.

Section 2

SSDS Description

2.1 OBJECTIVE

The primary objective of the site-wide SSDS is to reduce the potential for sub-slab (SS) vapors to enter the main building and the SSDS facility. To achieve this, the site-wide SSDS is expected to maintain a differential pressure of at least negative 0.004 (-0.004) inches of water column (in. WC) between the sub-slab and the interior of each of the buildings (Main building and SSDS facility). The major site-wide SSDS components are described in this section.

2.2 COMPONENTS

The site-wide SSDS major process and mechanical components include:

- A total of 60 EPs (Extraction Point) located approximately 120 feet apart throughout the main building and the SSDS facility, based on the design radius of influence (Figure 2, Table 1). The EPs are built with 4-inch (in) diameter carbon steel piping installed beneath the building floor slab. Each EP riser is equipped with a flow and pressure transmitter, and an automated control valve to regulate the flowrate and pressure. The flow meter has a range of 0 to 120 standard cubic feet per minute (scfm).
- Three soil vapor extraction (SVE) wells, SVE-H09, SVE-G11 and SVE-H11P, in the center of the main building (Figure 2, Table 1).

-
- A 24-in conveyance header pipe connects all individual EPs and SVE wells to process equipment in the SSDS Facility. The main header pipe was installed underground between the main building and the SSDS facility.
 - A 200-gallon moisture separator tank (T-100, Circle S model Type LF) is located below grade inside the SSDS facility. The tank is equipped with four level sensors – the high level sensor starts the transfer pump; the low level sensor shuts down the moisture transfer pump (PLC interlock); low-low level sensor shuts down the moisture transfer pump (hardwired interlock); and the high-high level sensor shuts down the system.
 - When the moisture in the moisture separator tank reaches the high level sensor, the accumulated fluid is automatically pumped into a 2,500-gallon double-walled high density cross-link polyethylene above ground condensate storage tank (T-130) for temporary storage. The condensate storage tank also has a low level sensor and a high-level sensor to enable and disable the transfer pump. The condensate transfer pump is operated manually for transfer to a truck mounted tank for disposal at the OU-1 groundwater treatment system also on the site when required.
 - Four 150 horsepower blowers (Kaeser HB950C Rotary Blowers) equipped with up-stream air filters for particulate removal.
 - A heat exchanger/water chiller system comprised of a heat exchanger (HE-600 model C-300), water chiller/condenser (CH-1, Trane model RTUD 80 HE version 135), diaphragm expansion tank, air separator, condenser, and transfer pump downstream of the blowers designed to remove heat from extracted vapors prior to entering the carbon vessels, if needed. The moisture generated from the vapor stream downstream of the blowers is routed to the moisture separator tank T-100.
 - A remote condensing unit (CD-650, Trane) to release heat gained from cooling of the vapor stream at the heat exchanger. The condensing unit is located on the roof of the SSDS facility.

-
- Two 10,000-pound (lb) vapor phase granular activated carbon (VPGAC) vessels (T-750 & T-740, TIGG NB-12 Carbon Adsorber) in a series configuration for VOC adsorption. The carbon vessels contain virgin granular activated coconut shell carbon.
 - A Supervisory Control and Data Acquisition (SCADA) system for continuous monitoring of operational data.
 - A Computerized Maintenance Management System (CMMS) for management of maintenance data.
 - A main control panel (MCP) equipped with a Human Machine Interface is accessible at the workstations in the Control Room.
 - An alarm system, including four security cameras feeding live footage of the equipment rooms and building exterior, was installed at the SSDS facility. Each of these cameras feeds live footage to the Network Video Recorder and security workstation located inside the Control Room. In addition to the cameras, the security system also is equipped with door contacts for each exterior door. In the event of an intrusion, the door contacts transmit a signal to the MCP, which sends out an alarm if the entrant fails to disarm the door contact prior to the expiration of a timer delay.
 - Generac 250 kW/312.5 KVA back-up power generator to maintain system operation during power loss events. The Unit has an automatic transfer switch for automated operation in the event of power loss.
 - The backup generator has a 500 gallon UL142 sub-based fuel tank for diesel fuel storage. The fuel tank is equipped with a fuel fill alarm. A fuel fill box is installed outside on the western wall of the SSDS facility for bulk fuel delivery. The fuel fill box has a 5-gallon spill capacity.

Details of all major SSDS components are included in the site-wide SSDS OMM Manual (AECOM, 2015). The Process Flow Diagram and Piping and Instrumentation Diagram are presented in Figures 3 and 4, respectively.

For the purposes of performance monitoring, the site-wide SSDS includes following provisions:

- A total of 110 SS-monitoring points are available for differential pressure monitoring in the main building and the SSDS facility (Figure 3, Table 1). The SS-points are approximately 80 feet apart from an individual EP. Eight additional SS-points were inaccessible or destroyed during previous construction (Table 1).
- A total of 13 Dwyer Room Status Monitors (RSMs) are located in the main building and the SSDS facility (Figure 2, Table 1). The RSMs are mounted on walls throughout the main building and the SSDS facility, and are equipped with a backlit Liquid-Crystal-Display screen, which provides a local digital read out of differential pressure transmitted under the floor slab. The readings are also reported to the SCADA system.
- Sample ports are available in each of the EP risers as well as upstream of the lead vapor phase carbon vessel, downstream of the lag carbon vessel, and at an intermediate location between the two vessels.

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Section 3

System OM&M and Optimization

3.1 OPERATIONS

3.1.1 System Operation

The site-wide SSDS and SCADA system are monitored by an on-site operator for real-time system control between normal working hours on weekdays. During weekends, holidays, and after normal working hours, operating parameters are checked remotely via an online connection to the SCADA system. On-site review also includes identification of any signs of wear, vibration, tampering and loose fittings in the SSDS assembly. Some of the highlights of system operation during the reporting period are as follows:

- The site-wide SSDS operated continuously with all extraction points on-line.
- The system uptime was 2,174 hours out of 2,184 hours (99.5+ percent [%] of the time available) other than brief shutdowns for equipment adjustments.
 - The system was offline on January 6th for approximately 6 minutes to alternate the blowers.
 - The system was offline from 18:06 on January 19th to 01:10 on January 20th to tie the new SVE point (SVE-H09) in to the rest of the system.
 - The system was offline from 06:05 to 08:00 on January 27th to perform remote programming for SVE-H09.

-
- The total flowrate was in the range of 2,915 scfm to 4,106 scfm, and the manifold vacuum remained steady at approximately 66 in. WC.
 - The chiller remained offline during this reporting period with the exception of weekly tests. The blower discharge temperature has been between 65 degree Fahrenheit (°F) and 120 °F, which was optimal for the purposes of the carbon treatment of the vapor stream and thus further cooling by the chiller was not required.
 - Carbon vessel T-750 was the lead vessel, and vessel T-740 was the lag vessel during this reporting period.
 - No health and safety related incidents occurred at the SSDS facility.

The SSDS operator recorded average header flowrate and vacuum, blower configuration and speed, RSM readings, system uptime percentage, alarm summary, maintenance and repair activities, upcoming maintenance and downtime, and actions taken during the weekly system review in weekly inspection reports. The weekly reports are distributed to Lockheed Martin and stored in project files for review. In addition, monthly progress reports were prepared to document runtime for all EPs, total flowrate of individual EPs, total system runtime, percentage runtime, downtime (if any) and reason, repairs, maintenance, health and safety incidents, emergency or weather incidents, differential pressure measurements (DPMs), and carbon sampling. Monthly reports are also distributed to Lockheed Martin and maintained in project files for review.

3.1.2 Operating Efficiency

The site-wide SSDS has been in continuous operation since September 2013, with only minor planned shutdowns. During this reporting period, the site-wide SSDS was in operation for 2,174 hours out of the available 2,184 hours, representing greater than 99.5% uptime, well above the project objective of a minimum 95% uptime. The monthly operational uptime efficiency for the reporting period is shown on Figure 5. The daily system runtime as well as cumulative runtime for this reporting period are also summarized on Figure 5. A summary of daily operation and performance monitoring activities is presented in Table 4. The system is designed to provide a total

flowrate up to 6,000 scfm and manifold vacuum up to 100 in. WC, the total flowrate was in the range of 2,915 scfm to 4,106 scfm, and the manifold vacuum remained steady at approximately 66 in. WC during this reporting period, below the full available capacity of SSDS (Figure 4). The flowrate, vacuum and valve position data for individual EPs for this reporting period are included in Table 3.

3.1.3 Condensate Water

No condensate was transferred from the Condensate Storage Tank (T-130) during this reporting period.

3.2 MAINTENANCE

3.2.1 Routine Maintenance

Routine maintenance for all major equipment was performed in accordance with the site-wide OM&M Manual (AECOM, 2015) and manufacturers' suggested frequencies. The individual equipment maintenance was scheduled and tracked using the JOB Plus® software, which is a Computer Maintenance Management System (CMMS). The preventative and predictive maintenance was conducted in accordance with the OM&M Manual and the CMMS schedule. Maintenance activities included grease and oil changes, flow meter replacement, extraction point calibration, blower air filter changes, blower rotations, etc. A summary of the maintenance activities conducted during this reporting period is provided in Table 4. The details of daily operation and maintenance activities performed during this reporting period are presented in Appendix A.

3.2.2 Non-Routine Maintenance

- On December 15, 2015, the zero and span limit switches were calibrated at EP-C15. The point was successfully calibrated after extensive troubleshooting by Systematic Technologies, Inc. (STI) on January 14, 2016.
- On December 16, 2015 a zero and span value calibration was attempted on EP-O17. It was determined that the output loop wire became improperly seated, which was causing

miscommunication with the SCADA. The wire was reinstalled and tightened. After the repairs, EP-O17 was recalibrated satisfactorily.

- On January 25, 2016, it was observed that the potentiometer gears in EP-O17 were slipping during recalibration. The gears were tightened by an Groundwater Treatment Technologies and the point was returned to auto function.
- On February 18, 2016, EP-O17 was unable to reopen in Auto after being closed due to excessive noise. It was determined that the gears had slipped again and are in need of replacement. The point was opened via the manual valve to allow for continued extraction. The manual valve was opened to 99% open, greater than the 79% open in auto mode, to maximize differential pressure below the slab.
 - The gearbox was replaced on April 26, 2016 and the EP-O17 returned to automatic operation.
- On December 16, 2015, the gearbox orientation on EP-I16 was reoriented. The gearbox was previously positioned such that calibration of the valve was difficult due to the limited space within the EP enclosure. The gearbox orientation was adjusted to allow easier operator access for recalibration. The point was satisfactorily recalibrated the same day.
- The LA Fitness passive vent system was inspected on January 9, 2016. The inspection was completed satisfactorily. The passive vent system was in good operating condition with no leaks.
- The flow meter at EP-M12 was replaced on February 9, 2016 by Systematic Technologies, Inc.
- On February 23, 2016 EP-I06 failed a loop integrity test. The point was observed to have reduced flow and vacuum. The point was isolated until access and troubleshooting could be performed.

-
- The point was accessed on March 2, 2016 for troubleshooting. Upon reopening, a “gurgling” sound indicative of fluid in the pipe. An attempt was made to pump water out of the sub-slab, but no water was able to be removed. After repeated opening and closing of the manual and automatic valves, the gurgling subsided and flow was restored to previous rates. The issue has not recurred since.
 - On February 25, 2016, a portion of the slab joint near EP-K17 was observed to be hissing. Investigation of the area revealed a leak in the slab joint. The crack is located at in the former NYMEX area. The crack was sealed with DAP brand concrete/mortar filler and sealant. An immediate increase of 1.5 in W.C. was observed at EP-K17.
 - On February 27, 2016, four new sub-slab monitoring points (Prop-1, Prop-2, Prop-3, and Prop-4) were installed in the LA Fitness. These points are located on Figure 2.

3.3 MONITORING

3.3.1 System Monitoring

System monitoring activities completed during this reporting period included the following (listed chronologically):

- January 19 – February 29, 2016 – Performed DPMs as part of 2016 1st quarter monitoring.
- January 29, 2016 – Collected influent, intermediate, and effluent samples across VPGAC vessels.

The detailed methodology of performance monitoring activities is presented in Section 4 and results are discussed in Section 5.

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Section 4

SSDS Performance Monitoring

4.1 DIFFERENTIAL PRESSURE MEASUREMENTS

Routine DPMs were obtained to document that the site-wide SSDS is maintaining a minimum differential pressure of -0.004 in. WC between the SS and the interior of the main building and the SSDS facility. Out of the 110 SS-points available for monitoring, 97 SS-points were selected for DPM, as being indicators of the overall vacuum coverage across the main building and the SSDS facility. The other 13 SS-points were not used for DPM, since they are either located too close to an extraction point (within approximately 35 feet), are temporarily inaccessible, or are damaged. To collect DPM data, differential pressure monitors were simultaneously deployed at several SS-points in a portion of the building where access was granted for that day. The monitors were typically left overnight for continuous data logging at those locations, and were then retrieved the following morning for data download prior to their deployment at the next batch of SS-points. Access to particular tenant spaces for DPMs was requested through a 30-day look-ahead schedule provided to the building management each week. DPMs at several locations were conducted during weekend and after hours to accommodate specific tenant requests.

DPM data were recorded using either continuous logging micro-manometer Omniguard 4, SmartReader Plus Data Loggers, or Sensiron SDP616 Wi-Fi differential pressure devices programmed to record differential pressures at 5-minute intervals. Locations that were expected to have vacuum readings less than -0.250 in. WC were monitored using Omniguard 4 devices. The Omniguard device records high and low differential pressure readings in each 5-minute interval, and average readings are calculated from the average of the high numerical reading and the low numerical reading. Omniguard 4 devices are calibrated by the manufacturer on an annual basis to

confirm their performance. The Omniguard 4 has a measurement range within ± 0.250 in. WC. For differential pressure readings beyond Omniguard 4's range (typically in the interior of the building), a SmartReader Plus Data Logger with a measurement range of ± 2.000 in. WC were used. SmartReader devices record average differential pressure readings and are typically used in areas where high differential pressure (> -0.250 in. WC) was recorded during previous monitoring events. DPMs at five monitoring points near the center of the main building were collected using Sensiron Wi-Fi units to minimize disruption to occupied tenant spaces. The Sensiron SDP616 Wi-Fi differential pressure transmitter have a measurement range of ± 2.000 in. WC, but the advantage of the Sensiron Wi-Fi unit is that the data can be downloaded remotely, which is particularly useful for collecting data from access-restricted areas. The comparability of SmartReaders and Sensiron Wi-Fi units to Omniguards were tested in the field by comparing readings to Omniguard 4 readings at several locations, and readings from these units were found to be quite comparable.

Upon retrieval of the instrument from an SS-point, the data was downloaded for review. Data from Sensiron Wi-Fi units are downloaded remotely. Low negative readings are indicative of a low differential pressure between the SS and the building interior (i.e., vacuum condition of less than -0.004 in. WC), and high negative readings are indicative of a high differential pressure between the SS and building interior (i.e., vacuum condition of greater than -0.250 in. WC). Because the differential pressure between the SS and the interior of the main building is to be maintained at -0.004 in. WC or greater, high negative readings corresponding to high differential pressure suggest that higher vacuum levels than required are being induced. The results of these DPM data are discussed in Section 5.1.

4.2 SUB-SLAB VAPOR AND SOIL VAPOR SAMPLING

Sub-slab vapor samples were collected from individual EP sample ports for VOC analysis in January 2016. Results were presented to Lockheed Martin in a separate memorandum. In addition, soil vapor samples are collected on an annual basis from nested SS wells during the heating season to evaluate the effectiveness of the SSDS in removing VOCs from soil under the slab. Results from the 2016 heating season sampling event will be submitted to NYSDEC in a separate report. No sub-slab vapor or soil vapor samples were collected during the reporting period.

4.3 VAPOR-PHASE CARBON SAMPLING

Influent, midpoint, and effluent vapor samples were collected from the vapor phase treatment system to obtain concentrations of the cumulative vapor extracted from the sub-slab and to evaluate the performance of the vapor treatment system. Three VPGAC samples (influent sampling port V-18, intermediate sampling port V-36, and effluent sampling port V-34; Figure 4) were collected on January 29, 2016. The samples were collected in six-liter batch-certified stainless-steel Summa canisters with 12-minute flow controllers, inline particulate filters and vacuum gauges. The samples were shipped with completed chain of custody forms to TestAmerica Laboratories in Burlington, Vermont and analyzed for VOCs by modified USEPA Method TO-15 on a standard turn-around-time. VPGAC sampling results are discussed in Section 5.2.

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Section 5

SSDS Performance Results

5.1 DIFFERENTIAL PRESSURE MEASUREMENT RESULTS

The results of DPM from this reporting period are presented in Table 5. To illustrate the distribution of differential pressures, a map of average differential pressure isobars was developed using interpolation software (Surfer, Golden Software LLC), based on the differential pressure data collected during this reporting period. Differential pressure isobars based on the average values as described in Section 4.1 are presented in Figure 6.

As shown on Figure 6 and in Table 5, differential pressures of at least -0.004 in. WC were maintained under the slab across the entire main building and the SSDS facility area with the exception of the western edge of the facility. In many cases, especially within the interior of the main building, differential pressures were well above the required -0.004 in. WC.

Results at sub-slab points SS-A1, SS-I1, and SS-Q1 located along the western edge of the facility were retested multiple times. Due to tenant access restrictions, tests were limited to Sunday deployments and Monday retrievals. Flows were increased at EP-C03 (from 50 scfm to 75 scfm) on February 16 after the point SS-A1 was analyzed on February 15 and failed to meet the required -0.004 in. WC. SS-A1 was retested on February 22, along with the initial test of SS-Q1 and SS-I1.

DPM Points Out of Compliance 1Q2016		
SS-Q1	SS-I1	SS-A1
NA	NA	0.017(2/29)
0.005 (2/29)	0.013 (2/29)	0.048 (2/22)

0.004(2/22)	0.006 (2/22)	0.018 (2/15)
-------------	--------------	--------------

The retest on of SS-A1 and the initial test of SS-Q1 and SS-I1 on February 22 showed results above -0.004 in WC. Flows were increased at all nearby extraction points in the following manner:

Extraction Point	Initial Operating Parameters			Increased Operating Parameters		
	Flow (scfm)	Vacuum (in WC)	% Open	Flow	Vacuum	% Open
EP-C03	100	-25.23	32	>120	-42.59	50
EP-C17	50	-33.78	54	50	-34.10	100
EP-G03	75	-7.33	21	75	-7.33	21
EP-K03	75	-14.96	30	>120	-35.77	50
EP-O03.5	119	-30.04	40	>120	-43.99	60
EP-E18	105	-15.2	36	120	-20.00	40

Points SS-Q1, SS-A1, and SS-I1 will be retested in the second quarter of 2016 under the increased operating parameters outlined above.

It should be noted that all three sub-slab points outside of compliance are situated on the extreme western edge of the IPark building and are all over 150 ft from the nearest extraction point. Previous SV and EP sampling results in the western section of the IPark facility (west of column 6) have indicated that TCE and PCE concentrations in the shallow zone (<50 ft bgs) are below the Matrix 1 and 2 mitigate concentrations when the SSDS is operational.

5.2 VAPOR-PHASE CARBON SAMPLING

The summary of VPGAC analytical results for this reporting period is presented in Table 6. Based on the January 29, 2016 sample results, the overall PCE and TCE removal efficiencies across both lead and lag carbon vessels were 92% and 99%, respectively. The PCE and TCE removal efficiencies across the lead carbon vessel were 92% and 76%, respectively. Based on these results, the lead carbon vessel does not appear to require replacement at this time. VOC removal efficiencies in carbon vessels will be assessed based on the next sampling event to evaluate breakthrough in carbon vessels.

The laboratory data was reviewed and validated by Tetra Tech in accordance with the NYSDEC guidance for Data Usability Reports and USEPA data validation guidelines. Holding times, blank contamination, gas chromatography/mass spectrometry performance check (tuning) summaries, internal standard area performance, initial and continuing calibration results, matrix duplicate/laboratory control samples and target compound identification, and quantitation were reviewed during this process. The quality assurance/quality control review did not result in the rejection or alteration of any sampling results, although some data are estimated and modified data qualifiers were added to the data when necessary. Overall, the data were found to be acceptable for evaluating VPGAC sampling results when used with the appropriate qualifiers. The complete set of analytical results and data validation forms are included in Appendix B.

5.3 VOC MASS REMOVAL

The main purpose of the site-wide SSDS is to prevent VI into the building interior; however, an additional advantage of the system is the removal of VOC mass from beneath the building. Based on the influent VOC concentrations detected at the lead carbon vessel and the system total flow rate, it is estimated that approximately 10.9 lbs of VOCs have been removed from beneath the building during this reporting period, and approximately 192 lbs of VOCs have been removed since start-up on July 15, 2013. Cumulative VOC mass removal calculations are summarized in Table 7.

When the site-wide SSDS operation commenced in September 2013, the combined system influent PCE and TCE concentrations were 210 and 530 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), respectively, with an influent VOC mass removal rate of approximately 0.012 pounds per hour (lbs/hr) for Q4-2013. In January 2016, influent PCE and TCE concentrations were 8.5 and 190 $\mu\text{g}/\text{m}^3$, respectively, with an influent VOC mass removal rate of approximately 0.005 lbs/hr for the reporting period. These results indicate a reduction in PCE and TCE system influent concentrations of approximately 95% and 64%, respectively, as well as a reduction in influent VOC mass removal rate of approximately 58% since start-up. These results are also consistent with the declining VOC concentrations observed over time in the soil gas results (URS, 2015).

5.4 EFFLUENT AIR EMISSIONS

The concentrations of individual VOC detected in the effluent vapor sample (V734-102815) were compared to their respective Short-term Guideline Concentrations (SGCs) presented in the NYSDEC Division of Air Resources Air Guide-1 (DAR-1) guidelines (NYSDEC, 1991), and are presented in Table 8. As shown on Table 8, the SSDS effluent vapor met the NYSDEC SGCs emission criteria during this reporting period.

The actual annual VOC air emissions were calculated for each compound detected in effluent samples. The percentage of the maximum allowable annual emissions (calculated from the NYSDEC DAR-1 Annual Guideline Concentrations [AGCs]) was also calculated for each compound detected based on data collected during the past 12 months. The calculations were performed in accordance with the NYSDEC DAR-1 Guidelines for the Control of Toxic Ambient Air Contaminants (NYSDEC, 1991). The actual annual emissions concentrations and percentage of allowable emissions are presented in Table 8. The results indicate that all percentages were less than 10% of the associated maximum allowable emission for the site-wide SSDS.

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Section 6

Summary and Recommendations

The following summary is based on the site-wide SSDS operation, maintenance and performance monitoring activities completed between December 1 and February 29, 2016.

- The site-wide SSDS operated for greater than 99.5% of the time during this reporting period with only minor shutdowns for equipment adjustments.
- A differential pressure of at least -0.004 in. WC was maintained under the slab across the main building and the SSDS facility during this reporting period with the exception of points on the far western edge of the building (SS-A1, SS-I1, and SS-Q1).
- An estimated 10.9 lbs of VOC was removed during this reporting period, with a total of approximately 192 lbs of VOC removed from the soil vapor since the start-up of the site-wide SSDS in September 2013.
- January 2016 VPGAC sampling results confirmed the lead carbon vessel does not require replacement at this time. The next round of influent, intermediate, and effluent VPGAC sampling is scheduled for April 2016.
- The SSDS effluent did not exceed the NYSDEC SGCs emission criteria. The annual cumulative emissions percentages were also far below annual allowable emissions.

The following actions are recommended for the upcoming operating period:

-
- Since differential pressure is well above the required negative 0.004 in. WC in many locations, options to reduce the overall manifold vacuum should be considered. This would allow for improvements in operational efficiency and energy savings.
 - Results of the August 2015 assessment to evaluate the potential extent of sand/gravel erosion issues of a number of EPs were presented in the October 2015 *Preliminary Assessment of SSDS Extraction Points; Great Neck Remediation Site; ID 130045* (Appendix E of the Fourth Quarter OMM Report) prepared by URS (2015c). The report recommended repair of EP-G17 and EP-G18, which appeared to have the most significant problems with the sand/gravel. Based on the report, implementation of the recommended repairs to EP-G17 and EP-G18 were implemented and completed during the fourth quarter of 2015. Additional EPs with sand entrainment should be inspected and repaired, as required.
 - Continue routine maintenance on individual equipment and the site-wide SSDS assembly as required. Tetra Tech has the following maintenance recommendations:
 - Perform chiller tests on a monthly basis as opposed to the current weekly basis.
 - Perform the backup generator automatic run test on a monthly basis as opposed to the current weekly basis.
 - Perform the monthly moisture extraction pit inspection on a quarterly basis as opposed to the current monthly basis.
 - Continue to collect VPGAC samples at influent, intermediate and effluent points on quarterly basis to evaluate VOC mass removal, monitor potential carbon breakthrough and assess effluent air emission rates.
 - As recommended in the October 2015 July/August OMM report (AECOM, 2015), due to the presence of Pb-210 in carbon sample collected from the lead vessel T-750 and its long half-life, spent carbon should be handled by a facility familiar with handling carbon with

Technically Enhanced Naturally Occurring Radioactive Material (TENORM), and be set up for segregated reactivation specific to the Lockheed Martin Great Neck SSDS site.

- Continue to monitor EP-I06 and the vicinity around it for water infiltration after significant rain events. Pulsing (opening and closing the extraction point) has been proven to alleviate water-logged EPs.
- System performance can be more efficiently monitored by performing DPM at select exterior points in conjunction with existing room status monitors (RSMs). Recommend reducing the number of DPM locations for several quarters as follows:
 - 101 DPM points will continue to be monitored in the first quarter of each year.
 - For the remaining three quarters, a subset of 56 DPM points located at the perimeter, interior, and garage area will be utilized to monitor the differential pressure. DPM points are listed below.

Proposed DPM Points for Quarters 2-4

Perimeter DPM Points		Interior DPM Points		Garage Points
SS-A1	SS-P15	SS-E5	SS-G9	SS-NYTM3
SS-C1	SS-Q17	SS-M5	SS-G09.5	SS-23R
SS-F1.5	SS-019	SS-K10	SS-H09.5	SS-NYTM2
SS-I1	SSM-19	SS-G10	SVV-G10.5	
SS-M1	SS-K19	SS-E9	SS-H10.5	
SS-Q1	SS-J19	SS-G14	VP-107-5	
SS-Q3.5	SS-3	SS-K14	SS-I19	
SS-Q5	SS-G19	SS-E15	SS-J9	
SS-Q7	SS-F18	SS-K16	SS-J11	
SS-Q9	SS-E19	SS-C8	SS-38	

SS-Q11	SS-C18	VP-107-13	
SS-014	SS-A19		
SS-A11	SS-A17		
SS-A9	SS-A15		
SS-A7	SS-C12		
SS-C6	SS-A3		

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Section 7

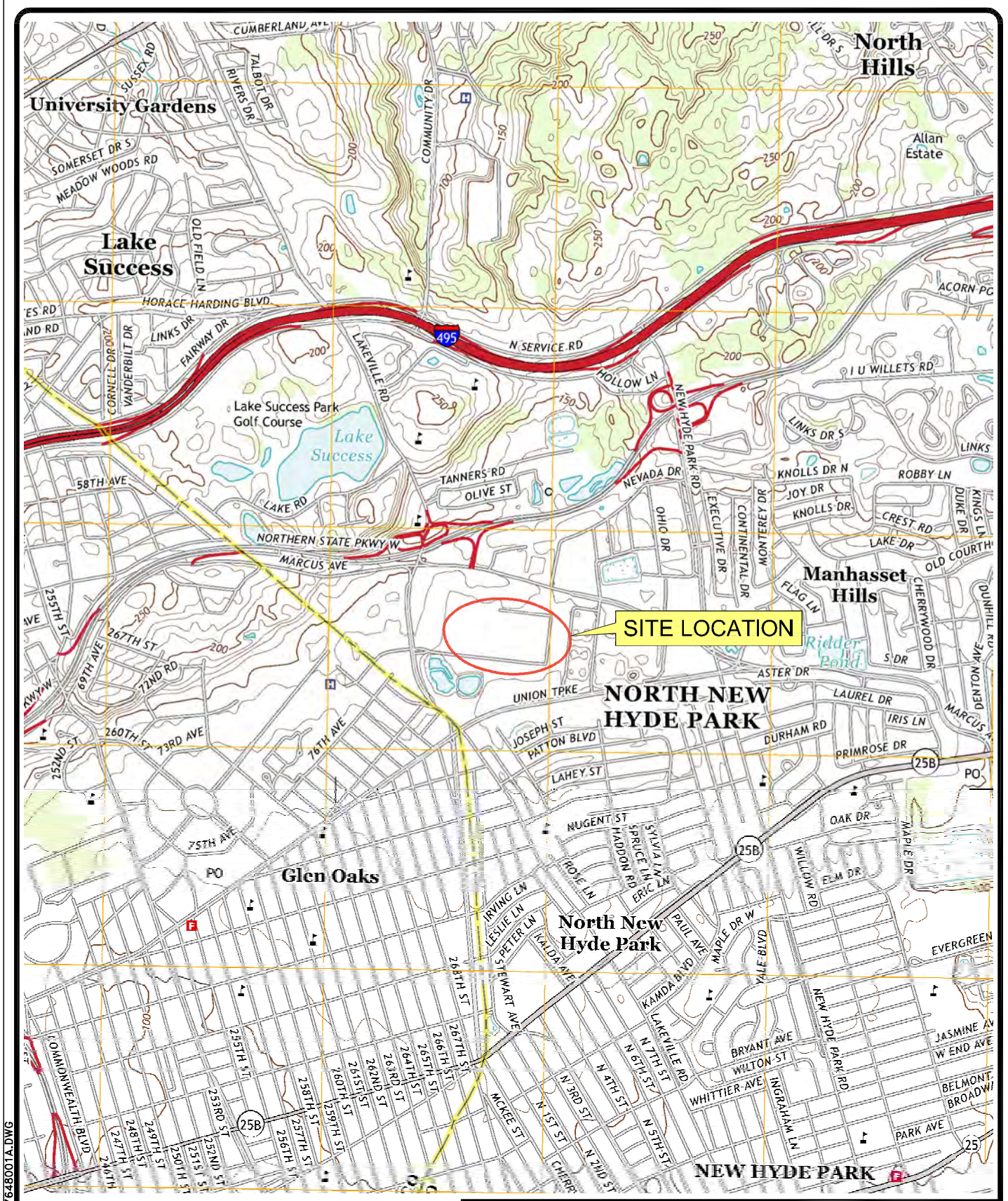
References

1. AECOM (URS), 2015. Operation, Maintenance and Monitoring (OMM) Manual. December.
2. Arcadis, 2010. Vapor Mitigation Conceptual Design. August.
3. New York State Department of Environmental Conservation (NYSDEC), 1991. Guidelines for the Control of Toxic Ambient Air Contaminants, 1991
4. NYSDEC, 2014. DAR-1 AGC/SGC Tables, February 28.
5. NYSDEC. 2015. Amendment to the Record of Decision, Unisys Corporation, Operable Unit Number 01: On-Site Remedial Program State Superfund Project, Lake Success, Nassau County, Site Number 130045. January.
6. New York State Department of Health (NYSDOH), 2006. Final guidance for Evaluating Soil Vapor Intrusion in the State of New York. Bureau of Environmental Exposure Investigation. October.
7. Tetra Tech, 2015. Sub-Slab Depressurization System – September-November 2015 Operation, Maintenance, and Monitoring Report. January.
8. URS, 2015a. Soil Vapor Monitoring Report 2015. July.
9. URS, 2015b. Sub-Slab Depressurization System – July/August 2015 Operation, Maintenance, and Monitoring Report. October.
10. URS, 2015c. Preliminary Assessment of SSDS Extraction Points; Great Neck Remediation Site; ID 130045. October.

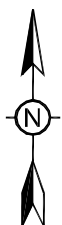
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FIGURES



SOURCES:
 U.S.G.S TOPOGRAPHIC QUADRANGLES
 SEA CLIFF, NY (1969) AND LYNBROOK, NY
 (1968) PHOTOREVISED 1979.



0 2000 4000
 SCALE IN FEET

TITLE:

SITE LOCATION MAP

LOCATION:

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

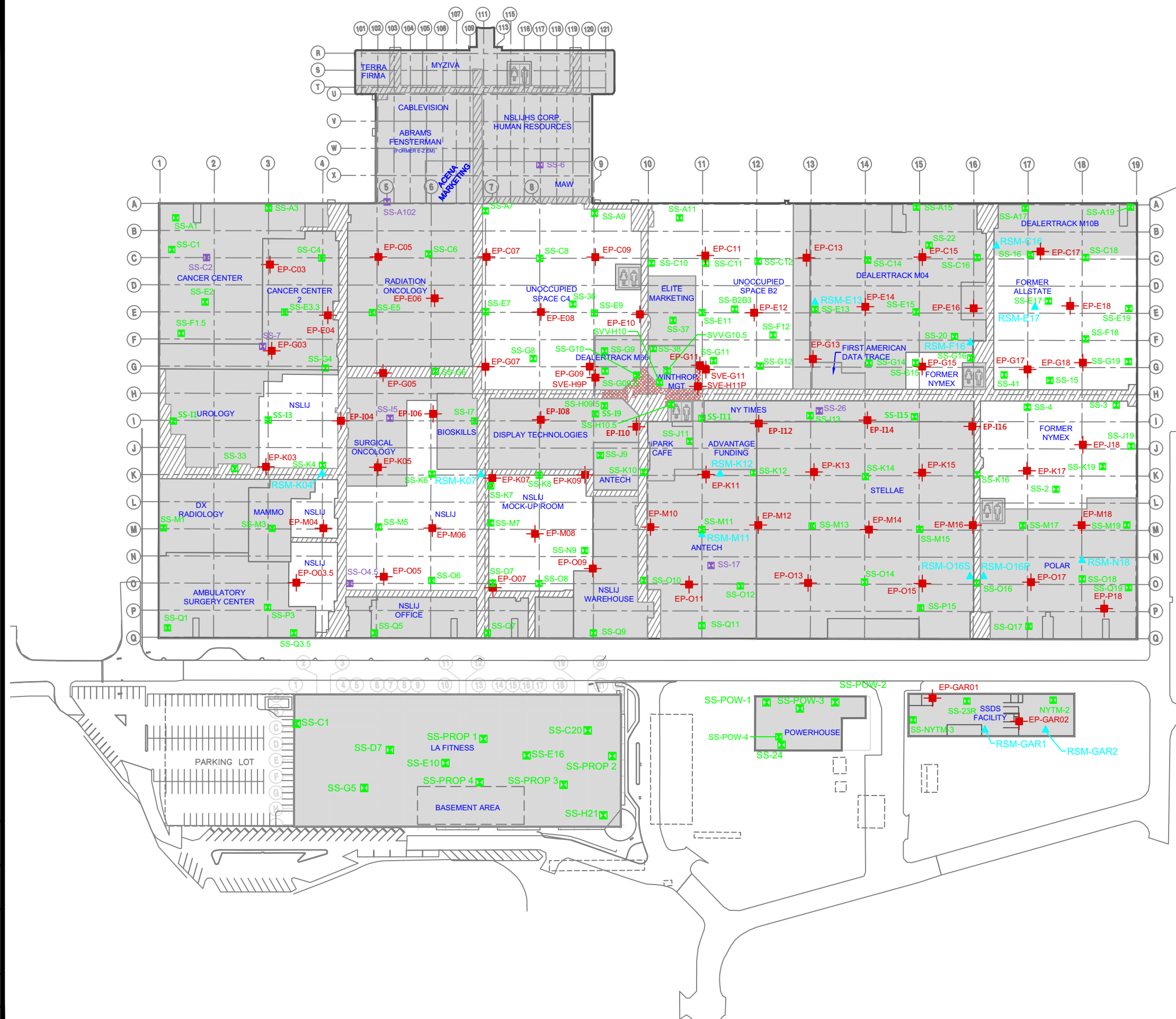


TETRA TECH





APPROVED	PR
DRAFTED	CP
PROJECT#	117-0507646
DATE	2-5-16

FIGURE

1

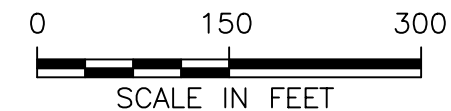



LEGEND

- | | | |
|---|---------|---|
|  | EP-K17 | EXISTING EXTRACTION POINT |
|  | SS-O16 | EXISTING SUB-SLAB MONITORING POINT |
|  | SS-A102 | SUB-SLAB MONITORING POINT LOST/INACCESSIBLE |
|  | RSM-N18 | EXISTING ROOM STATUS MONITOR |

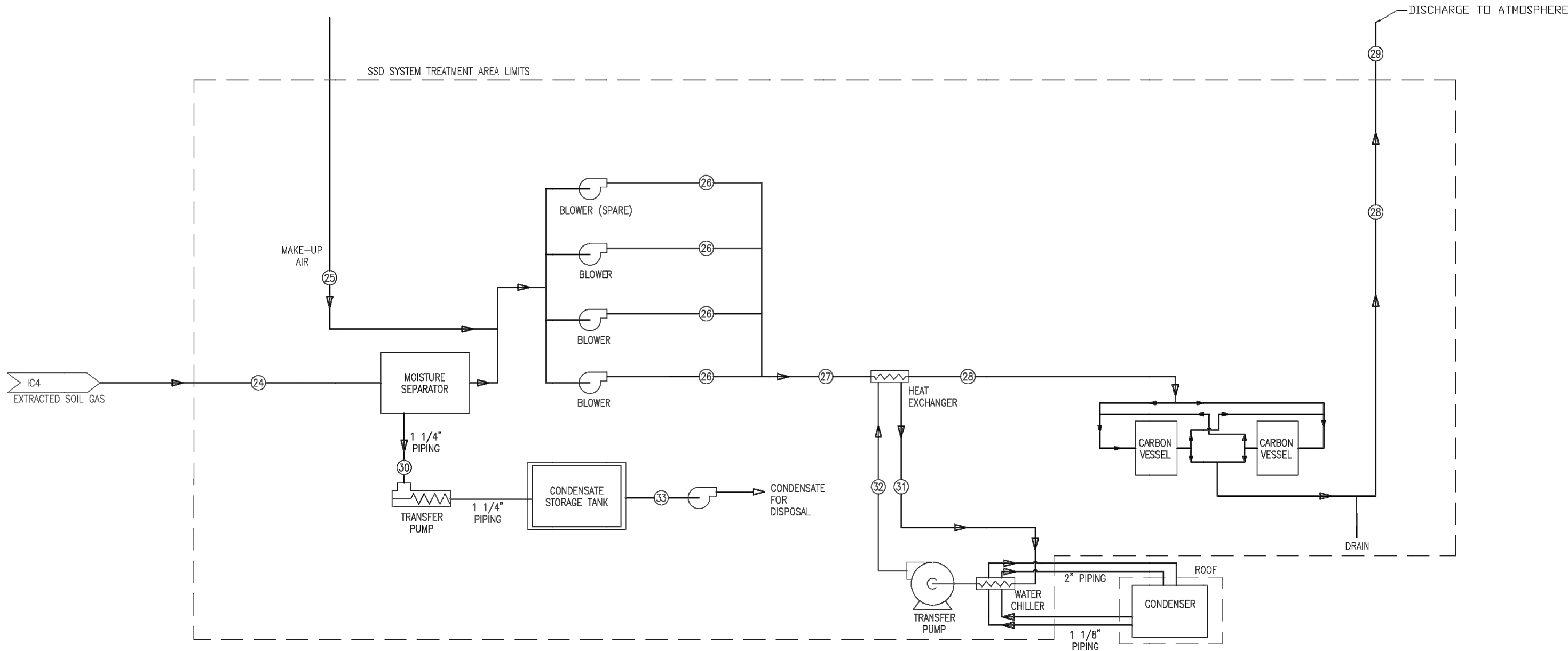
NOTE:

1. OCCUPIED TENANT AREAS ARE SHOWN IN GRAY.
2. SUB-SLAB MONITORING POINTS FROM LA FITNESS AND POWERHOUSE BUILDINGS ARE NOT SHOWN ON THIS FIGURE.



TITLE:		iPARK BUILDING PLAN	
LOCATION:		Former UNISYS Facility Lake Success, New York 11020	
 TETRA TECH	APPROVED	PR	FIGURE 2
	DRAFTED	RR	
	PROJECT#	117-0507648	
	DATE	5-3-16	

CAUSES RAUL RAMIREZ\DESKTOP\SSDS\CAD REV\PROCESS DIAGRAM.DWG



PROCESS FLOW DETAILS										
FLOW POINT	24	25 ⁽¹⁾	26 ⁽²⁾	27	28	29	30 ⁽³⁾	31	32	33
FLOW (SCFM)	6000	1500	2000	6000	6000	6000	-			-
FLOW (GPM)	-	-	-	-	-	-	14	191.5	191.5	50
PIPE DIAMETER (INCHES)	20	10	10	20	20	16	1 1/4	4	4	2

NOTES:

- (1): MAXIMUM AMOUNT OF MAKE-UP AIR REQUIRED DURING INTERIM OPERATION AND THEREAFTER.
(2): BLOWERS SPECIFIED TO HANDLE ANTICIPATED FLOW FROM SYSTEM OF 2,000 SCFM.
(3): INSTANTANEOUS FLOW. PUMPING FREQUENCY DEPENDS ON CONDENSATE COLLECTION RATES..

SCFM: STANDARD CUBIC FEET PER MINUTE
GPM: GALLONS PER MINUTE.

SOURCE: PROCESS FLOW DIAGRAM, IC-05, DATED NOVEMBER 2013 BY ARCADIS, NY.


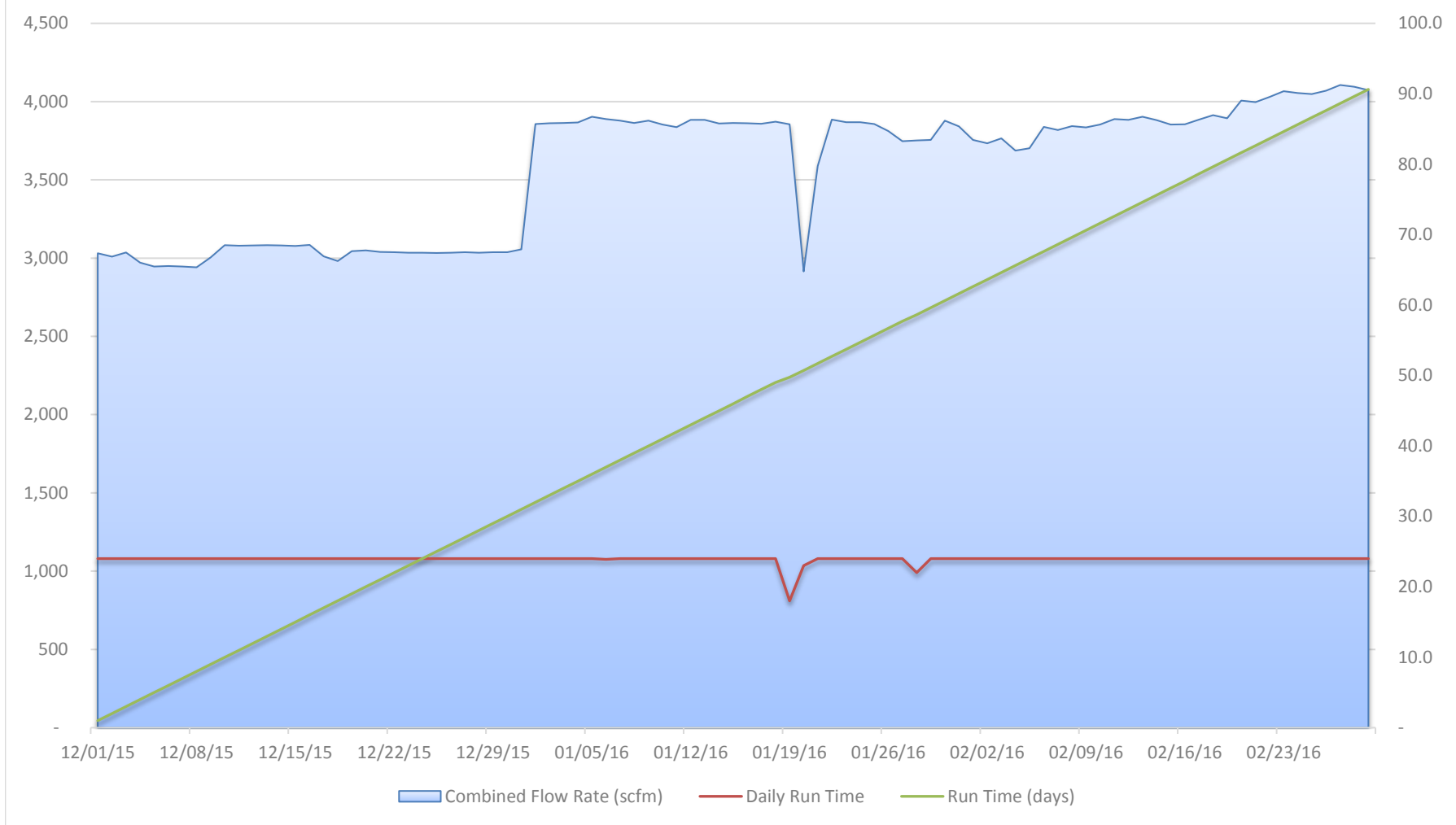
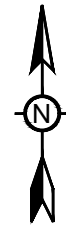
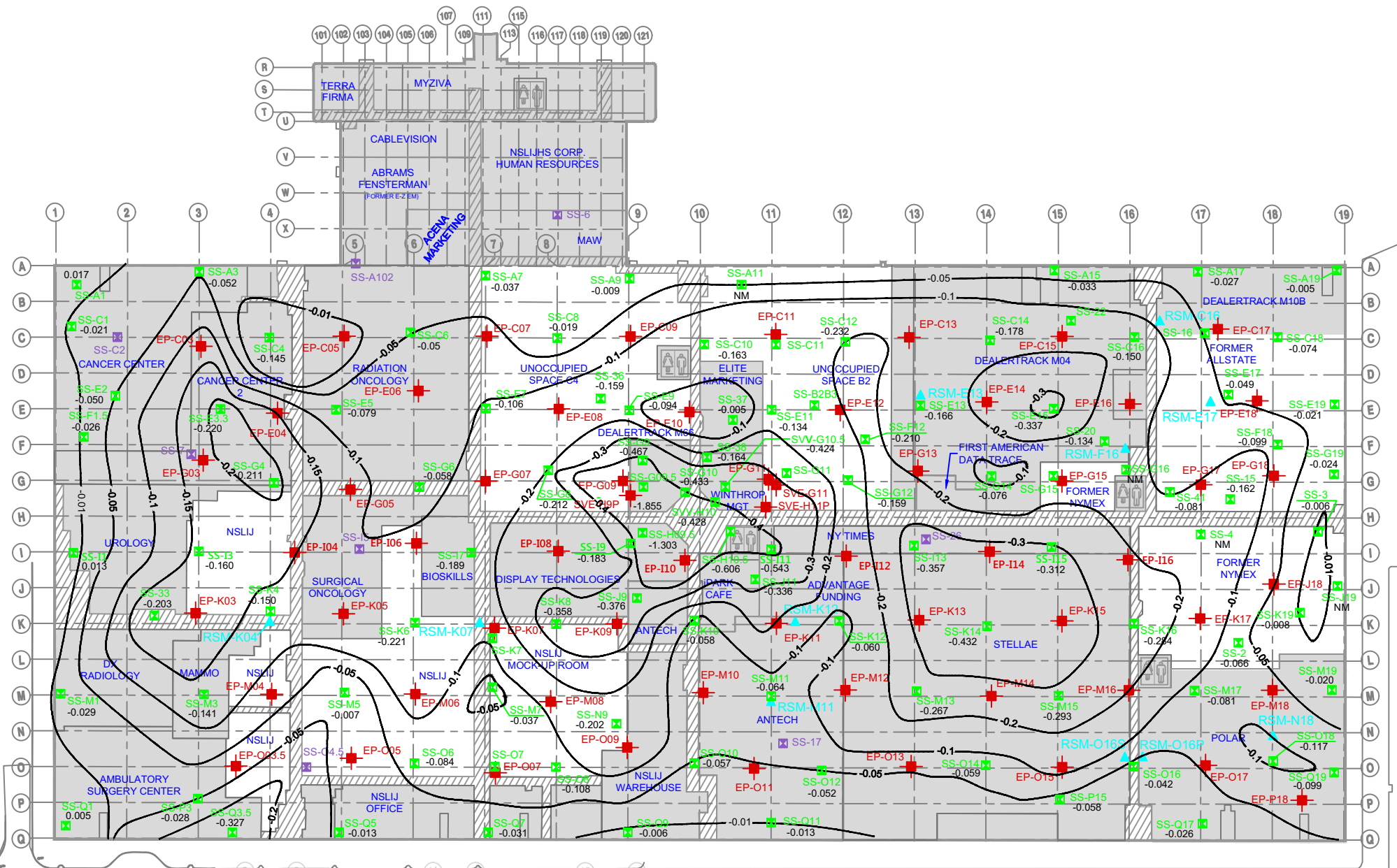
TITLE: SSDS PROCESS FLOW DIAGRAM			
LOCATION: Former UNISYS Facility Lake Success, New York 11020			
 TETRA TECH	APPROVED	PR	FIGURE 4
	DRAFTED	RR	
	PROJECT#	117-0507648	
	DATE	5-3-16	

Figure 5: Monthly Run Time Efficiency, Daily Runtime, and Combined Flow Rate
Former Unisys Facility, Lake Success, New York



CAUSERS RAUL RAMIREZ\DESKTOP\0507648006A_050516.DWG

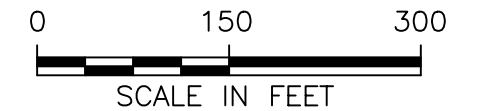


LEGEND

- EP-K17 EXISTING EXTRACTION POINT
- SS-O16 EXISTING SUB-SLAB MONITORING POINT
- SS-A102 SUB-SLAB MONITORING POINT LOST/INACCESSIBLE
- RSM-N18 EXISTING ROOM STATUS MONITOR
- DIFFERENTIAL PRESSURE MEASUREMENT
(IN INCHES OF WATER COLUMN)

NOTE:

- OCCUPIED TENANT AREAS ARE SHOWN IN GRAY.
- SUB-SLAB MONITORING POINTS FROM LA FITNESS AND POWERHOUSE BUILDINGS ARE NOT SHOWN ON THIS FIGURE.



TITLE: iPARK BUILDING - DIFFERENTIAL PRESSURE 1Q2016			
LOCATION: Former UNISYS Facility Lake Success, New York 11020			
	APPROVED	PR	FIGURE 6
	DRAFTED	RR	
	PROJECT#	117-0507648	
	DATE	5-3-16	

TABLES

**Table 1: Sub-slab Monitoring Points, Extractions Points, and RSMs
Former Unisys Facility, Lake Success, New York**

Areas	Sub-slab Monitoring Points	Extraction Points	Room Status Monitors
Advantage Funding	SS-I11	--	--
Antech	SS-J9, SS-K12, SS-M11, SS-O12, SS-Q11	EP-K11, EP-M10, EP-O11	RSM-K12, RSM-M11
Bioskills	SS-I7	--	--
Corridors	SS-33, SS-G6, SS-K10, SS-K16, SS-O10, SS-O16, SS-Q7	EP-I04, EP-G05	RSM-K04, RSM-K07
Dealer Track M04	SS-20, SS-22, SS-A15, SS-C14, SS-C16, SS-E13, SS-E15, SS-G14	EP-C13, EP-C15, EP-E14, EP-G13, EP-E16	RSM-E13, RSM-F16
Dealer Track M10B	SS-16, SS-A17, SS-A19	EP-C17	RSM-C16
Dealer Track M66	SS-G9, SS-G09.5, SS-G10	--	--
Display Technologies	SS-H09.5, SS-I9	EP-I08, EP-I10	--
Elite Marketing	SS-37	--	--
Former Allstate	SS-15, SS-41, SS-C18, SS-E17, SS-E19, SS-F18, SS-G19	EP-E18, EP-G17, EP-G18	RSM-E17
Former NYMEX	SS-2, SS-3, SS-4, SS-G15, SS-G16, SS-J19, SS-K19	EP-G15, EP-J18, EP-K17	--
iPark Cafe	SS-H10.5, SS-J11	--	--
NSLIJ Ambulatory Surgery	SS-P3, SS-Q1, SS-Q3.5	--	--
NSLIJ Cancer Center	SS-A1, SS-A3, SS-C1, SS-E2, SS-F1.5	--	--
NSLIJ Cancer Center2	SS-C4, SS-E3.3, SS-G4	EP-C03, EP-E04, EP-G03	--
NSLIJ Mammography	SS-M3	--	--
NSLIJ Mock-up Room	SS-K7, SS-K8, SS-M7, SS-N9, SS-O7, SS-O8	EP-K07, EP-K09, EP-M08, EP-O07	--
NSLIJ Office	SS-Q5	--	--
NSLIJ Radiology	SS-M1	--	--
NSLIJ Radiation Oncology	SS-C6, SS-E5	EP-C05, EP-E06	--
NSLIJ Surgical Oncology	--	EP-K05	--
NSLIJ Unoccupied Areas	SS-I3, SS-K4, SS-K6, SS-M5, SS-O6	EP-I06, EP-M06, EP-O05, EP-K03, EP-M04, EP-O03.5	--
NSLIJ Urology	SS-I1	--	--
NSLIJ Warehouse	SS-Q9	EP-O09	--
NY Times	SS-I13, SS-I15	EP-I14	--
Polar	SS-M17, SS-M19, SS-O18, SS-Q17, SS-Q19	EP-M18, EP-O17, EP-P18	RSM-N18, RSM-O16P
SSDS Facility	SS-23R, SS-NYTM-2, SS-NYTM-3	EP-GAR01, EP-GAR02	RSM-GAR1, RSM-GAR2

**Table 1: Sub-slab Monitoring Points, Extractions Points, and RSMs
Former Unisys Facility, Lake Success, New York**

Areas	Sub-slab Monitoring Points	Extraction Points	Room Status Monitors
Stellae	SS-K14, SS-M13, SS-M15, SS-O14, SS-P15	EP-I12, EP-I16, EP-K13, EP-K15, EP-M12, EP-M14, EP-M16, EP-O13, EP-O15	RSM-O16S
Unoccupied Space B2	SS-A11, SS-B2B3, SS-C10, SS-C11, SS-C12, SS-E11, SS-F12, SS-G11, SS-G12	EP-C11, EP-E12, EP-G11, SVE-G11, SVE- H11P	--
Unoccupied Space C4	SS-36, SS-A7, SS-A9, SS-C8, SS-E7, SS-E9, SS-G8	EP-C07, EP-C09, EP-E08, EP-E10, EP-G07, EP-G09	--
Winthrop Management	SS-38, SVV-G10.5, SVV-H10	--	--
Total number of locations	110	60 EPs, 2 SVEs	13

Notes:

1. Monitoring points SS-22, SS-G9, SS-16, SS-G15, SS-K7, SS-O7, SS-B2B3, SS-C11, and SS-G11 included in this table are excluded from quarterly monitoring since they are located in close proximity to an individual extraction point(s).
2. Temporary and permanently lost/inaccessible monitoring points SS-A102, SS-17, SS-6, SS-O4.5, SS-C2, SS-7, SS-I5, and SS-26 are not in the total count of 110 monitoring points.
3. Monitoring point SS-A11 was selected for quarterly monitoring in previous quarters but the point was inaccessible during this reporting period due to pallets and/or office dividers placed on top of the point.

Legends:

SS: Sub-Slab Monitoring Point
SVV: Soil Vapor in Vault
EP: Extraction Point
RSM: Room Status Monitor
SVE: Soil Vapor Extraction

**Table 2: SSDS Operational Summary
Former Unisys Facility, Lake Success, New York**

Month	Day																															Days Online ¹
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
2013 Totals ²																																113.1
2014 Totals																																364.8
Jan-15				D	D	D	D	D				D	D	D	D		D		D	D	C	D			D			D	D			31
Feb-15		D	D	D	D					D				³	D																	27.8
Mar-15																																31
Apr-15						D	D	D	D			D	D	D	D	D				D	C	D	D			D		⁴				29.9
May-15			D	D	D	D	D				D	D	D	D		D	D		D	D						D		D				31
Jun-15																																30
Jul-15																C																31
Aug-15			D	D	D	D			D	D	D	D	D				D	D	D	D	D		D	D	D	D	D	D		D	D	31
Sep-15	D		D		D	D		D																								30
Oct-15																												C	⁵			31
Nov-15		D	D	D	D	D ⁶		D	D	D	D	D	D			D	D	D	D	D		D	D	D	D				D	D		30
Dec-15																																31.0
Jan-16																		D	D ⁷	D ⁷	D	D		D	D	D	D ⁸	D	C	D		30.6
Feb-16	D	D	D	D	D		D	D	D	D	D	D			D	D	D	D			D	D										29
2015 Total (through end of December)																																364.7
TOTAL SINCE STARTUP																																842.6

Legends:

	Indicates SSDS online for majority of the day.
	Indicates SSDS offline for majority of the day.

C: Vapor Phase Carbon Sampling

D: Differential Pressure Measurements

SSDS: Sub-Slab Depressurization System

Notes:

* During all planned SSDS temporary shutdowns, it was verified that OU-1 SVE system was running prior to shutdown in accordance with the ARCADIS SVE System Shutdown Contingency Plan.

¹: Days online presents the actual operational time.

²: SSDS operation (post-startup and testing) began on September 9, 2013.

³: SSDS was temporarily shutdown for 6 hours for the Area 9 Soil Vapor Extraction well SVE-H11P connection to the site-wide SSDS.

⁴: SSDS was temporarily shut down for 2.2 hours for AMEC's SVE testing.

⁵: SSDS was temporarily shut down for 0.10 hours while preparing for AECOM camera inspection of piping.

⁶: SSDS was temporarily shut down for 6 minutes to alternate blowers.

⁷: SSDS was temporarily shut down for 7 hours for SVE-H09 tie in. Shutdown occurred overnight.

⁸: SSDS was temporarily shut down for 2 hours for SVE-H09 remote programming

**Table 3: Extraction Points Operational Data
Former Unisys Facility, Lake Success, New York**

#	Extraction Point ID	Location	Dec-15		
			Flow (SCFM)	Vacuum (in. WC)	Valve Position (%)
1	EP-C03	NSLIJ Cancer Center 2	50.0	-11.5	23
2	EP-C05	NSLIJ Radiation Oncology	43.3	-0.2	33
3	EP-C07	Unoccupied Space C4	40.4	-8.7	78
4	EP-C09	Unoccupied Space C4	114.9	-57.7	99
5	EP-C11	Unoccupied Space B2	118.0	-46.9	41
6	EP-C13	DealerTrack M04	95.9	-42.6	98
7	EP-C15	DealerTrack M04	50.1	-17.3	30
8	EP-C17	DealerTrack M10B	50.0	-33.9	57
9	EP-E04	NSLIJ Cancer Center 2	30.0	-10.7	25
10	EP-E06	NSLIJ Radiation Oncology	38.9	-16.3	28
11	EP-E08	Unoccupied Space C4	10.1	-8.9	27
12	EP-E10	Unoccupied Space C4	40.0	-59.6	51
13	EP-E12	Unoccupied Space B2	50.1	-12.9	30
14	EP-E14	DealerTrack M04	24.9	-10.1	27
15	EP-E16	DealerTrack M04	55.0	-13.8	29
16	EP-E18	Former Allstate	49.9	-6.8	29
17	EP-G03	NSLIJ Cancer Center 2	66.7	-6.3	19
18	EP-G05	Corridors	40.0	-15.9	35
19	EP-G07	Unoccupied Space C4	14.9	-6.6	21
20	EP-G09	Unoccupied Space C4	48.1	-3.3	35
21	EP-G11	Unoccupied Space B2	36.0	-3.3	28
22	EP-G13	DealerTrack M04	50.0	-43.6	34
23	EP-G15	Former NYMEX	50.0	-27.5	18
24	EP-G17	Former Allstate	69.8	-21.0	51
25	EP-G18	Former Allstate	61.5	-12.0	65
26	EP-I04	Corridors	10.0	-4.1	36
27	EP-I06	NSLIJ Unoccupied	2.7	-5.4	30
28	EP-I08	Display Technologies	20.0	-60.6	33
29	EP-I10	Display Technologies	50.0	-52.3	40
30	EP-I12	Stellae	50.0	-35.7	32
31	EP-I14	New York Times	36.0	-52.7	34
32	EP-I16	Stellae	50.0	-26.3	50
33	EP-I18	Former NYMEX	60.0	-11.6	27
34	EP-K03	NSLIJ Unoccupied	68.0	-13.4	28
35	EP-K05	NSLIJ Surgical Oncology	10.1	-6.5	54
36	EP-K07	NSLIJ Mock-up Room	30.0	-16.6	24
37	EP-K09	NSLIJ Mock-up Room	49.9	-20.8	32
38	EP-K11	Antech	50.1	-12.6	32
39	EP-K13	Stellae	50.0	-18.6	32
40	EP-K15	Stellae	50.0	-52.8	41

**Table 3: Extraction Points Operational Data
Former Unisys Facility, Lake Success, New York**

#	Extraction Point ID	Location	Dec-15		
			Flow (SCFM)	Vacuum (in. WC)	Valve Position (%)
41	EP-K17	Former NYMEX	50.0	-6.8	28
42	EP-M04	NSLIJ Unoccupied	49.9	-9.9	34
43	EP-M06	NSLIJ Unoccupied	20.6	-7.5	25
44	EP-M08	NSLIJ Mock-up Room	50.0	-20.5	16
45	EP-M10	Antech	26.0	-6.2	24
46	EP-M12	Stellae	55.1	-8.5	31
47	EP-M14	Stellae	40.0	-24.4	26
48	EP-M16	Stellae	49.9	-35.3	36
49	EP-M18	Polar	25.0	-5.4	25
50	EP-O3.5	NSLIJ Unoccupied	120.0	-50.3	98
51	EP-O05	NSLIJ Unoccupied	60.1	-15.9	32
52	EP-O07	NSLIJ Mock-up Room	59.0	-38.9	28
53	EP-O09	NSLIJ Warehouse	25.8	-6.4	10
54	EP-O11	Antech	25.0	-5.0	28
55	EP-O13	Stellae	50.0	-16.8	30
56	EP-O15	Stellae	15.1	-57.1	25
57	EP-O17	Polar	116.2	-54.6	18
58	EP-P18	Polar	25.0	-26.1	27
59	EP-GAR01	SSDS Facility	50.0	-51.9	48
60	EP-GAR02	SSDS Facility	50.1	-29.0	48
61	SVE-G11	Unoccupied Space B2	60.1	-2.0	27
62	SVE-H11P	Unoccupied Space B2	119.0	-40.5	47
63	SVE-H09*	Unoccupied Space B2	NM		

Legends:

EP: Extraction Point

in. WC: inches of water column

scfm: standard cubic feet per minute

SVE: Soil Vapor Extraction

Notes:

* The valve positions stated are percent open.

* The pressure readings are negative values relative to atmospheric in inches of water column.

* The flowrate, vacuum, and valve position readings are averaged over the month.

SVE-H09 was tied in to the system between January 19th and January 20th and programmed for data recording on January 27th.

**Table 3: Extraction Points Operational Data
Former Unisys Facility, Lake Success, New York**

#	Extraction Point ID	Location	Jan-16		
			Flow (SCFM)	Vacuum (in. WC)	Valve Position (%)
1	EP-C03	NSLIJ Cancer Center 2	49.5	-11.2	23
2	EP-C05	NSLIJ Radiation Oncology	49.5	-0.2	37
3	EP-C07	Unoccupied Space C4	44.5	-9.6	99
4	EP-C09	Unoccupied Space C4	115.8	-56.7	99
5	EP-C11	Unoccupied Space B2	116.8	-45.8	41
6	EP-C13	DealerTrack M04	96.0	-41.5	98
7	EP-C15	DealerTrack M04	49.5	-17.0	29
8	EP-C17	DealerTrack M10B	49.5	-33.4	50
9	EP-E04	NSLIJ Cancer Center 2	29.7	-10.6	26
10	EP-E06	NSLIJ Radiation Oncology	49.4	-21.0	32
11	EP-E08	Unoccupied Space C4	9.9	-8.3	27
12	EP-E10	Unoccupied Space C4	39.6	-57.3	47
13	EP-E12	Unoccupied Space B2	49.6	-12.5	31
14	EP-E14	DealerTrack M04	24.8	-10.1	28
15	EP-E16	DealerTrack M04	54.4	-13.1	30
16	EP-E18	Former Allstate	49.4	-6.6	29
17	EP-G03	NSLIJ Cancer Center 2	74.1	-7.2	20
18	EP-G05	Corridors	39.6	-15.6	35
19	EP-G07	Unoccupied Space C4	15.1	-6.5	22
20	EP-G09	Unoccupied Space C4	49.5	-3.4	37
21	EP-G11	Unoccupied Space B2	35.5	-2.0	28
22	EP-G13	DealerTrack M04	49.4	-42.8	35
23	EP-G15	Former NYMEX	49.4	-27.2	21
24	EP-G17	Former Allstate	59.3	-6.3	30
25	EP-G18	Former Allstate	37.6	-5.9	27
26	EP-I04	Corridors	9.8	-4.6	46
27	EP-I06	NSLIJ Unoccupied	44.3	-26.2	76
28	EP-I08	Display Technologies	19.8	-58.8	29
29	EP-I10	Display Technologies	49.4	-51.6	41
30	EP-I12	Stellae	49.4	-35.0	34
31	EP-I14	New York Times	35.6	-52.0	35
32	EP-I16	Stellae	49.4	-25.4	39
33	EP-I18	Former NYMEX	59.3	-11.5	27
34	EP-K03	NSLIJ Unoccupied	74.2	-14.8	30
35	EP-K05	NSLIJ Surgical Oncology	11.8	-3.7	54
36	EP-K07	NSLIJ Mock-up Room	29.8	-16.0	29
37	EP-K09	NSLIJ Mock-up Room	49.5	-20.5	32
38	EP-K11	Antech	49.5	-12.4	33
39	EP-K13	Stellae	49.3	-18.2	33
40	EP-K15	Stellae	49.4	-51.7	42

**Table 3: Extraction Points Operational Data
Former Unisys Facility, Lake Success, New York**

#	Extraction Point ID	Location	Jan-16		
			Flow (SCFM)	Vacuum (in. WC)	Valve Position (%)
41	EP-K17	Former NYMEX	49.4	-5.7	28
42	EP-M04	NSLIJ Unoccupied	49.5	-9.5	36
43	EP-M06	NSLIJ Unoccupied	36.0	-15.7	31
44	EP-M08	NSLIJ Mock-up Room	49.5	-20.0	19
45	EP-M10	Antech	25.7	-6.1	25
46	EP-M12	Stellae	55.5	-8.3	31
47	EP-M14	Stellae	39.5	-23.3	27
48	EP-M16	Stellae	49.4	-34.4	37
49	EP-M18	Polar	24.7	-5.3	25
50	EP-O3.5	NSLIJ Unoccupied	118.6	-49.7	98
51	EP-O05	NSLIJ Unoccupied	59.8	-16.9	40
52	EP-O07	NSLIJ Mock-up Room	57.4	-32.1	40
53	EP-O09	NSLIJ Warehouse	25.8	-6.3	11
54	EP-O11	Antech	24.7	-4.9	28
55	EP-O13	Stellae	49.4	-16.4	31
56	EP-O15	Stellae	14.9	-55.5	25
57	EP-O17	Polar	110.0	-51.7	13
58	EP-P18	Polar	24.7	-25.8	28
59	EP-GAR01	SSDS Facility	49.4	-50.6	48
60	EP-GAR02	SSDS Facility	49.4	-28.5	49
61	SVE-G11	Unoccupied Space B2	59.2	-1.5	31
62	SVE-H11P	Unoccupied Space B2	117.6	-39.3	46
63	SVE-H09*	Unoccupied Space B2	NM		

Legends:

EP: Extraction Point

in. WC: inches of water column

scfm: standard cubic feet per minute

SVE: Soil Vapor Extraction

Notes:

* The valve positions stated are percent open.

* The pressure readings are negative values relative to atmospheric in inches

* The flowrate, vacuum, and valve position readings are averaged over the r

SVE-H09 was tied in to the system between January 19th and January 20th and pro
27th.

**Table 3: Extraction Points Operational Data
Former Unisys Facility, Lake Success, New York**

#	Extraction Point ID	Location	Feb-16		
			Flow (SCFM)	Vacuum (in. WC)	Valve Position (%)
1	EP-C03	NSLIJ Cancer Center 2	78.0	-18.9	28
2	EP-C05	NSLIJ Radiation Oncology	50.0	-0.2	37
3	EP-C07	Unoccupied Space C4	42.1	-8.7	99
4	EP-C09	Unoccupied Space C4	115.2	-56.0	99
5	EP-C11	Unoccupied Space B2	118.0	-45.9	41
6	EP-C13	DealerTrack M04	94.9	-40.1	97
7	EP-C15	DealerTrack M04	49.9	-17.2	29
8	EP-C17	DealerTrack M10B	50.0	-33.7	49
9	EP-E04	NSLIJ Cancer Center 2	29.9	-10.6	24
10	EP-E06	NSLIJ Radiation Oncology	50.0	-21.2	31
11	EP-E08	Unoccupied Space C4	14.9	-10.1	30
12	EP-E10	Unoccupied Space C4	39.9	-57.6	73
13	EP-E12	Unoccupied Space B2	50.0	-12.5	30
14	EP-E14	DealerTrack M04	25.0	-10.2	27
15	EP-E16	DealerTrack M04	58.3	-14.2	30
16	EP-E18	Former Allstate	58.8	-8.1	30
17	EP-G03	NSLIJ Cancer Center 2	75.0	-7.2	19
18	EP-G05	Corridors	40.0	-15.7	35
19	EP-G07	Unoccupied Space C4	19.8	-8.7	22
20	EP-G09	Unoccupied Space C4	50.0	-3.9	36
21	EP-G11	Unoccupied Space B2	36.0	-1.4	27
22	EP-G13	DealerTrack M04	50.0	-43.0	34
23	EP-G15	Former NYMEX	50.0	-28.0	19
24	EP-G17	Former Allstate	60.0	-6.0	29
25	EP-G18	Former Allstate	38.0	-5.9	26
26	EP-I04	Corridors	10.0	-4.8	49
27	EP-I06	NSLIJ Unoccupied	11.6	-10.1	63
28	EP-I08	Display Technologies	20.0	-60.1	43
29	EP-I10	Display Technologies	50.0	-52.1	40
30	EP-I12	Stellae	50.0	-35.8	34
31	EP-I14	New York Times	36.0	-52.6	34
32	EP-I16	Stellae	50.1	-25.2	38
33	EP-I18	Former NYMEX	59.9	-11.6	27
34	EP-K03	NSLIJ Unoccupied	75.0	-15.0	29
35	EP-K05	NSLIJ Surgical Oncology	20.9	-0.1	58
36	EP-K07	NSLIJ Mock-up Room	30.0	-16.4	28
37	EP-K09	NSLIJ Mock-up Room	50.0	-20.6	31
38	EP-K11	Antech	50.0	-12.5	32
39	EP-K13	Stellae	50.0	-18.4	32
40	EP-K15	Stellae	50.0	-51.9	41

**Table 3: Extraction Points Operational Data
Former Unisys Facility, Lake Success, New York**

#	Extraction Point ID	Location	Feb-16		
			Flow (SCFM)	Vacuum (in. WC)	Valve Position (%)
41	EP-K17	Former NYMEX	50.0	-5.4	27
42	EP-M04	NSLIJ Unoccupied	50.0	-9.3	35
43	EP-M06	NSLIJ Unoccupied	60.3	-19.2	39
44	EP-M08	NSLIJ Mock-up Room	50.0	-20.4	19
45	EP-M10	Antech	25.9	-6.2	24
46	EP-M12	Stellae	51.8	-9.1	34
47	EP-M14	Stellae	39.9	-24.0	27
48	EP-M16	Stellae	49.9	-34.8	36
49	EP-M18	Polar	25.0	-5.4	24
50	EP-O3.5	NSLIJ Unoccupied	119.1	-34.0	51
51	EP-O05	NSLIJ Unoccupied	59.9	-17.0	41
52	EP-O07	NSLIJ Mock-up Room	56.2	-32.6	60
53	EP-O09	NSLIJ Warehouse	26.0	-6.3	11
54	EP-O11	Antech	31.7	-6.8	29
55	EP-O13	Stellae	50.1	-16.7	30
56	EP-O15	Stellae	15.1	-56.3	26
57	EP-O17	Polar	82.4	-35.3	87
58	EP-P18	Polar	25.2	-26.2	28
59	EP-GAR01	SSDS Facility	50.0	-50.9	47
60	EP-GAR02	SSDS Facility	50.0	-29.2	48
61	SVE-G11	Unoccupied Space B2	60.2	-1.3	33
62	SVE-H11P	Unoccupied Space B2	119.0	-39.4	46
63	SVE-H09*	Unoccupied Space B2	112.0	-40.6	44

Legends:

EP: Extraction Point

in. WC: inches of water column

scfm: standard cubic feet per minute

SVE: Soil Vapor Extraction

Notes:

* The valve positions stated are percent open.

* The pressure readings are negative values relative to atmospheric in inches

* The flowrate, vacuum, and valve position readings are averaged over the r

SVE-H09 was tied in to the system between January 19th and January 20th and pro
27th.

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
12/2/2015	2073	WC-650 - Chiller	Weekly Operation	P	1.00	\$0.00	\$0.00	\$0.00	\$0.00	2	
	Notes:										
12/2/2015	2562	Emergency Shower - Emergency Shower Flush	Monthly Safety	P	0.10	\$0.00	\$0.00	\$0.00	\$0.00	-4	
	Notes:										
12/2/2015	2010	Carbon Monoxide Detector - Carbon Monoxide Detectors	Carbon Monoxide	P	0.20	\$0.00	\$0.00	\$0.00	\$0.00	8	
	Notes:										
12/7/2015	3194	T-750 - Carbon Bed	Carbon Changeout	S	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: BASED UPON THE RESULTS OF THE Q4 CARBON BED VAPOR SAMPLING, A CARBON CHANGEOUT IS NOT REQUIRED AT THIS TIME.										
12/7/2015	3193	T-740 - Carbon Bed	Carbon Changeout	S	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: BASED UPON THE RESULTS OF THE Q4 CARBON BED VAPOR SAMPLING, A CARBON CHANGEOUT IS NOT REQUIRED AT THIS TIME.										
12/7/2015	2343	P-600B - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A @ 08:05 PI-603 - 26 PSI TI-604 - 92* F TI-605 - 90* F PI-606 - 16 PSI SWITCHED TO PUMP 600B @ 08:35 SYSTEM OFF @ 09:05 PUMP OPERATION NORMAL										

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 1 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Cost	Cost	Lag Cost	Cost	Total Cost	Time**
12/7/2015	2291	P-600A - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A @ 08:05 PI-603 - 26 PSI TI-604 - 92* F TI-605 - 90* F PI-606 - 16 PSI SWITCHED TO PUMP 600B @ 08:35 SYSTEM OFF @ 09:05 PUMP OPERATION NORMAL										
12/9/2015	2074	WC-650 - Chiller	Weekly Operation	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	2	
	Notes: WEEKLY CHILLER TEST PUMP 600B STARTED AT 07:20 TI-601 - 119.04* F TI-602 - 120* F TI-701 - 70.192* F PI-603 - 26 PSI TI-604 - 70* F TI-605 - 64* F PI-606 - 16 PSI SWITCHED TO PUMP 600A AT 07:35 SYSTEM OFF AT 07:50 CHILLER OPERATION NORMAL										
12/10/2015	1995	Generator - Backup Gen	Monthly Load Test - Generator	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	10	
	Notes: MONTHLY GENERATOR LOAD BANK TEST STARTED SYSTEM AT 06:25 (RUN TIME 80.7 HRS) PHASE A-B B-C C-A VOTLZ 479 478 483 AMPS 93 91 92 HZ- 60.0 KW- 77 SYSTEM OFF AT 06:50 EMERGENCY GENERATOR AND LOAD BANK OPERATING NORMALLY NEW RUN TIME- 81.1 HRS										
12/14/2015	2086	EP Valves - General Valve Conditions	Loop Integrity Testing	P	1.30	\$0.00	\$0.00	\$0.00	\$0.00	-2	

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 2 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc.	Cost	Lag Cost	Cost	Total Cost	Time**
	Notes: LOOP INTEGRITY TEST RAN REMOTELY AFTER BUSINESS HOURS EXTRACTION POINTS WITH KNOWN ISSUES CURRENTLY BEING ADDRESSED WERE OMITTED FROM THE TEST. THESE POINTS INCLUDE: EP-G17, EP-G18, EP-C15, EP-I16, EP-O17, EP-M12 THREE POINTS FAILED INITIAL TEST: EP-G09, EP-M08, EP-GAR02 THE FAILED POINTS WERE MANUALLY RETESTED, AND ALL PASSED THE RE-TEST, OPENING AND CLOSING COMPLETELY										
12/14/2015	2344	P-600B - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 08:15 PI-603 - 26 PSI TI-604 - 89* F TI-605 - 87* F PI-606 - 16 PSI SWITCHED TO PUMP 600B AT 08:45 SYSTEM OFF AT 09:15 PUMP OPERATION NORMAL										
12/14/2015	2292	P-600A - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 08:15 PI-603 - 26 PSI TI-604 - 89* F TI-605 - 87* F PI-606 - 16 PSI SWITCHED TO PUMP 600B AT 08:45 SYSTEM OFF AT 09:15 PUMP OPERATION NORMAL										
12/15/2015	3204	C15 -	Corrective	C	2.00	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: CORRECTIVE MAINTENANCE (CALIBRATION) PERFORMED ON EP-C15 ZERO/SPAN VALUES CALIBRATED LIMIT SWITCHES CALIBRATED										

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 3 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
12/16/2015	3124	O17 -	Corrective	C	2.00	\$0.00	\$0.00	\$0.00	\$0.00	47	
THE EXTRACTION POINT STILL ONLY OPENED TO 77% ON SCADA FURTHER TROUBLESHOOTING REQUIRED TO IDENTIFY IF THE ISSUE ORIGINATES IN THE REMOTE PANEL, OR THE MOTHERBOARD, OR THE VALVE ITSELF EXTRACTION POINT Notes: 10/30/15 CORRECTIVE MAINTENANCE (CALIBRATION) OF EP-O17 PERFORMED POTENTIOMETER CALIBRATED ZERO AND SPAN VALUE CALIBRATION ATTEMPTED; ACTUATOR WOULD NOT RESPOND TO VALUES SENT BY THE HART LOOP CALIBRATOR UNIT. SCADA SHOWED THE ACTUATOR VALVE POSITION WAS NOT REGISTERING CORRECTLY. FURTHER TROUBLESHOOTING REQUIRED. POSSIBLE CIRCUIT BOARD ISSUE.											
12/16/2015	3213	I16 - EXTRACTION POINT	Corrective	C	1.00	\$0.00	\$0.00	\$0.00	\$0.00	0	
12/16/15 GWTT WAS ON-SITE TO TROUBLESHOOT EP-O17 IT WAS ULTIMATELY DETERMINED THAT THE OUTPUT LOOP WIRE BECAME IMPROPERLY SEATED, WHICH CAUSED THE MISCOMMUNICATION WITH SCADA. THE WIRE WAS RE-SEATED AND THE POINT WAS THEN RE-CALIBRATED CORRECTLY. THE POINT IS NOW FUNCTIONING CORRECTLY IN AUTO. Notes: GWTT ON-SITE TO PERFORM CORRECTIVE MAINTENANCE (REORIENTATION AND CALIBRATION) OF EP-I16 THE LIMIT SWITCHES WITHIN THE GEAR BOX WERE RE-ORIENTED CALIBRATION WAS ATTEMPTED THREE TIMES BEFORE THE ACTUATOR ACCEPTED THE CALIBRATION. EP-I16 IS NOW CORRECTLY CALIBRATED AND OPERATING IN AUTO, AND FUTURE LIMIT SWITCH CALIBRATIONS WILL NOW BE ACCESSIBLE.											
12/16/2015	2868	G17 -	Corrective	C	13.20	\$0.00	\$0.00	\$0.00	\$0.00	120	
EXTRACTION POINT Notes: 8/18/15 Found the valve was not fully closing. Upon further investigation, after calibration, it was determined that there is potential damage to the internal which is preventing it from properly sealing. In addition, the manual valve above the actuated is not sealing fully. Possibly same issue. 10/26/15 GWTT on-site to begin maintenance of the extraction point. EP-G17 Disabled and EP-G18 set to manual and increased to 100% open to compensate. EP-G17 dismantled and capped with system still running to inspect all parts in order to determine which parts need to be replaced. 10/27/15 GWTT contractors continued taking apart dismantled parts and inspecting for signs of wear to determine what needed to be replaced prior to rebuilding and reinstalling the extraction point components. 10/28/15 GWTT contractors began reassembling the components of EP-G17. Another camera inspection was requested, so											

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 4 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Labor Task Description	Inventory Type*	Misc. Assigned to Hours	Lag	Cost	Cost	Cost	Total Cost	Time**
			troubleshooting was performed to determine if the system could run on auto at a set flow point. This was not possible, and caused blower fluctuations that resulted in approximately ten minutes in which the system shut down repeatedly. The system was finally reset to pressure and subsequently stabilized.								
			10/29/15 EP-G17 was reassembled and the wiring was reconnected by LEB. EP-G18 was disabled and GWTT contractors began disassembling parts and inspecting for signs of wear to determine what needed to be replaced.								
			10/30/15 Continued corrective maintenance activites on both EP-G17 and EP-G18. At this time EP-G18 is disabled, and EP-G17 is open 100%. EP-G17 flow meter finally reading correctly, however, attempts to calibrate the actuator for EP-G17 were unsuccessful.								
			11/6/15 GWTT Installed Magnahelix Pressure Sensor across air filter to act as indicator for when filters need to be changed out.								
			12/3/15 GWTT on-site troubleshooting the actuators for EP-G17 and EP-G18. Pebbles and sand discovered in newly installed filter housings. Actuator valve damage suspected despite the valves having just been replaced. More troubleshooting/repairs required.								
12/16/2015	2869	G18 -	Corrective	C	1.00		\$0.00	\$0.00	\$0.00	\$0.00	120
		EXTRACTION POINT									
		Notes:	8/18/15 Found that the automated valve was not closing completely. Upon invesigation, the valve was found to be getting stuck before complete rotation. Potential blockage or damage.								
			10/26/15 GWTT on-site to begin maintenance of the extraction point. EP-G17 Disabled and EP-G18 set to manual and increased to 100% open to compensate. EP-G17 dismantled and capped with system still running to inspect all parts in order to determine which parts need to be replaced.								
			10/27/15 GWTT contractors continued taking apart dismantled parts and inspecting for signs of wear to determine what needed to be replaced prior to rebuilding and reinstalling the extraction point components.								
			10/28/15 GWTT contractors began reassembling the components of EP-G17. Another camera inspection was requested, so troubleshooting was performed to determine if the system could run on auto at a set flow point. This was not possible, and caused blower fluctuations that resulted in approximately ten minutes in which the system shut down repeatedly. The system was finally reset to pressure and subsequently stabilized.								
			10/29/15 EP-G17 was reassembled and the wiring was reconnected by LEB. EP-G18 was disabled and GWTT contractors began disassembling parts and inspecting for signs of wear to determine what needed to be replaced.								
			12/16/15 GWTT on-site to complete corrective maintenance on EP-G17 and EP-G18. EP-G17 brought back online to run in auto at 08:00								
			12/3/15 GWTT on-site troubleshooting the actuators for EP-G17 and EP-G18. Pebbles and sand discovered in newly installed filter housings. Actuator valve damage suspected despite the valves having just been replaced. More troubleshooting/repairs required.								

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 5 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
			10/30/15 Continued corrective maintenance activites on both EP-G17 and EP-G18. At this time EP-G18 is disabled, and EP-G17 is open 100%. EP-G17 flow meter finally reading correctly, however, attempts to calibrate the actuator for EP-G17 were unsuccessful.								
			11/2/15 Reassembled EP-G18 and manually opened 100% until LEB can come out (11/3/2015) to reconnect the electrical connections to the actuator and meters.								
			11/6/15 GWTT Installed Magnahelix Pressure Sensor across air filter to act as indicator for when filters need to be changed out.								
12/16/2015	2084	WC-650 - Chiller	Weekly Operation	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2
	Notes: WEEKLY CHILLER TEST PUMP 600A STARTED AT 09:22 TI-601 - 107.65* F TI-602 - 109* F TI-701 - 76.137* F PI-603 - 26 PSI TI-604 - 78* F TI-604 - 68* F PI-606 - 16 PSI SWITCHED TO PUMP 600B AT 09:37 SYSTEM OFF AT 09:52 CHILLER OPERATION NORMAL										
12/18/2015	3210	B500 VFD - VFDs for Blower in Electrical Room	Clean/Change VFD	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2
	Notes: CHECKED ALL FOUR AIR FILTERS- ALL DIRTY RINSED AIR FILTERS, ALLOWED TIME TO AIR DRY, RE-INSTALLED AIR FILTERS										
12/18/2015	2658	Fire Extinguishers - Plant Units	Monthly Safety	P	1.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2
	Notes:										
12/18/2015	3208	B300 VFD - VFDs for Blower in Electrical Room	Clean/Change VFD	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2
	Notes: CHECKED ALL FOUR AIR FILTERS- ALL DIRTY RINSED AIR FILTERS, ALLOWED TIME TO AIR DRY, RE-INSTALLED AIR FILTERS										
12/21/2015	2293	P-600A - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-1
	Notes: Operation while										

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 6 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
		Chiller Offline									
		Notes: WEEKLY PUMP EXERCISE									
		STARTED PUMP 600A AT 08:25									
		PI-603 - 26 PSI									
		TI-604 - 92* F									
		TI-605 - 90* F									
		PI-606 - 16 PSI									
		SWITCHED TO PUMP 600B AT 08:55									
		SYSTEM OFF AT 09:25									
		PUMP OPERATION NORMAL									
12/21/2015	2345	P-600B - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-1
		Operation while Chiller Offline									
		Notes: WEEKLY PUMP EXERCISE									
		STARTED PUMP 600A AT 08:25									
		PI-603 - 26 PSI									
		TI-604 - 92* F									
		TI-605 - 90* F									
		PI-606 - 16 PSI									
		SWITCHED TO PUMP 600B AT 08:55									
		SYSTEM OFF AT 09:25									
		PUMP OPERATION NORMAL									
12/21/2015	2100	WC-650 - Chiller	Trim Refrigerant (if necessary) - Chiller	S	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0
		Notes: Work Order was Skipped									
12/22/2015	2101	Generator - Backup Gen	Check Ground Connections	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-3
		Notes: VISUAL INSPECTION OF GROUNDING CONNECTION SHOWS THAT CONNECTIONS ARE INSTALLED AND APPEAR TIGHT.									
12/22/2015	2862	Electric Fire Pac - Pre Action Fire Panel	Quarterly Inspection	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-7
		Notes: Work completed by Vanguard									
12/22/2015	2089	Emergency Lights - Emergency Light Inspection	Emergency Lights	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-2
		Notes: Check all 11 lights. See Monthly Log for location details									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 7 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
12/22/2015	2858	Control Fire Pac -	Quarterly Inspection	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	-7	
		Pre Action Fire Panel									
		Notes:	Work completed by Vanguard								
12/23/2015	2092	Moisture Seperator	Moisture Extraction	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	-1	
		- Influent air/wate Pit Inspection seperator									
		Notes:	MONTHLY INSPECTION OF THE MOISTURE PIT COMPLETED. CONFINED SPACE ENTRY PERMIT COMPLETED. NO VISABLE LEAKS WERE DETECTED .								
12/23/2015	2085	WC-650 - Chiller	Weekly Operation	P	1.00	\$0.00	\$0.00	\$0.00	\$0.00	1	
		Notes:	WEEKLY CHILLER TEST								
		PUMP 600 B STARTRED AT 0:700 Hrs									
		TI - 601 - 107.73 *F									
		TI - 602 - 110 *F									
		TI - 701 - 70.338 *F									
		PI - 603 - 29 PSI									
		TI - 604 - 68 *F									
		TI - 605 - 62 *F									
		PI - 606 - 16 PSI									
		SWITCHED TO PUMP 600 A AT 0:730									
		SYSTEM OFF AT 08:00 . CHILLER OPERATION WAS NORMAL									
12/23/2015	2091	Fall safety system -	Fall Protection	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	-1	
		Lanyard, Yoyo, ar Inspection Harness									
		Notes:	INSPECTED FALL PROTECTION HARNESS, AND RETRACTABLE RETRIVEAL DEVICES . ALL EQUIPMENT IS OK, AND IN GOOD WORKING CONDITION								
12/24/2015	2093	Carbon Monoxide Detector - Carbor Detector Inspection	Carbon Monoxide	P	0.10	\$0.00	\$0.00	\$0.00	\$0.00	0	
		Monoxide Detectors									
		Notes:	TESTED CO DETECTORS; ALL ARE FUNCTIONING PROPERLY .								
12/24/2015	2090	Extension Chords -	Inspect Extension	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	1	
		Extension Chords Cords									
		Notes:	Label with Properly Colored Electrical Tape each quarter if cords are good								
		Jan, Feb, March- White									
		April, May, June- Green									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 8 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
12/28/2015	2346	July, August, September- Red October, November, December- Orange P-600B - Chiller Pump Operation while Chiller Offline	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1	
		Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 08:15 PI-603 - 26 PSI TI-604 - 92* F TI-605 - 90* F PI-606 - 16 PSI SWITCHED TO PUMP 600B AT 08:45 SYSTEM OFF AT 09:15 PUMP OPERATION NORMAL									
12/28/2015	2294	P-600A - Chiller Pump Operation while Chiller Offline	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1	
		Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 08:15 PI-603 - 26 PSI TI-604 - 92* F TI-605 - 90* F PI-606 - 16 PSI SWITCHED TO PUMP 600B AT 08:45 SYSTEM OFF AT 09:15 PUMP OPERATION NORMAL									
12/30/2015	3252	O17 -	Corrective	C	1.00	\$0.00	\$0.00	\$0.00	\$0.00	0	
		Notes: CORRECTIVE MAINTENANCE (CALIBRATION) ATTEMPTED AT POINT EP-O17 CALIBRATION OF ZERO AND SPAN VALUES COULD NOT BE COMPLETED BECAUSE THE CIRCUIT BOARD WOULD NOT ACCEPT THE CALIBRATION, DESPITE NUMEROUS ATTEMPTS. IN ADDITION, THE VALVE WOULD ONLY TURN COUNTER CLOCKWISE, VERY RARELY TURNING CLOCKWISE A POTENTIAL CIRCUIT BOARD ISSUE IS SUSPECTED TO BE THE CAUSE OF THE OBSERVED ISSUES WITH THE POINT NOT ACCEPTING MANUAL COMMANDS FROM SCADA									
12/30/2015	2110	WC-650 - Chiller	Weekly Operation	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	1	
		Notes: WEEKLY CHILLER TEST PUMP 600A STARTED AT 10:25									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 9 of 10

Table 4: Work Order History by Date with WO Notes
12/01/2015 To 12/31/2015

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Cost	Lag Cost	Cost	Total Cost	Time**
	TI-601 - 119.34*	F								
	TI-602 - 121*	F								
	TI-701 - 67.582*	F								
	PI-603 - 26	PSI								
	TI-604 - 68*	F								
	TI-605 - 64*	F								
	PI-606 - 16	PSI								
	SWITCHED TO PUMP 600B AT 10:40									
	SYSTEM OFF AT 10:55									
	CHILLER OPERATION NORMAL									
12/31/2015	2563	Emergency Shower	Monthly Safety	P	0.20	\$0.00	\$0.00	\$0.00	\$0.00	-1
	- Emergency	Equipment								
	Shower Flush									
	Notes:									
Summary										
Total # of WO's		38			Total Labor Cost		\$0.00			
Total Hours		32.00			Total Inventory Cost		\$0.00			
Average Lag Time*		14.25			Total Misc Cost		\$0.00			
					Total Cost		\$0.00			

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

01/07/2016 12:14 PM

Page 10 of 10

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/4/2016	2351	P-600B - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	0	
		Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 07:45 PI-603 - 26 PSI TI-604 - 94* F TI-605 - 92* F PI-606 - 16 PSI SWITCHED TO PUMP 600B AT 08:15 SYSTEM OFF AT 08:45 PUMP OPERATION NORMAL									
1/4/2016	2350	P-600A - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	0	
		Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 07:45 PI-603 - 26 PSI TI-604 - 94* F TI-605 - 92* F PI-606 - 16 PSI SWITCHED TO PUMP 600B AT 08:15 SYSTEM OFF AT 08:45 PUMP OPERATION NORMAL									
1/5/2016	1935	B-500 - Blower Blowers	Check Oil Level -	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	57	
		Notes: CHECKED OIL AFTER BLOWER WAS OFF-LINE FOR 30+ DAYS. OIL WAS TRANSPARENT AND OIL LEVEL WAS AT THE MIDDLE OF THE LEVEL INDICATOR. AN OIL CHANGE IS NOT REQUIRED AT THIS TIME, AND NO ADDITIONAL OIL NEEDED TO BE ADDED AT THIS TIME.									
1/5/2016	2076	B-300 - Blower Blowers	Check Oil Level -	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	29	
		Notes: CHECKED OIL AFTER BLOWER WAS OFF-LINE FOR 30+ DAYS. OIL WAS TRANSPARENT AND OIL LEVEL WAS AT THE MIDDLE OF THE LEVEL INDICATOR. AN OIL CHANGE IS NOT REQUIRED AT THIS TIME, AND NO ADDITIONAL OIL NEEDED TO BE ADDED AT THIS TIME.									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 1 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/5/2016	2078	B-500 - Blower Blowers	Check Oil Level -	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	29	
		Notes: CHECKED OIL AFTER BLOWER WAS OFF-LINE FOR 30+ DAYS. OIL WAS TRANSPARENT AND OIL LEVEL WAS AT THE MIDDLE OF THE LEVEL INDICATOR. AN OIL CHANGE IS NOT REQUIRED AT THIS TIME, AND NO ADDITIONAL OIL NEEDED TO BE ADDED AT THIS TIME.									
1/5/2016	1933	B-300 - Blower Blowers	Check Oil Level -	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	57	
		Notes: CHECKED OIL AFTER BLOWER WAS OFF-LINE FOR 30+ DAYS. OIL WAS TRANSPARENT AND OIL LEVEL WAS AT THE MIDDLE OF THE LEVEL INDICATOR. AN OIL CHANGE IS NOT REQUIRED AT THIS TIME, AND NO ADDITIONAL OIL NEEDED TO BE ADDED AT THIS TIME.									
1/5/2016	2804	B-500 - Blower	Check Rotor for Contamination	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	97	
		Notes: NO SIGNS OF CONTAMINATION PRESENT									
1/5/2016	1717	B-300 - Blower	Check Rotor for Contamination	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	97	
		Notes: NO SIGNS OF CONTAMINATION PRESENT									
1/5/2016	1705	B-500 - Blower - Blowers	Check Blow-off Valve	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	99	
		Notes:									
1/5/2016	3108	B-500 - Blower Blowers	Check Air Filter -	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	85	
		Notes: AIR FILTER CHECKED FOR DUST ACCUMULATION AFTER BEING OFFLINE FOR THIRTY DAYS AS OUTLINED IN THE OMM MANUAL. MINIMAL DUST ACCUMULATION PRESENT, AIR FILTER CHANGE NOT REQUIRED AT THIS TIME.									
1/5/2016	3105	B-300 - Blower Blowers	Check Belt Tension -	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	85	
		Notes: CHECKED BELT FOR SIGNS OF WEAR. NO SIGNS OF WEAR PRESENT. BELT REPLACEMENT NOT REQUIRED AT THIS TIME. CHECKED BELT TENSION- TENSION BAR ORIENTED TO LOWER AREA OF INDICATOR- BELT TENSION DID NOT REQUIRE ADJUSTING.									
1/5/2016	3106	B-500 - Blower Blowers	Check Belt Tension -	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	85	
		Notes: CHECKED BELT FOR SIGNS OF WEAR. NO SIGNS OF WEAR PRESENT. BELT REPLACEMENT NOT REQUIRED AT THIS TIME. CHECKED BELT TENSION- TENSION BAR ORIENTED TO LOWER AREA OF INDICATOR- BELT TENSION DID NOT REQUIRE ADJUSTING.									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 2 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/5/2016	3107	B-300 - Blower Blowers	Check Air Filter -	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	85	
	Notes:	AIR FILTER CHECKED FOR DUST ACCUMULATION AFTER BEING OFFLINE FOR THIRTY DAYS AS OUTLINED IN THE OMM MANUAL. MINIMAL DUST ACCUMULATION PRESENT, AIR FILTER CHANGE NOT REQUIRED AT THIS TIME.									
1/5/2016	1703	B-300 - Blower - Blowers	Check Blow-off Valve	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	99	
	Notes:										
1/6/2016	2359	B-400 - Blower Blowers	Check Oil Level -	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	-5	
	Notes:	OIL CLARITY IS ACCEPTABLE, OIL LEVEL IS SUFFICIENT									
1/6/2016	2360	B-500 - Blower Blowers	Check Oil Level -	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	-5	
	Notes:	OIL CLARITY IS ACCEPTABLE, OIL LEVEL IS SUFFICIENT									
1/6/2016	2357	B-200 - Blower Blowers	Check Oil Level -	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	-5	
	Notes:	OIL CLARITY IS ACCEPTABLE, OIL LEVEL IS SUFFICIENT									
1/6/2016	2352	WC-650 - Chiller	Weekly Operation	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	2	
	Notes:	WEEKLY CHILLER TEST RUN STARTED PUMP 600B AT 08:40 TI-601 - 115.04* F TI-602 - 116* F TI-701 - 72.063* F PI-603 - 26 PSI TI-604 - 70* F TI-605 - 64* F PI-606 - 16 PSI SWITCHED TO PUMP 600A AT 08:55 SYSTEM OFF AT 09:10 CHILLER OPERATION NORMAL									
1/6/2016	2358	B-300 - Blower Blowers	Check Oil Level -	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	-5	
	Notes:	OIL CLARITY IS ACCEPTABLE, OIL LEVEL IS SUFFICIENT									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 3 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/6/2016	2075	B-200 - Blower Blowers	Check Oil Level -	P		0.15	\$0.00	\$0.00	\$0.00	\$0.00	30
	Notes:	OIL CLARITY IS ACCEPTABLE, OIL LEVEL IS SUFFICIENT									
1/6/2016	2077	B-400 - Blower Blowers	Check Oil Level -	P		0.15	\$0.00	\$0.00	\$0.00	\$0.00	30
	Notes:	OIL CLARITY IS ACCEPTABLE, OIL LEVEL IS SUFFICIENT									
1/6/2016	1934	B-400 - Blower Blowers	Check Oil Level -	P		0.15	\$0.00	\$0.00	\$0.00	\$0.00	58
	Notes:	OIL CLARITY IS ACCEPTABLE, OIL LEVEL IS SUFFICIENT									
1/6/2016	1932	B-200 - Blower Blowers	Check Oil Level -	P		0.15	\$0.00	\$0.00	\$0.00	\$0.00	58
	Notes:	OIL CLARITY IS ACCEPTABLE, OIL LEVEL IS SUFFICIENT									
1/7/2016	3207	B200 VFD - VFDs for Blower in Electrical Room	Clean/Change VFD	P		0.25	\$0.00	\$0.00	\$0.00	\$0.00	22
	Notes:	CHECKED ALL FOUR AIR INTAKE FILTERS- FILTERS FOUND TO BE CAKED WITH DUST CLEANED ALL FOUR AIR INTAKE FILTERS AND REINSTALLED THE CLEANED FILTERS									
1/7/2016	3209	B400 VFD - VFDs for Blower in Electrical Room	Clean/Change VFD	P		0.25	\$0.00	\$0.00	\$0.00	\$0.00	22
	Notes:	CHECKED ALL FOUR AIR INTAKE FILTERS- FILTERS FOUND TO BE CAKED WITH DUST CLEANED ALL FOUR AIR INTAKE FILTERS AND REINSTALLED THE CLEANED FILTERS									
1/11/2016	2088	T-750 - Carbon Bed Monitoring	Quarterly Pressure	P		0.15	\$0.00	\$0.00	\$0.00	\$0.00	7
	Notes:	QUARTERLY CARBON BED PRESSURE MONITORING COMPLETED AT 11:00 SP-V-719 - 3.38 "W.C. SP-V-736B - 2.21 "W.C. SP-V-737 - 0.30 "W.C.									
1/11/2016	2361	P-600A - Chiller Pump Operation while Chiller Offline	Weekly Maintenance	P		0.30	\$0.00	\$0.00	\$0.00	\$0.00	-1
	Notes:	Weekly Pump exercise Started pump 600 A 07:10 PI- 603 - 26 PSI									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 4 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
		TI- 604 - 88 *F TI- 605 - 87 * F PI - 606 - 16 PSI Switched to pump 600 B at 07:40 System off at 08:10 pump operation was normal .									
1/11/2016	2362	P-600B - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-1
		Notes: Weekly Pump exercise Started pump 600 A 07:10 PI- 603 - 26 PSI TI- 604 - 88 *F TI- 605 - 87 * F PI - 606 - 16 PSI Switched to pump 600 B at 07:40 System off at 08:10 pump operation was normal .									
1/11/2016	2087	T-740 - Carbon Bed	Quarterly Pressure Monitoring	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	7
		Notes: QUARTERLY CARBON BED PRESSURE MONITORING COMPLETED AT 11:00 SP-V-719 - 3.38 "W.C. SP-V-736B - 2.21 "W.C. SP-V-737 - 0.30 "W.C.									
1/13/2016	2372	EP Valves - General Valve Conditions	Loop Integrity Testing	P	1.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0
		Notes: LOOP INTEGRITY TEST COMPLETED REMOTELY AFTER NORMAL BUSINESS HOURS EP-O17, EP-M12, AND EP-C15 FAILED REMOTE LOOP INTEGRITY TEST THESE RESULTS WERE ANTICIPATED AS ALL THREE EXTRACTION POINTS HAVE PENDING SCHEDULED MAINTENANCE NO ADDITIONAL POINTS FAILED THE LOOP INTEGRITY TEST									
1/13/2016	2363	WC-650 - Chiller	Weekly Operation	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	1
		Notes: WEEKLY CHILLER TEST RUN PUMP 600A STARTED AT 08:30 TI-601 - 115.34* F TI-602 - 118* F									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 5 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/14/2016	TI-701 - 69.287* F										
	PI-603 - 25 PSI										
	TI-604 - 70* F										
	TI-605 - 64* F										
	PI-606 - 17 PSI										
	SWITCHED TO PUMP 600B AT 08:45										
	SYSTEM OFF AT 09:00										
	CHILLER OPERATION NORMAL										
	3205	C15 -	Corrective	C	2.00	\$0.00	\$0.00	\$0.00	\$0.00	30	
	EXTRACTION POINT										
Notes: 12/15/15											
CORRECTIVE MAINTENANCE (CALIBRATION) PERFORMED ON EP-C15											
ZERO/SPAN VALUES CALIBRATED											
LIMIT SWITCHES CALIBRATED											
THE EXTRACTION POINT STILL ONLY OPENED TO 77% ON SCADA											
FURTHER TROUBLESHOOTING REQUIRED TO IDENTIFY IF THE ISSUE ORIGINATES IN THE REMOTE PANEL, OR THE MOTHERBOARD, OR THE VALVE ITSELF											
1/15/2016	1/14/16										
	SYSTEMATIC ON-SITE TO PERFORM CORRECTIVE MAINTENANCE ON EP-M12 AND EP-C15										
	EXTENSIVE TROUBLESHOOTING ON EP-C15 COMPLETED, ELECTRICAL SIGNALS COMING FROM POINT VERIFIED										
	COMPLETE CALIBRATION PERFORMED ON ACTUATOR FOR EP-C15										
	2347	Generator - Backup	Monthly Load Test -	P	0.45	\$0.00	\$0.00	\$0.00	\$0.00	11	
	Gen	Generator									
	Notes: Completed Monthly Emergency Load Bank Test										
	01/15/16 Started test at 0610 hrs .										
1/15/2016		Volts	Amps								
	A-B	480	93								
	B-C	480	93								
	C-A	481	93								
	Hz = 60										
	KW = 77										
2659	Fire Extinguishers - Plant Units	Monthly Safety	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	0		

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 6 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/18/2016	2437	Eye Wash Station - 2 Eye Wash Bo Station	Inspect Eye Wash	P	0.10	\$0.00	\$0.00	\$0.00	\$0.00	0	
1/18/2016	2369	P-600A - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	-1	
	Notes: Inspected shower and eye wash staion . The equipment is working propwerl . Dated and signed inspection card Operation while Chiller Offline Notes: Weekly Pump Excercise Startedat Pump 600 A at 8:30:AM PI - 603 - 25 Psi TI - 604 - 88 *F TI - 605 - 86 *F PI - 606 - 17 Psi Switched to pump 600 B at 9:00:AM System off at 9:30:AM Pump operation was normal										
1/18/2016	2370	P-600B - Chiller Pump	Weekly Maintenance	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	-1	
	Notes: Weekly Pump Excercise Startedat Pump 600 A at 8:30:AM PI - 603 - 25 Psi TI - 604 - 88 *F TI - 605 - 86 *F PI - 606 - 17 Psi Switched to pump 600 B at 9:00:AM System off at 9:30:AM Pump operation was normal										
1/18/2016	2564	Emergency Shower - Emergency Equipment Shower Flush	Monthly Safety	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-12	

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 7 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/18/2016	2440	Carbon Monoxide Detector - Carbon Monoxide Detectors	Carbon Monoxide Detector Inspection	P	0.10	\$0.00	\$0.00	\$0.00	\$0.00	-5	
1/19/2016	2391	Carbon Monoxide detectors tested and are operating properly HVAC - HVAC System	HVAC Quarterly	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	50	
1/19/2016	2390	COMPLETED BY TRANE HVAC - HVAC System	HVAC Quarterly	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	36	
1/19/2016	2410	COMPLETED BY TRANE WC-650 - Chiller	Check for leaks - Chiller	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	
1/19/2016	1784	NO LEAKS DETECTED CHILLER OPERATING CONDITIONS NORMAL CD-650 - Condenser Unit - Condenser	Clean Condenser	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	28	
1/19/2016	3211	COMPLETED BY TRANE LA Fit Passive Vent - Passive Venting System at the LA Fitness Building	Semi-Annual LA Fitness Passive Vent Inspection	P	6.00	\$0.00	\$0.00	\$0.00	\$0.00	15	
		Notes: PREVIOUS SCHEDULED EVENT WAS CLOSED IN ERROR. RESCHEDULED FOR FIRST WEEK IN JANUARY LA FITNESS PASSIVE VENT INSPECTION AND MONITORING COMPLETED 1/20/16 SLIGHT SURFACE RUST OBSERVED ON COUPLINGS AND PIPING NO CRACKS OR LEAKS DETECTED OVERALL CONDITION OF THE PASSIVE VENT SYSTEM IS GOOD NO OBSTRUCTIONS OBSERVED PID READINGS 0.0 PPM									
1/19/2016	2438	Fall safety system - Lanyard, Yoyo, and Harness	Fall Protection	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	-4	

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 8 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/19/2016	2103	Notes: Inspected Fall Harness, and retractable devices . all fall protection equipment is in good condition. HVAC - HVAC System and Condensate Piping	Check Drain Pans	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	25	
1/19/2016	2107	Notes: COMPLETED BY TRANE HVAC - HVAC System Connections	Check Electrical	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	25	
1/19/2016	2382	Notes: COMPLETED BY TRANE WC-650 - Chiller Customer Notification Initial Site Inspection Review Diagnostics (standard) Compressor and Oil Separator Heater Check Pre-Start Check Generic Water-Cooled Water Pressure Drop Validation Generic Flow Device Check Generic Start Unit Compressor Check TechView/Kestrel View Connection Run Service Report from Kestrel View Techview/Kestrel View Disconnection Complete Required Paper Work	Chiller Quarterly	P	Steve Pallone	0.00	\$0.00	\$0.00	\$0.00	\$0.00	43
1/19/2016	2436	Leak Detection Emergency Lights - Emergency Light Inspection Notes: Check all 11 lights. See Monthly Log for location details Emergency lights by western entrance closest to SSDS control room door failed. Emergency lights above electric room entrance door failed .	Emergency Lights	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	-4	
1/20/2016	2371	Battrries will be replaced in those two fixtures WC-650 - Chiller Notes: Weekly Chiller Test Run Pump 600 A Started at 8:00:AM TI - 601- 116.65 *F	Weekly Operation	P	1.00	\$0.00	\$0.00	\$0.00	\$0.00	1	

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 9 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Cost	Lag Cost	Cost	Total Cost	Time**
1/20/2016	TI - 602- 118 *F									
	TI - 603- 25 PSI									
	TI - 604- 70 *F									
	TI - 605- 68 *F									
	TI - 606- 16 PSI									
1/20/2016	TI - 701- 67.05 *F									
	Switched to pump 600 B at 8:30 AM									
	System off at 9:00 AM									
	Chiller operation normal									
	2439	Moisture Seperator	Moisture Extraction	P	0.10	\$0.00	\$0.00	\$0.00	\$0.00	-3
1/25/2016	- Influent air/wz Pit Inspection seperator									
	Notes: Inspected Moisture Pit using propeer Fall Protection and PPE.									
	Confined space permit completed									
	No leaks observed in pit upon entry.									
	2429	P-600B - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1
1/25/2016	Operation while Chiller Offline									
	Notes: WEEKLY PUMP EXERCISE									
	STARTED PUMP 600A AT 08:00									
	PI-603 - 25 PSI									
	TI-604 - 91* F									
1/25/2016	TI-605 - 88* F									
	PI-606 - 17 PSI									
	SWITCHED TO PUMP 600B AT 08:30									
	SYSTEM OFF AT 09:00									
	PUMP OPERATION NORMAL									
1/25/2016	2426	P-600A - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1
	Operation while Chiller Offline									
	Notes: WEEKLY PUMP EXERCISE									
	STARTED PUMP 600A AT 08:00									
	PI-603 - 25 PSI									
	TI-604 - 91* F									
	TI-605 - 88* F									
	PI-606 - 17 PSI									
	SWITCHED TO PUMP 600B AT 08:30									
	SYSTEM OFF AT 09:00									
	PUMP OPERATION NORMAL									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 10 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
1/25/2016	3281	O17 -	Corrective	C	1.00	\$0.00	\$0.00	\$0.00	\$0.00	-1	
		EXTRACTION POINT									
		Notes: GWTT PREFORMED A THOROUGH RECALIBRATION OF EP-O17 DURING THE RECALIBRATION IT WAS OBSERVED THAT THE POTENTIOMETER GEARS WERE "SLIPPING" WHICH WAS DETERMINED TO BE THE MOST LIKELY CAUSE OF THE ISSUES ENCOUNTERED THE POINT IS CURRENTLY OPERATING CORRECTLY, IN AUTO, BUT IF THE ISSUE IS ENCOUNTERED AGAIN, THE RECOMMENDATION WOULD BE TO LOOK INTO REPLACING THE AFOREMENTIONED GEARS									
1/26/2016	2012	CD-650 -	Quarterly	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	64	
		Condenser	Maintenance - Trane								
		Notes: Conducted by Trane - Annual Contract									
1/27/2016	2432	WC-650 - Chiller	Weekly Operation	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	1	
		Notes: WEEKLY CHILLER TEST RUN									
		PUMP 600B STARTED AT 07:37									
		TI-601 - 104.94* F									
		TI-602 - 107* F									
		TI-701 - 71.503* F									
		PI-603 - 25 PSI									
		TI-604 - 70* F									
		TI-605 - 64* F									
		PI-606 - 17 PSI									
		SWITCHED TO PUMP 600a AT 07:52									
		SYSTEM OFF AT 08:07									
		CHILLER OPERATION NORMAL									
1/29/2016	3042	T-740 - Carbon Bed	Carbon Bed Sample	P	1.50	\$0.00	\$0.00	\$0.00	\$0.00	3	
			// Quarterly								
		Notes: CARBON BED VAPOR SAMPLES COLLECTED UTILIZING SUMMA CANISTERS WITH 20 MINUTE REGULATORS									
		V736- 012916 COLLECTED FROM 8:55 - 9:20									
		CANISTER ID 3707									
		FLOW CONTROLLER ID 4608									
		V734- 012916 COLLECTED FROM 9:00 - 9:26									
		CANISTER ID 5140									
		FLOW CONTROLLER ID 5993									
		V718- 012916 COLLECTED FROM 9:04 - 9:31									
		CANISTER ID 3200									
		FLOW CONTROLLER ID 4614									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 11 of 12

Table 4: Work Order History by Date with WO Notes
1/1/2016 to 1/31/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Cost	Cost	Lag Cost	Cost	Total Cost	Time**
1/29/2016		SAMPLES PICKED UP BY TEST AMERICA AT 10:10									
	3046	T-750 - Carbon Bed	Carbon Bed Sample	P	1.50	\$0.00	\$0.00	\$0.00	\$0.00		3
		// Quarterly									
		Notes: CARBON BED VAPOR SAMPLES COLLECTED UTILIZING SUMMA CANISTERS WITH 20 MINUTE REGULATORS									
		V736- 012916 COLLECTED FROM 8:55 - 9:20									
		CANISTER ID 3707									
		FLOW CONTROLLER ID 4608									
		V734- 012916 COLLECTED FROM 9:00 - 9:26									
		CANISTER ID 5140									
		FLOW CONTROLLER ID 5993									
		V718- 012916 COLLECTED FROM 9:04 - 9:31									
		CANISTER ID 3200									
		FLOW CONTROLLER ID 4614									
		SAMPLES PICKED UP BY TEST AMERICA AT 10:10									
Summary											
Total # of WO's		58		Total Labor Cost		\$0.00					
Total Hours		25.35		Total Inventory Cost		\$0.00					
Average Lag Time*		28.35		Total Misc Cost		\$0.00					
				Total Cost		\$0.00					

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

02/04/2016 09:21 AM

Page 12 of 12

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Cost	Cost	Lag Cost	Cost	Total Cost	Time**
2/1/2016	2427	P-600A - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00		-1
	Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 09:15 PI-603 - 26 PSI TI-604 - 92* F TI-605 - 90* F PI-606 - 17 PSI SWITCHED TO PUMP 600B AT 09:45 SYSTEM OFF AT 10:15 PUMP OPERATION NORMAL										
2/1/2016	2430	P-600B - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00		-1
	Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 09:15 PI-603 - 26 PSI TI-604 - 92* F TI-605 - 90* F PI-606 - 17 PSI SWITCHED TO PUMP 600B AT 09:45 SYSTEM OFF AT 10:15 PUMP OPERATION NORMAL										
2/3/2016	2433	WC-650 - Chiller	Weekly Operation	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00		1
	Notes: WEEKLY CHILLER TEST RUN PUMP 600A STARTED AT 07:28 TI-601 - 118.54* F TI-602 - 121* F TI-701 - 70.113* F PI-603 - 26 PSI TI-604 - 70* F TI-605 - 64* F PI-606 - 17 PSI SWITCHED TO PUMP 600B AT 07:43 SYSTEM OFF AT 07:58										

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 1 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
2/4/2016	CHILLER OPERATION NORMAL										
	2422	Generator - Backup Gen	Monthly Load Test -	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	1	
	Notes:	Emergency Load Bank Test Completed									
	Phase	A-B	B-C	C-A							
	Volts	480	479	480							
	AMPS	93	91	92							
	HZ= 60										
KW= 77											
2/8/2016	2428	P-600A - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes:	WEEKLY PUMP EXERCISE 600A/600B									
	STARTED PUMP 600B AT 11:00										
	PI-603 - 26 PSI										
	TI-604 - 96* F										
	TI-605 - 94* F										
	PI-606 - 18 PSI										
	SWITCHED TO PUMP 600A AT 11:30										
	SYSTEM OFF AT 12:00										
	PUMP OPERATION NORMAL										
2/8/2016	2431	P-600B - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes:	WEEKLY PUMP EXERCISE 600A/600B									
	STARTED PUMP 600B AT 11:00										
	PI-603 - 26 PSI										
	TI-604 - 96* F										
	TI-605 - 94* F										
	PI-606 - 18 PSI										
	SWITCHED TO PUMP 600A AT 11:30										
	SYSTEM OFF AT 12:00										
	PUMP OPERATION NORMAL										

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 2 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
2/8/2016	2434	WC-650 - Chiller	Weekly Operation	P	1.00	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: Weekly Pump Test Started at 11:00 am Pump 600 B PI - 603 26 Psi TI - 604 - 96 *F TI - 605 - 94 *F PI - 606 - 18 Psi Switched to Pump 600 A at 11:30 Am System off at 12:00 pm Pump operation Normal										
2/8/2016	2660	Fire Extinguishers - Plant Units	Monthly Safety	P	0.15	\$0.00	\$0.00	\$0.00	\$0.00	-6	
	Notes: ALL FIRE EXTINGUISHERS PASSED INSPECTION										
2/9/2016	3280	M12 -	Corrective	C	2.00	\$0.00	\$0.00	\$0.00	\$0.00	19	
	EXTRACTION POINT Notes: 1/14/16 SYSTEMATIC ON-SITE TO PERFORM CORRECTIVE MAINTENANCE ON EP-M12 AND EP-C15 TROUBLESHOOTING OF EP-M12 REVEALED THAT THE FLOW METER WAS NOT REGISTERING FLOW CORRECTLY MAINTENANCE OR REPLACEMENT OF FLOW METER RECOMMENDED BY SYSTEMATIC 2/8/16 ATTEMPTED ACCESS TO STELLAE TO CHANGE OUT FLOW METER, BUT WAS DENIED ENTRY BY SECURITY ACCESS WAS RESCHEDULED FOR 2/9 TO COINCIDE WITH NESTED VAPOR POINT SAMPLING 2/9/16 RYLAN FROM SYSTEMATIC ONSITE TO SWAP OUT MALFUNCTIONING FLOW METER AT EP-M12 WITH SPARE INVENTORY FLOW METER. SWAP OUT WAS SUCCESSFUL AND NEW FLOW METER IS OPERATING NORMALLY WITH THE POINT OPERATING IN AUTO										
2/10/2016	3326	WC-650 - Chiller	Weekly Operation	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: *NOTE- PREVIOUS WORK ORDER WAS CLOSED OUT IN ERROR DURING WEEKLY PUMP EXERCISE WEEKLY CHILLER TEST RUN PUMP 600B STARTED AT 08:08 TI-601 - 119.07* F TI-602 - 122* F TI-701 - 72.435* F PI-603 - 26 PSI										

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 3 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
		TI-604 - 72* F									
		TI-605 - 64* F									
		PI-606 - 17 PSI									
		SWITCHED TO PUMP 600A AT 08:23									
		SYSTEM OFF AT 08:38									
		CHILLER OPERATION NORMAL									
2/12/2016	2618	B-300 - Blower	Grease Motor	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	16	
		Bearings - Blowers									
	Notes:	Completd Greasing of on line Blower 300 and 500 , by Greg Gangemi									
2/12/2016	2619	B-500 - Blower	Grease Motor	P	0.30	\$0.00	\$0.00	\$0.00	\$0.00	9	
		Bearings - Blowers									
	Notes:										
2/15/2016	2446	P-600A - Chiller	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1	
		Pump	Operation while								
		Chiller Offline									
	Notes:	WEEKLY PUMP EXERCISE									
		STARTED PUMP 600A AT 07:05									
		PI-603 - 26 PSI									
		TI-604 - 86* F									
		TI-605 - 84* F									
		PI-606- 17 PSI									
		SWITCHED TO PUMP 600B AT 07:35									
		SYSTEM OFF AT 08:05									
		PUMP OPERATION NORMAL									
2/15/2016	2448	P-600B - Chiller	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1	
		Pump	Operation while								
		Chiller Offline									
	Notes:	WEEKLY PUMP EXERCISE									
		STARTED PUMP 600A AT 07:05									
		PI-603 - 26 PSI									
		TI-604 - 86* F									
		TI-605 - 84* F									
		PI-606- 17 PSI									
		SWITCHED TO PUMP 600B AT 07:35									
		SYSTEM OFF AT 08:05									
		PUMP OPERATION NORMAL									
2/16/2016	2452	First Aid Kit - First	First Aid Kit	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1	

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 4 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
		Aid Kit	Inspection								
		Notes:	Inspect Expiration Dates and inspect for defect .								
		First aid kit inspected . All items are good ..									
2/16/2016	2565	Emergency Shower	Monthly Safety	P		0.10	\$0.00	\$0.00	\$0.00	\$0.00	-1
		- Emergency Equipment Shower Flush									
		Notes:	Tested emergency shower and eye wash station. equipment is ok .								
2/17/2016	3327	WC-650 - Chiller	Weekly Operation	P		1.00	\$0.00	\$0.00	\$0.00	\$0.00	0
		Notes:	Weekly Chiller Test Run Completed and is operating properly								
		Pump 600 B started 07:40									
		TI - 601- 116.87 *F									
		TI - 602- 120°F									
		TI - 701- 69.583 *F									
		PI - 603 - 25 PSI									
		TI - 604 - 72°F									
		TI - 605 - 66°F									
		PI - 606 - 17 PSI									
		Switched to pump 600B at 08:10									
		System off at at 08:40									
		Chiller operation was normal									
2/18/2016	3379	O17 -	Corrective	C		2.25	\$0.00	\$0.00	\$0.00	\$0.00	0
		EXTRACTION POINT									
		Notes:	CORRECTIVE MAINTENANCE								
		DALLAS MELLOTT RECEIVED A NOISE COMPLAINT FROM MARVA, CLAIMING THAT POLAR CALLED TO REPORT A WHISTLING SOUND FROM EP-O17 IN THE POLAR WAREHOUSE									
		GREG GANGEMI ATTEMPTED TO ALTER THE POSITION OF THE ACTUATOR VALVE, AND WAS ABLE TO CLOSE THE POINT, BUT NOT REMOTELY RE-OPEN IT.									
		DUSTIN GAGLIANO MOBILIZED TO THE POINT AND ATTEMPTED TO RECALIBRATE IT WITH REMOTE ASSISTANCE FROM DAN PRISCO-BUXBAUM									
		AFTER TROUBLESHOOTING, IT WAS DETERMINED THAT THE POTENTIOMETER GEARS WERE STILL "SLIPPING" AND IT WAS DETERMINED THAT THOSE GEARS MUST BE REPLACED. WITH GUIDANCE FROM DAN PRISCO-BUXBAUM, DUSTIN GAGLIANO MANUALLY OPENED THE VALVE, AND GREG GANGEMI SET THE POINT TO OPERATE ON MANUAL, TO PREVENT THE WHISTLING ISSUE UNTIL A REPAIR CAN BE SCHEDULED.									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 5 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
2/22/2016	2447	P-600A - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1	
	Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 07:40 PI-603 - 26 PSI TI-604 - 93* F TI-605 - 91* F PI-606 - 17 PSI SWITCHED TO PUMP 600B AT 08:10 SYSTEM OFF AT 08:40 PUMP OPERATION NORMAL										
2/22/2016	2449	P-600B - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1	
	Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 07:40 PI-603 - 26 PSI TI-604 - 93* F TI-605 - 91* F PI-606 - 17 PSI SWITCHED TO PUMP 600B AT 08:10 SYSTEM OFF AT 08:40 PUMP OPERATION NORMAL										
2/23/2016	2435	EP Valves - General Valve Conditions	Loop Integrity Testing	P	1.50	\$0.00	\$0.00	\$0.00	\$0.00	11	
	Notes: PERFORMED LOOP INTEGRITY TEST REMOTELY BEFORE NORMAL WORK HOURS EP-O17 WAS EXCLUDED FROM TEST DUE TO KNOWN MAINTENANCE ISSUES EP-I06 FAILED LOOP INTEGRITY TEST. THE POINT SUBSEQUENTLY WAS OBSERVED TO HAVE MINIMAL TO NO FLOW URGENT CORRECTIVE MAINTENANCE FOR EP-I06 WAS SCHEDULED TO TROUBLESHOOT THE POINT										
2/24/2016	2453	Emergency Lights - Emergency Light Inspection	Emergency Lights	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	2	
	Notes: Check all 11 lights. See Monthly Log for location details										
2/24/2016	2456	Carbon Monoxide Detector - Carbo Detector Inspection Monoxide Detectors	Carbon Monoxide	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00	2	

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 6 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
2/24/2016	3328	WC-650 - Chiller	Weekly Operation	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	0	
	Notes: MONTHLY CARBON MONOXIDE DETECTOR TEST- PASSED WEEKLY CHILLER TEST RUN PUMP 600B STARTED AT 09:15 TI-601 - 119.14* F TI-602 - 121* F TI-701 - 70.424* F PI-603 - 26 PSI TI-604 - 70* F TI-605 - 64* F PI-606 - 17 PSI SWITCHED TO PUMP 600A AT 09:30 SYSTEM OFF AT 09:45 CHILLER OPERATION NORMAL										
2/25/2016	2459	WC-650 - Chiller	Chiller Quarterly	P	Steve Pallone	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0
2/25/2016	2445	WC-650 - Chiller	Check for leaks - Chiller	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	7	
2/25/2016	2477	WC-650 - Chiller	Chiller Oil Sample Analysis	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	-5	
2/25/2016	2476	WC-650 - Chiller	Chiller Semi-Annual Inspection	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	-5	
	Notes: Annual March 2016 COMPLETED BY TRANE Customer Notification Initial Site Inspection Review Diagnostics (Standard) Lock Out Tag Out (Standard) High Pressure Leak Check (Standard) Compressor Starter Inspection (Wye-Delta) Meg Motor at Motor Terminals										

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 7 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
			Remove Lock Out Tag Out and Restore Power								
			Compressor and Oil Separator Heater Check								
			Pre-Start Check Generic Water-Cooled								
			Water Pressure Drop Validation Generic								
			Flow Device Check Generic								
			Start Unit								
			Compressor Check								
			Techview/Kestrel View Connection								
			Run Service Report from Kestrel View								
			Techview/Kestrel View Disconnection								
			Complete Requested Paper Work								
2/25/2016	2472	WC-650 - Chiller	Quarterly	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	4	
		Maintenance - Trane									
	Notes:	Conducted by Trane - Annual Contract									
2/25/2016	3398	K17 -	Corrective	C	0.50	\$0.00	\$0.00	\$0.00	\$0.00	-1	
		EXTRACTION									
		POINT									
	Notes:	REPORTS OF HISSING FROM THE SLAB ADJACENT TO EP-K17									
		UPON INSPECTION, IT WAS OBSERVED THAT SMALL CRACKS IN THE CONCRETE SLAB NEAR EP-K17 WERE CAUSING									
		DECREASED VACUUM, AND INTAKE OF AIR FROM THE SPACE									
		CONCRETE/MORTAR FILLER AND SEALANT WAS USED TO FILL/SEAL THE CRACKS. INCREASED VACUUM WAS IMMEDIATELY									
		OBSERVED AT EP-K17 (INCREASE OF 1.5 INCHES W.C.)									
		NO FURTHER HISSING HAS BEEN OBSERVED									
2/25/2016	2487	WC-650 - Chiller	Review Operating	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	-28	
		Log Chiller									
	Notes:	COMPLETED BY TRANE									
2/25/2016	2488	WC-650 - Chiller	Measure and Log	P	0.00	\$0.00	\$0.00	\$0.00	\$0.00	-28	
		subcooling and super									
		heat - Chiller									
	Notes:	COMPLETED BY TRANE									
2/28/2016	2692	Roof - Header	Quarterly Roof	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00	17	
		Piping on Roof	Inspection								
	Notes:	Via Drone									
		Company: Sky View									
		Cost \$300 plus tax									
		Photolog and 4k Video Inspection will be Provided									

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 8 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to Hours	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
2/29/2016	2455	Moisture Separator	Moisture Extraction	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00		7
		- Influent air/wate Pit Inspection seperator									
		Notes: DUSTIN GAGLIANO ACTED AS ATTENDANT NO SIGNS OF CRACKS, LEAKS, OR OTHER DAMAGE									
2/29/2016	2454	Fall safety system - Lanyard, Yoyo, al Inspection Harness	Fall Protection	P	0.25	\$0.00	\$0.00	\$0.00	\$0.00		7
		Notes:									
2/29/2016	2467	P-600B - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00		-1
		Operation while Chiller Offline									
		Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 07:30 PI-603 - 27 PSI TI-604 - 88* F TI-605 - 86* F PI-606 - 17 PSI SWITCHED TO PUMP 600B AT 08:00 SYSTEM OFF AT 08:30 PUMP OPERATION NORMAL									
2/29/2016	2465	P-600A - Chiller Pump	Weekly Maintenance	P	0.50	\$0.00	\$0.00	\$0.00	\$0.00		-1
		Operation while Chiller Offline									
		Notes: WEEKLY PUMP EXERCISE STARTED PUMP 600A AT 07:30 PI-603 - 27 PSI TI-604 - 88* F TI-605 - 86* F PI-606 - 17 PSI SWITCHED TO PUMP 600B AT 08:00 SYSTEM OFF AT 08:30 PUMP OPERATION NORMAL									

Summary

Total # of WO's	37	Total Labor Cost	\$0.00
Total Hours	18.40	Total Inventory Cost	\$0.00

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 9 of 10

Table 4: Work Order History by Date with WO Notes
2/1/2016 to 2/29/2016

Date Complete	WO#	Equipment	Task Description	Labor Type*	Inventory Assigned to	Misc. Hours	Cost	Lag Cost	Cost	Total Cost	Time**
Average Lag Time		3.29	Total Misc Cost				\$0.00				
			Total Cost				\$0.00				

* WO Types C-Corrective P-Preventative S-Skipped

** Lag Time is defined as the Date Complete - the Date Due

03/09/2016 11:35 AM

Page 10 of 10

Table 5: Results of DPMs - Average Readings
Former Unisys Facility, Lake Success, NY

SS-Point	Differential Pressure (In.WC.)	SS-Point	Differential Pressure (In.WC.)
SS-NYTM-2	-0.01603	SS-G16	NM
SS-NYTM-3	-0.0277	SS-G19	-0.02396
SS-2	-0.06566	SS-H09.5	-1.30281
SS-3	-0.00597	SVV-H10	-0.42755
SS-4	NM	SS-H10.5	-0.6063
SS-15	-0.16216	SS-I1	0.013123
SS-20	-0.13422	SS-I3	-0.16025
SS-23R	-0.00672	SS-I7	-0.1886
SS-33	-0.20265	SS-I9	-0.18268
SS-36	-0.15944	SS-I11	-0.54292
SS-37	-0.00539	SS-I13	-0.35684
SS-38	-0.16352	SS-I15	-0.3119
SS-41	-0.08085	SS-J9	-0.37569
SS-A1	0.016619	SS-J11	-0.33571
SS-A3	-0.05248	SS-J19	NM
SS-A7	-0.0365	SS-K4	-0.15043
SS-A9	-0.00896	SS-K6	-0.22085
SS-A11	NM	SS-K8	-0.35839
SS-A15	-0.03347	SS-K10	-0.05842
SS-A17	-0.02667	SS-K12	-0.06035
SS-A19	-0.00535	SS-K14	-0.43157
SS-C1	-0.02056	SS-K16	-0.28424
SS-C4	-0.14494	SS-K19	-0.0081
SS-C6	-0.0559	SS-M1	-0.02885
SS-C8	-0.01941	SS-M3	-0.14067
SS-C10	-0.16341	SS-M5	-0.00738
SS-C12	-0.23201	SS-M7	-0.03686
SS-C14	-0.17762	SS-M11	-0.06372
SS-C16	-0.14956	SS-M13	-0.26739
SS-C18	-0.07397	SS-M15	-0.29314
SS-E2	-0.05015	SS-M17	-0.08117
SS-E3.3	-0.21988	SS-M19	-0.0205
SS-E5	-0.07913	SS-N9	-0.20232
SS-E7	-0.1055	SS-O6	-0.0838
SS-E9	-0.09389	SS-O8	-0.10824
SS-E11	-0.13356	SS-O10	-0.05707
SS-E13	-0.16593	SS-O12	-0.05171
SS-E15	-0.33727	SS-O14	-0.06307
SS-E17	-0.04902	SS-O16	-0.042
SS-E19	-0.02102	SS-O18	-0.11724
SS-F1.5	-0.02621	SS-P3	-0.0283
SS-F12	-0.21033	SS-P15	-0.05804
SS-F18	-0.0986	SS-Q1	0.005161
SS-G4	-0.21104	SS-Q3.5	-0.32716
SS-G6	-0.05813	SS-Q5	-0.01341
SS-G8	-0.21247	SS-Q7	-0.03073
SS-G9	-0.46662	SS-Q9	-0.00642
SS-G09.5	-1.85532	SS-Q11	-0.01257
SS-G10	-0.43302	SS-Q17	-0.02576
SVV-G10.5	-0.42351	SS-Q19	-0.09860
SS-G12	-0.15895		
SS-G14	-0.07621		

Legends:

SS: Sub-slab Monitoring Point
in.WC: Inches of water column
DPMs: Differential Pressure Measurements
NM- Did not monitor.

Note:

SS-A11 was not monitored during this Reporting period because it was temporarily inaccessible; pallets and office dividers were stored on top of SS-A11.
SS-4 and SS-J19 were not monitored during this Reporting period because they were damaged and not usable.
Point did not measure at least -0.004 in. WC of differential pressure

**Table 6: Analytical Results of VPGAC Sampling
Former Unisys Facility, Lake Success, New York**

Client ID	V718-012916			V736-012916			V734-012916		
Lab Sample ID	200-31801-3			200-31801-1			200-31801-2		
Sampling Date	01/29/2016 09:04:00			01/29/2016 08:55:00			01/29/2016 09:00:00		
Matrix	Air			Air			Air		
Dilution Factor	1			1			1		
Unit	ug/m3			ug/m3			ug/m3		
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15									
1,1,1-Trichloroethane	1.1	U	0.25	1.1	U	0.25	1.1	U	0.25
1,1,2,2-Tetrachloroethane	1.4	U	0.30	3.6		0.30	1.4	U	0.30
1,1,2-Trichloroethane	1.1	U	0.21	1.1	U	0.21	1.1	U	0.21
1,1-Dichloroethane	0.81	U	0.10	0.81	U	0.10	0.81	U	0.10
1,1-Dichloroethene	0.79	U	0.14	0.79	U	0.14	0.79	U	0.14
1,2,4-Trichlorobenzene	3.7	U	0.50	3.7	U	0.50	3.7	U	0.50
1,2,4-Trimethylbenzene	1.0		0.21	1.0		0.21	1.4		0.21
1,2-Dibromoethane	1.5	U	0.30	1.5	U	0.30	1.5	U	0.30
1,2-Dichlorobenzene	1.2	U	0.33	1.2	U	0.33	1.2	U	0.33
1,2-Dichloroethane	0.81	U	0.17	0.81	U	0.17	0.81	U	0.17
1,2-Dichloroethene, Total	2.0		0.14	2.5		0.14	2.3		0.14
1,2-Dichloropropane	0.92	U	0.12	0.92	U	0.12	0.92	U	0.12
1,2-Dichlorotetrafluoroethane	1.4	U	0.27	1.4	U	0.27	1.4	U	0.27
1,3,5-Trimethylbenzene	0.98	U	0.19	0.98	U	0.19	0.98	U	0.19
1,3-Butadiene	0.44	U	0.20	0.44	U	0.20	0.44	U	0.20
1,3-Dichlorobenzene	1.2	U	0.33	1.2	U	0.33	1.2	U	0.33
1,4-Dichlorobenzene	1.2	U	0.34	1.2	U	0.34	1.2	U	0.34
1,4-Dioxane	18	U	2.0	18	U	2.0	18	U	2.0
3-Chloropropene	1.6	U	0.21	1.6	U	0.21	1.6	U	0.21
4-Ethyltoluene	0.98	U	0.22	0.98	U	0.22	0.98	U	0.22
Acetone	33		2.0	14		2.0	17		2.0
Benzene	1.2		0.13	0.64	U	0.13	0.64		0.13
Bromodichloromethane	1.3	U	0.20	1.3	U	0.20	1.3	U	0.20
Bromoform	2.1	U	0.58	2.1	U	0.58	2.1	U	0.58
Bromomethane	0.78	U	0.22	0.78	U	0.22	0.78	U	0.22
Carbon disulfide	1.6	U	0.13	1.6	U	0.13	1.6	U	0.13
Carbon tetrachloride	1.3	U	0.20	1.3	U	0.20	1.3	U	0.20
Chlorobenzene	0.92	U	0.23	0.92	U	0.23	0.92	U	0.23
Chloroethane	1.3	U	0.22	1.3	U	0.22	1.3	U	0.22
Chloroform	0.98	U	0.40	1.4		0.40	0.98	U	0.40
Chloromethane	1.0	U	0.19	1.0	U	0.19	1.0	U	0.19
cis-1,2-Dichloroethene	2.0		0.14	2.6		0.14	2.3		0.14
cis-1,3-Dichloropropene	0.91	U	0.10	0.91	U	0.10	0.91	U	0.10
Cumene	0.98	U	0.15	0.98	U	0.15	0.98	U	0.15
Cyclohexane	0.69		0.13	0.69	U	0.13	0.69	U	0.13
Dibromochloromethane	1.7	U	0.37	1.7	U	0.37	1.7	U	0.37
Dichlorodifluoromethane	2.5	U	0.40	2.5	U	0.40	2.5	U	0.40
Ethylbenzene	1.1		0.14	0.87	U	0.14	0.87	U	0.14
Freon 22	22		0.20	20		0.20	21		0.20
Freon TF	6.7		0.57	3.4		0.57	1.5	U	0.57
Hexachlorobutadiene	2.1	U	0.87	2.1	U	0.87	2.1	U	0.87
Isopropyl alcohol	46		2.4	24		2.4	18		2.4
m,p-Xylene	4.0		0.31	2.2	U	0.31	3.3		0.31
Methyl Butyl Ketone (2-Hexanone)	2.0	U	0.23	3.3		0.23	2.0	U	0.23
Methyl Ethyl Ketone	14		0.15	6.1		0.15	3.5		0.15
methyl isobutyl ketone	2.0	U	0.20	2.0	U	0.20	2.0	U	0.20
Methyl tert-butyl ether	0.72	U	0.32	0.72	U	0.32	0.72	U	0.32
Methylene Chloride	1.7		0.63	2.2		0.63	2.5		0.63
n-Hexane	0.81		0.19	0.70	U	0.19	0.70	U	0.19
Styrene	0.85	U	0.18	0.85	U	0.18	0.85	U	0.18

**Table 6: Analytical Results of VPGAC Sampling
Former Unisys Facility, Lake Success, New York**

Client ID	V718-012916			V736-012916			V734-012916		
Lab Sample ID	200-31801-3			200-31801-1			200-31801-2		
Sampling Date	01/29/2016 09:04:00			01/29/2016 08:55:00			01/29/2016 09:00:00		
Matrix	Air			Air			Air		
Dilution Factor	1			1			1		
Unit	ug/m3			ug/m3			ug/m3		
AIR - GC/MS VOA-TO-15-UG/M3	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Tetrachloroethene	8.5		0.16	1.4	U	0.16	1.4	U	0.16
Toluene	12		0.35	13		0.35	3.0		0.35
trans-1,2-Dichloroethene	0.79	U	0.17	0.79	U	0.17	0.79	U	0.17
trans-1,3-Dichloropropene	0.91	U	0.15	0.91	U	0.15	0.91	U	0.15
Trichloroethene	190		0.21	46		0.21	1.3		0.21
Trichlorofluoromethane	1.3		0.21	1.5		0.21	1.3		0.21
Vinyl chloride	0.51	U	0.082	0.51	U	0.082	0.51	U	0.082
Xylene (total)	5.4		0.16	3.0	U	0.16	4.4		0.16
Xylene, o-	1.4		0.16	0.87	U	0.16	1.2		0.16
TOTAL VOC	354.8			144.6			77.54		
PCE Removal Efficiency^a				91.8			91.8		
TCE Removal Efficiency^a				75.8%			99%		
AIR TICS BY TO-15									
Methyl Acetate TIC	4.9		07:18	3.0	U	07:18	3.0	U	07:18
FE TIC	4.8	U	Err	4.8	U	Err	4.8	U	Err
fluoroethane TIC	2.7	U	Err	2.7	U	Err	2.7	U	Err
Freon 115 TIC	6.3	U	Err	6.3	U	Err	6.3	U	Err
Freon 123 TIC	6.3	U	Err	6.3	U	Err	6.3	U	Err
Ethyl cyclohexane TIC	4.0	U	Err	4.0	U	Err	4.0	U	Err
propane, 1,2-dibromo-3-chloro- TIC	9.7	U	Err	9.7	U	Err	9.7	U	Err

Legends:

VOC: Volatile Organic Compounds

µg/m³: microgram per cubic meter

MRL: Method Reporting Limit

ND: Compound was analyzed for, but not detected above the laboratory reporting limit.

U : Indicates the analyte was analyzed for but not detected.

Note:

^a: Removal Efficiency = [(Influent - Intermediate or Effluent Concentration)/Influent Concentration]*100

**Table 7: Cumulative VOC Mass Removal
Fomer Unisys Facility, Lake Success, New York**

Date	Influent VOC Concentration^(a) ($\mu\text{g}/\text{m}^3$)	Average Flow Rate (scfm)	SSDS Run Time (hrs)	Daily Mass Removed^(b) (lbs)	Cummulative Mass Removed^(c) (lbs)
07/15/13	698	3,000	8.0	0.063	0.063
07/19/13	2,009	3,200	8.0	0.19	0.64
07/23/13	445	3,200	8.0	0.043	0.80
07/26/13	1,306	3,700	8.0	0.14	1.1
07/31/13	27,919	3,300	16.5	5.7	13
08/05/13	696	3,350	24.0	0.21	25
08/08/13	1,259	3,200	24.0	0.36	26
08/12/13	1,100	3,300	24.0	0.33	27
08/16/13	1,009	3,500	24.0	0.32	28
08/20/13	832	3,500	24.0	0.26	29
08/23/13	960	3,500	24.0	0.30	30
08/28/13	919	3,800	24.0	0.31	32
09/03/13	934	3,800	24.0	0.32	34
09/05/13	985	3,750	24.0	0.33	34
10/24/13	957	3,850	24.0	0.33	45
01/21/14	445	3,750	24.0	0.15	67
04/21/14	416	4,300	24.0	0.15	80
07/23/14	675	3,500	24.0	0.21	95
08/28/14	661	3,150	24.0	0.19	100
10/02/14	545	3,150	24.0	0.15	110
11/03/14	262	3,150	24.0	0.076	120
01/21/15	455	3,268	24.0	0.13	130
04/21/15	548	3,955	24.0	0.19	140
07/16/15	635	3,672	24.0	0.21	160
10/28/15	306	3,594	24.0	0.10	181
01/29/16	355	3,891	24.0	0.12	192
Cumulative estimated VOC mass removed through 2/29/2016					192

Legends:

VOC: Volatile Organic Compounds

$\mu\text{g}/\text{m}^3$: micrograms per cubic meter

scfm: standard cubic feet per minute

SSDS: sub-slab depressurization system

hrs: hours

lbs: pounds

Notes:

^(a): Influent VOC is the total concentration of VOC detected in the influent sample on that day.

^(b): Daily Mass Removal Rate = (influent concentration) * (average flow rate) * (run time)

^(c): Sum of total mass removed since the SSDS Start-Up on 7/15/13.

* The total VOC mass removed between two sampling events was calculated using linear interpolation method.

Table 8: SSDS Effluent Air Emissions
Former Unisys Facility, Lake Success, New York

	Short-Term Concentrations			
	SGC ^a	Effluent (V734-071615) ^b		
Volatile Organic Compounds	(µg/m ³)	Result	Q	MDL
1,1,1-Trichloroethane	9000	1.1	U	0.25
1,1,2,2-Tetrachloroethane	NA	1.4	U	0.30
1,1,2-Trichloroethane	NA	1.1	U	0.21
1,1-Dichloroethane	NA	0.81	U	0.10
1,1-Dichloroethene	NA	0.79	U	0.14
1,2,4-Trichlorobenzene	3700	3.7	U	0.50
1,2,4-Trimethylbenzene	NA	1.4		0.21
1,2-Dibromoethane	NA	1.5	U	0.30
1,2-Dichlorobenzene	30000	1.2	U	0.33
1,2-Dichloroethane	NA	0.81	U	0.17
1,2-Dichloroethene, Total	NA	2.3		0.14
1,2-Dichloropropane	NA	0.92	U	0.12
1,2-Dichlorotetrafluoroethane	NA	1.4	U	0.27
1,3,5-Trimethylbenzene	NA	0.98	U	0.19
1,3-Butadiene	NA	0.44	U	0.20
1,3-Dichlorobenzene	NA	1.2	U	0.33
1,4-Dichlorobenzene	NA	1.2	U	0.34
1,4-Dioxane	3000	18	U	2.0
3-Chloropropene	NA	1.6	U	0.21
4-Ethyltoluene	NA	0.98	U	0.22
Acetone	180000	17		2.0
Benzene	1300	0.64		0.13
Bromodichloromethane	NA	1.3	U	0.20
Bromoform	NA	2.1	U	0.58
Bromomethane	3900	0.78	U	0.22
Carbon disulfide	6200	1.6	U	0.13
Carbon tetrachloride	1900	1.3	U	0.20
Chlorobenzene	NA	0.92	U	0.23
Chloroethane	NA	1.3	U	0.22
Chloroform	150	0.98	U	0.40
Chloromethane	22000	1.0	U	0.19
cis-1,2-Dichloroethene	NA	2.3		0.14
cis-1,3-Dichloropropene	NA	0.91	U	0.10
Cumene	NA	0.98	U	0.15
Cyclohexane	NA	0.69	U	0.13
Dibromochloromethane	NA	1.7	U	0.37
Dichlorodifluoromethane	NA	2.5	U	0.40
Ethylbenzene	54000	0.87	U	0.14
Freon 22	NA	21		0.20
Freon TF	NA	1.5	U	0.57
Hexachlorobutadiene	NA	2.1	U	0.87
Isopropyl alcohol	98000	18		2.4

**Table 8: SSDS Effluent Air Emissions
Former Unisys Facility, Lake Success, New York**

	Short-Term Concentrations			
	SGC ^a	Effluent (V734-071615) ^b		
Volatile Organic Compounds	(µg/m ³)	Result	Q	MDL
m,p-Xylene	4300	3.3		0.31
Methyl Butyl Ketone (2-Hexanone)	NA	2.0	U	0.23
Methyl Ethyl Ketone	13000	3.5		0.15
methyl isobutyl ketone	31000	2.0	U	0.20
Methyl tert-butyl ether	NA	0.72	U	0.32
Methylene Chloride	14000	2.5		0.63
n-Hexane	NA	0.70	U	0.19
Styrene	17000	0.85	U	0.18
Tetrachloroethene	1000	1.4	U	0.16
Toluene	37000	3.0		0.35
trans-1,2-Dichloroethene	NA	0.79	U	0.17
trans-1,3-Dichloropropene	NA	0.91	U	0.15
Trichloroethene	14000	1.3		0.21
Trichlorofluoromethane	9000	1.3		0.21
Vinyl chloride	180000	0.51	U	0.082
Xylene (total)	22000	4.4		0.16
Xylene, o-	22000	1.2		0.16

Legends:

µg/m³: microgram per cubic meter

SGC: Short-term (one hour) Guideline Concentrations

MRL: Method Reporting Limit

NYSDEC: New York State Department of Environmental Conservation

Notes:

Only detected volatile organic compounds are presented in this table.

28, 2014.

^b: VOC concentrations detected in the effluent sample on 7/16/15 are compared to the NYSDEC DAR -1 SGC values to assess effluent emission compliance.

Table 8: SSDS Effluent Air Emissions
Former Unisys Facility, Lake Success, New York

Volatile Organic Compounds	Annual Concentrations		
	AGC (ug/m ³) ^a	Annual Emission Concentrations (ug/m ³) ^b	Annual Cumulative Percent of Allowable Emissions through January 2016 (%) ^c
1,1,1-Trichloroethane	5,000	ND	N/A
1,1,2,2-Tetrachloroethane	16	ND	N/A
1,1,2-Trichloroethane	1.4	ND	N/A
1,1-Dichloroethane	0.63	0.00E+00	0.00
1,1-Dichloroethene	200	0.00E+00	0.00
1,1-Difluoroethane ^d	40,000	4.03E-03	0.00
1,2,4-Trichlorobenzene	NA	0.00	N/A
1,2,4-Trimethylbenzene	6	0.00	N/A
1,2-Dibromo-3-chloropropane ^d	0.20	ND	N/A
1,2-Dibromoethane	0.0017	ND	N/A
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	17,000	ND	N/A
1,2-Dichlorobenzene	200	ND	N/A
1,2-Dichloroethane	0.038	0.00E+00	0.00
1,2-Dichloropropane	4	ND	N/A
1,3,5-Trimethylbenzene	6	ND	N/A
1,3-Butadiene	0.033	ND	N/A
1,3-Dichlorobenzene	10	ND	N/A
1,4-Dichlorobenzene	0.09	0.00E+00	0.00
1,4-Dioxane	0.20	ND	N/A
2,2-Dichloro-1,1,1-trifluoroethane (CFC123)	NA	ND	N/A
2-Butanone (MEK)	5,000	5.78E-04	0.00
2-Hexanone	30	ND	N/A
2-Propanol (Isopropyl Alcohol)	7,000	0.00E+00	0.00
3-Chloro-1-propene (Allyl Chloride)	1	ND	N/A
4-Ethyltoluene	NA	ND	N/A
4-Methyl-2-pentanone ^d	3,000	ND	N/A
Acetone	30,000	1.09E-03	0.00
Acetonitrile ^d	60	ND	N/A
Acrolein ^d	0.35	ND	N/A
Acrylonitrile ^d	0.015	ND	N/A
alpha-Pinene ^d	270	ND	N/A
Benzene	0.13	4.12E-05	0.03
Benzyl Chloride ^d	0.020	ND	N/A
Bromodichloromethane	70	ND	N/A
Bromoform	0.91	ND	N/A
Bromomethane	5	ND	N/A
Carbon Disulfide	700	ND	N/A
Carbon Tetrachloride	0.17	ND	N/A
Chlorobenzene	60	ND	N/A
Chlorodifluoromethane (CFC 22)	50,000	6.20E-03	0.00
Chloroethane	10,000	ND	N/A
Chloroform	14.7	0.00E+00	0.00
Chloromethane	90	ND	N/A
cis-1,2-Dichloroethene	63	3.60E-04	0.00
cis-1,3-Dichloropropene	NA	ND	N/A
Cumene	400	ND	N/A
Cyclohexane	6,000	ND	N/A
Dibromochloromethane	NA	ND	N/A
Dichlorodifluoromethane (CFC 12)	12,000	0.00E+00	0.00

**Table 8: SSDS Effluent Air Emissions
Former Unisys Facility, Lake Success, New York**

Volatile Organic Compounds	Annual Concentrations		
	AGC (ug/m ³) ^a	Annual Emission Concentrations (ug/m ³) ^b	Annual Cumulative Percent of Allowable Emissions through January 2016 (%) ^c
d-Limonene ^d	NA	0.00E+00	N/A
Ethanol ^d	45,000	0.00E+00	0.00
Ethyl Acetate ^d	3,400	0.00E+00	0.00
Ethylbenzene	1,000	ND	N/A
Hexachlorobutadiene ^d	0.045	ND	N/A
m,p-Xylenes	100	2.12E-04	0.00
Methyl Methacrylate	700	ND	N/A
Methyl tert-Butyl Ether	4	ND	N/A
Methylene Chloride	60	3.28E-04	0.00
Naphthalene ^d	3	0.00E+00	0.00
n-Butyl Acetate	17,000	ND	N/A
n-Heptane ^d	3,900	0.00E+00	0.00
n-Hexane ^d	700	0.00E+00	0.00
n-Nonane ^d	25,000	ND	N/A
n-Octane ^d	3,300	0.00E+00	0.00
n-Propylbenzene ^d	1,000	ND	N/A
o-Xylene ^d	100	0.00E+00	0.00
Propene ^d	3,000	0.00E+00	0.00
Styrene	1,000	ND	N/A
Tetrachloroethene (PCE)	4	ND	N/A
Tetrahydrofuran (THF) ^d	350	ND	N/A
Toluene	5,000	3.96E-04	0.00
trans-1,2-Dichloroethene	63	ND	N/A
trans-1,3-Dichloropropene	NA	ND	N/A
Trichloroethene (TCE)	0.2	1.89E-04	0.09
Trichlorofluoromethane	5,000	1.98E-04	0.00
Trichlorotrifluoroethane ^d	180,000	ND	N/A
Vinyl Acetate ^d	200	ND	N/A
Vinyl Chloride	0.068	ND	N/A

Legends:

µg/m³: microgram per cubic meter

AGC: Annual Guideline Concentrations

NYSDEC: New York State Department of Environmental Conservation

N/A: Not Applicable

ND: Not Detected

Notes:

^a: Compound-specific AGC values are based on the AGC/SGC tables listed in the NYSDEC DAR-1 dated February 28, 2014.

^b: Annual emission concentrations are calculated using the Standard Point Source Method - Reference: NYSDEC (2014). "Standard Point Source Method," Policy DAR-1: Guidelines for the Control of Toxic Ambient Air Contaminants dated November 12, 1997.

^c: Percent of allowable emissions for a given compound is the ratio of the actual annual emissions from the SSDS to the maximum annual emissions calculated by following procedures described in the NYSDEC DAR-1. Values shown represent annual emissions from September 1, 2015 to August 31, 2016.

Percentages greater than 100% indicate an exceedance of the maximum annual emission.

d: Not analyzed during the fourth quarter sampling event; ARCADIS List of Site Specific VOCs for USEPA TO-15 was used

APPENDIX A—DAILY OPERATION AND MAINTENANCE LOG (DECEMBER 2015-FEBRUARY 2016)

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

Date:	Emergency Fuel %	Chiller Refrigerant leak	KW Hours	Number of Extraction Wells Online	Carbon Runtime	FIT 107- Pre blower	Anemo meter V-719	PLC Flow	PIT 105A (Main extraction line, pre blower)	PI-105B	TIT 108 (Main extraction line Pre Blower)	TIT 601- (Blower Discharge Pre Heat X)	TI-602 (Blower Discharge Pre Heat X)	TIT-701 (Blower Discharge Post Heat X)	TI-604 (Inlet to Chiller)	TI-605 (Chiller Discharge)	B-200 Configur ation
	%	(PPM)			Hours	SCFM		SCFM	Pressure "WC	Pressure "WC	Temp C	Temp C	Temp C	Temp C	Temp C	Temp C	
12/1/2015	75	0	1,405,022	62	19,880	3868		3947	-65.84	-65.98	68	112	117	111	N/A	N/A	Lag1
12/2/2015	75	0	1,406,335	62	19,903	3948		3957	-65.92	-65.97	63	107	118	64.81	68	63	Lag1
12/3/2015	75	0	1,407,613	62	19,924	3978		3901	-65.93	-65.95	64	109	120	108	N/A	N/A	Lag1
12/4/2015	75	0	1,409,215	62	19,950	3774		3786	-65.94	-65.99	73	115	115	114	N/A	N/A	Lag1
12/5/2015																	
12/6/2015																	
12/7/2015	75	0	1,414,212	62	20,021	3745		3812	-65.95	-66.01	76	119	120	118	N/A	N/A	Lag1
12/8/2015	74	0	1,415,822	62	20,044	3729		3875	-65.92	-65.94	77	119	120	118	N/A	N/A	Lag1
12/9/2015	74	0	1,417,549	62	20,067	3914		3977	-66.00	-66.04	76	119	120	70	70	64	Lag1
12/10/2015	74	0	1,419,102	62	20,091	3934		3905	-65.98	-66.04	64	108	109	107	N/A	N/A	Lag1
12/11/2015	74	0	1,420,504	62	20,114	3850		3930	-65.98	-66.03	64	107	109	107	N/A	N/A	Lag1
12/12/2015																	
12/13/2015																	
12/14/2015	74	0	1,424,870	62	20,185	3933		3947	-65.89	-65.91	65	109	111	108	N/A	N/A	Lag1
12/15/2015	74	0	1,426,360	62	20,209	3978		3939	-65.98	-66.03	67	112	113	111	N/A	N/A	Lag1
12/16/2015	74	0	1,427,686	62	20,230	3733		3792	-65.93	-65.96	64	107	109	76	78	68	Lag1
12/17/2015	74	0	1,429,139	62	20,254	3844		3788	-65.93	-65.95	64	108	109	107	N/A	N/A	Lag1
12/18/2015	74	0	1,430,721	62	20,280	3782		3852	-65.92	-65.98	64	108	110	107	N/A	N/A	Lag1
12/19/2015																	
12/20/2015																	
12/21/2015	74	0	1,436,411	62	20,349	3902		3945	-65.91	-65.96	76	119	121	118	N/A	N/A	Lag1
12/22/2015	74	0	1,437,795	62	20,372	3895		3892	-65.93	-65.99	64	108	110	108	N/A	N/A	Lag1
12/22/2015	74	0	1,439,158	62	20,394	3885		3910	-65.87	-65.93	64	108	110	70	68	62	Lag1
12/24/2015	74	0	1,440,646	62	20,418	3840		3923	-65.93	-65.98	66	110	112	110	N/A	N/A	Lag1
12/25/2015																	
12/26/2015																	
12/27/2015																	
12/28/2015	74	0	1,446,511	62	20,513	3931		3937	-65.98	-66.05	75	118	119	117	N/A	N/A	Lag1
12/29/2015	74	0	1,448,516	62	20,536	3853		3944	-65.94	-65.96	76	118	120	118	N/A	N/A	Lag1
12/30/2015	74	0	1,450,595	62	20,560	3924		3941	-65.88	-65.96	77	119	121	68	68	64	Lag1
12/31/2015	74	0	1,452,240	62	20,584	3844		3879	-66.01	-66.06	63	106	108	106	N/A	N/A	Lag1

Appendix A: Daily Operation and Maintenance Log December 2015-February 2016

Date:	Emergency Fuel %	Chiller Refrigerant leak	KW Hours	Number of Extraction Wells Online	Carbon Runtime	FIT 107- Pre blower	Anemo meter V-719	PLC Flow	PIT 105A (Main extraction line, pre blower)	PI-105B	TIT 108 (Main extraction line Pre Blower)	TIT 601- (Blower Discharge Pre Heat X)	TI-602 (Blower Discharge Pre Heat X)	TIT-701 (Blower Discharge Post Heat X)	TI-604 (Inlet to Chiller)	TI-605 (Chiller Discharge)	B-200 Configur ation
1/1/2016																	
1/2/2016																	
1/3/2016																	
1/4/2016	74	0	1,459,580	62	20,676	3883		3919	-65.99	-66.03	74	117	119	117	N/A	N/A	Lag1
1/5/2016	74	0	1,461,601	62	20,699	3888		3903	-65.93	-65.99	68	110	112	110	N/A	N/A	Lag1
1/6/2016	74	0	1,463,726	62	20,724	3857		3923	-65.98	-65.96	73	115	116	72	70	64	SB
1/7/2016	74	0	1,465,668	62	20,747	3863		3914	-65.87	-65.89	74	118	120	118	N/A	N/A	SB
1/8/2016	74	0	1,467,506	62	20,770	3891		3909	-65.97	-66.01	75	119	121	118	N/A	N/A	SB
1/9/2016																	
1/10/2016																	
1/11/2016	74	0	1,472,670	62	20,840	3924		3816	-65.97	-66.02	74	118	120	118	N/A	N/A	SB
1/12/2016	73	0	1,475,211	62	20,869	3940		3922	-65.84	-65.95	76	120	122	119	N/A	N/A	SB
1/13/2016	73	0	1,476,722	62	20,888	3875		3909	-65.93	-66.02	72	116	118	69	70	64	SB
1/14/2016	73	0	1,478,774	62	20,911	3864		3872	-65.91	-65.96	72	117	120	116	N/A	N/A	SB
1/15/2016	73	0	1,481,049	62	20,934	3800		3859	-66.01	-66.02	75	120	122	119	N/A	N/A	SB
1/16/2016																	
1/17/2016																	
1/18/2016	73	0	1,486,324	62	21,006	3874		3855	-65.8	-65.9	71	115	118	115	N/A	N/A	SB
1/19/2016	72	0	1,488,623	62	21,033	3812		3860	-65.76	-65.93	71	115	116	114	N/A	N/A	SB
1/20/2016	72	0	1,490,001	62	21,052	3896		3953	-65.85	-65.96	72	116	118	81	70	68	SB
1/21/2016	72	0	1,491,950	62	21,075	3910		3865	-65.93	-65.95	73	117	119	116	N/A	N/A	SB
1/22/2016	72	0	1,494,043	62	21,099	3890		3910	-65.93	-65.97	72	115	117	115	N/A	N/A	SB
1/23/2016																	
1/24/2016																	
1/25/2016	72	0	1,500,100	62	21,169	3799		3905	-66.03	-66.06	72	116	118	116	N/A	N/A	SB
1/26/2016	70	0	1,502,117	62	21,192	3793		3804	-65.92	-66.14	75	118	120	118	N/A	N/A	SB
1/27/2016	70	0	1,503,596	62	21,215	3741		3795	-66.02	-66.15	60	105	107	72	70	64	SB
1/28/2016	70	0	1,505,727	62	21,241	3950		3934	-65.99	-66.00	74	119	122	119	N/A	N/A	SB
1/29/2016	70	0	1,507,385	62	21,261	3903		3952	-65.86	-65.89	75	120	122	120	N/A	N/A	SB
1/30/2016																	
1/31/2016																	

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

<u>Date:</u>	<u>Emergency Fuel %</u>	<u>Chiller Refrigerant leak</u>	<u>KW Hours</u>	<u>Number of Extraction Wells Online</u>	<u>Carbon Runtime</u>	<u>FIT 107- Pre blower</u>	<u>Anemo meter V-719</u>	<u>PLC Flow</u>	<u>PIT 105A (Main extraction line, pre blower)</u>	<u>PI-105B</u>	<u>TIT 108 (Main extraction line Pre Blower)</u>	<u>TIT 601- (Blower Discharge Pre Heat X)</u>	<u>TI-602 (Blower Discharge Pre Heat X)</u>	<u>TIT-701 (Blower Discharge Post Heat X)</u>	<u>TI-604 (Inlet to Chiller)</u>	<u>TI-605 (Chiller Discharge)</u>	<u>B-200 Configur ation</u>
2/1/2016	70	0	1,513,125	62	21,331	3804		3822	-65.85	-65.92	61	106	108	106	N/A	N/A	SB
2/2/2016	70	0	1,514,803	62	21,354	3808		3873	-65.96	-65.98	75	118	120	118	N/A	N/A	SB
2/3/2016	70	0	1,516,648	63	21,378	3855		3908	-65.93	-65.97	76	120	122	70	70	64	SB
2/4/2016	70	0	1,518,167	63	21,401	3700		3792	-65.91	65.83	63	108	120	108	N/A	N/A	
2/5/2016	70	0	1,520,034	63	21,426	3969		4012	-65.92	-66.09	74	118	120	118	N/A	N/A	SB
2/6/2016																	
2/7/2016																	
2/8/2016	70	0	1,526,178	63	21,495	3865		3941	-65.87	-65.97	74	118	120	118	N/A	N/A	SB
2/9/2016	69	0	1,528,284	63	21,518	3854		3925	-65.86	-65.94	73	117	120	117	N/A	N/A	SB
2/10/2016	69	0	1,530,440	63	21,542	3984		3952	-66.03	-66.03	74	119	122	72	72	64	SB
2/11/2016	69	0	1,532,643	63	21,565	3929		3934	-65.84	-65.92	70	115	118	115	N/A	N/A	SB
2/12/2016	69	0	1,534,929	63	21,589	3928		3865	-65.80	-66.03	69	113	118	113	N/A	N/A	SB
2/13/2016																	
2/14/2016																	
2/15/2016	69	0	1,541,246	63	21,658	3839		3920	-65.89	-65.98	68	111	113	111	N/A	N/A	SB
2/16/2016	68	0	1,543,547	63	21,685	3898		3975	-66.28	-66.36	60	105	118	105	N/A	N/A	SB
2/17/2016	68	0	1,545,162	63	21,706	3972		3981	-65.83	-66	72	117	120	116	72	66	SB
2/18/2016	68	0	1,547,517	63	21,731	3972		3954	65.81	-65.93	72	116	118	115	N/A	N/A	SB
2/19/2016	68	0	1,549,464	63	21,752	4013		4047	-65.88	-65.93	71	115	118	115	N/A	N/A	SB
2/20/2016																	
2/21/2016																	
2/22/2016	68	0	1,555,064	63	21,823	4177		4187	-65.89	-65.96	74	119	121	118	N/A	N/A	SB
2/23/2016	67	0	1,557,239	62	21,848	4094		4123	-65.94	-66.02	75	119	121	119	N/A	N/A	SB
2/24/2016	67	0	1,559,430	62	21,871	4229		4180	-65.92	-66.04	74	119	121	70	70	64	SB
2/25/2016	67	0	1,561,100	62	21,895	4193		4147	-65.95	-65.98	64	110	112	110	N/A	N/A	SB
2/26/2016	67	0	1,563,051	62	21,918	4204		4163	-65.95	-65.97	73	118	120	118	N/A	N/A	SB
2/27/2016																	
2/28/2016																	
2/29/2016	67	0	1,569,075	62	21,987	4093		4159	-66.01	-65.96	61	108	110	108	N/A	N/A	SB

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

Date:	B-200	B-200	B-200	B-200	B200	B-200	B-300	B-300	B-300	B-300	B-300	B-300	B-300	B-300	B-400	B-400	B-400	B-400	B-400	B-400
	Hours	Pressure	Vacuum	Temp C	Amps	% Speed		Hours	Pressure	Vacuum	Temp C	amps	% Speed		Hours	Pressure	Vacuum	Temp C	Amps	% Speed
12/1/2015	9608	0	-2	45	79.9	61	Lag2	10331	0	-1	25	0	0	Lead	9337	0	-2	45	79.6	61
12/2/2015	9629	0	-2	45	80.2	61	Lag2	10331	0	-1	26	0	0	Lead	9357	0	-2	45	79.7	61
12/3/2015	9650	0	-2	45	80.1	61	Lag2	10331	0	-1	25	0	0	Lead	9378	0	-2	45	79.6	61
12/4/2015	9675	0	-2	50	79.4	59	Lag2	10331	0	-1	30	0	0	Lead	9404	0	-2	50	79.1	59
12/5/2015																				
12/6/2015																				
12/7/2015	9746	0	-2	50	79.8	59	Lag2	10331	0	-2	30	0	0	Lead	9474	0	-2	50	79.1	59
12/8/2015	9770	0	-2	50	79.6	59	Lag2	10331	0	-1	30	0	0	Lead	9498	0	-2	50	79.1	59
12/9/2015	9792	0	-2	50	80.1	62	Lag2	10331	0	-1	30	0	0	Lead	9521	0	-2	50	79.7	62
12/10/2015	9817	0	-2	45	80.1	61	Lag2	10331	0	-1	30	0	0	Lead	9545	0	-2	45	79.5	61
12/11/2015	9839	0	-2	45	79.9	61	Lag2	10331	0	-2	30	0	0	Lead	9568	0	-2	45	79.5	61
12/12/2015																				
12/13/2015																				
12/14/2015	9910	0	-2	50	80.1	61	Lag2	10331	0	-1	30	0	0	Lead	9639	0	-2	50	79.5	61
12/15/2015	9934	0	-2	50	80.1	61	Lag2	10331	0	-2	30	0	0	Lead	9663	0	-2	50	79.5	61
12/16/2015	9956	0	-2	45	79.6	58	Lag2	10331	0	-2	30	0	0	Lead	9684	0	-2	45	79.3	58
12/17/2015	9980	0	-2	50	79.9	59	Lag2	10331	0	-2	30	0	0	Lead	9708	0	-2	50	79.4	59
12/18/2015	10006	0	-2	50	79.8	60	Lag2	10331	0	-2	30	0	0	Lead	9734	0	-2	50	79.6	60
12/19/2015																				
12/20/2015																				
12/21/2015	10075	0	-2	50	80.1	61	Lag2	10331	0	-1	30	0	0	Lead	9803	0	-2	50	79.8	61
12/22/2015	10097	0	-2	50	79.8	60	Lag2	10331	0	-1	30	0	0	Lead	9826	0	-2	50	79.8	60
12/22/2015	10121	0	-2	45	79.9	60	Lag2	10331	0	-1	30	0	0	Lead	9849	0	-2	45	79.7	60
12/24/2015	10144	0	-2	50	80	60	Lag2	10331	0	-1	40	0	0	Lead	9872	0	-2	45	79.8	60
12/25/2015																				
12/26/2015																				
12/27/2015																				
12/28/2015	10239	0	-2	50	79.9	61	Lag2	10331	0	-1	30	0	0	Lead	9967	0	-2	50	79.9	61
12/29/2015	10262	0	-2	50	80.0	61	Lag2	10331	0	-1	30	0	0	Lead	9990	0	-2	50	79.9	61
12/30/2015	10286	0	-2	50	80.1	61	Lag2	10331	0	-1	30	0	0	Lead	10014	0	-2	50	79.8	61
12/31/2015	10309	0	-2	45	79.8	60	Lag2	10331	0	-2	30	0	0	Lead	10037	0	-2	45	79.7	60

Appendix A: Daily Operation and Maintenance Log December 2015-February 2016

Date:	B-200	B-200	B-200	B-200	B200	B-200	B-300	B-300	B-300	B-300	B-300	B-300	B-300	B-400	B-400	B-400	B-400	B-400	B-400	B-400
1/1/2016																				
1/2/2016																				
1/3/2016																				
1/4/2016	10402	0	-2	50	80.1	61	Lag2	10331	0	-2	30	0	0	Lead	10130	0	-2	50	79.9	61
1/5/2016	10425	0	-2	45	79.8	60	Lag2	10331	0	-2	30	0	0	Lead	10153	0	-2	45	79.6	60
1/6/2016	10449	0	-2	45	0	0	Lead	10332	0	-2	50	81.6	60	Lag2	10177	0	-2	40	0	0
1/7/2016	10449	0	-2	35	0	0	Lead	10354	0	-2	50	80.8	60	Lag2	10177	0	-2	35	0	0
1/8/2016	10449	0	-2	35	0	0	Lead	10378	0	-2	52	80.7	61	Lag2	10177	0	-1	32	0	0
1/9/2016																				
1/10/2016																				
1/11/2016	10449	0	-2	30	0	0	Lead	10448	0	-2	50	80.7	61	Lag2	10177	0	-1	35	0	0
1/12/2016	10449	0	-2	35	0	0	Lead	10477	0	-2	52	80.9	61	Lag2	10177	0	-2	32	0	0
1/13/2016	10449	0	-2	30	0	0	Lead	10495	0	-2	50	80.7	61	Lag2	10177	0	-1	30	0	0
1/14/2016	10449	0	-2	30	0	0	Lead	10519	0	-2	50	80.5	61	Lag2	10177	0	-1	30	0	0
1/15/2016	10449	0	-2	30	0	0	Lead	10542	0	-2	50	80.7	61	Lag2	10171	0	-1	30	0	0
1/16/2016																				
1/17/2016																				
1/18/2016	10449	0	-2	30	0	0	Lead	10542	0	-2	50	80.5	61	Lag2	10177	0	-1	32	0	0
1/19/2016	10449	0	-2	30	0	0	Lead	10641	0	-2	50	80.8	60	Lag2	10177	0	-2	32	0	0
1/20/2016	10449	0	-1	30	0	0	Lead	10653	0	-2	50	80.7	61	Lag2	10177	0	-2	30	0	0
1/21/2016	10449	0	-1	30	0	0	Lead	10676	0	-2	50	80.3	60	Lag2	10177	0	-1	30	0	0
1/22/2016	10449	0	-1	30	0	0	Lead	10700	0	-2	50	80.5	60	Lag2	10177	0	-1	30	0	0
1/23/2016																				
1/24/2016																				
1/25/2016	10449	0	-2	30	0	0	Lead	10770	0	-2	50	80.7	61	Lag2	10177	0	-2	30	0	0
1/26/2016	10449	0	-2	30	0	0	Lead	10793	0	-2	50	80.4	59	Lag2	10177	0	-2	30	0	0
1/27/2016	10449	0	-2	30	0	0	Lead	10816	0	-2	50	80.2	58	Lag2	10177	0	-2	30	0	0
1/28/2016	10449	0	-2	30	0	0	Lead	10842	0	-2	50	80.9	62	Lag2	10177	0	-2	30	0	0
1/29/2016	10449	0	-2	30	0	0	Lead	10862	0	-2	50	80.7	62	Lag2	10177	0	-2	30	0	0
1/30/2016																				
1/31/2016																				

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

<u>Date:</u>	<u>B-200</u>	<u>B-200</u>	<u>B-200</u>	<u>B-200</u>	<u>B200</u>	<u>B-200</u>	<u>B-300</u>	<u>B-300</u>	<u>B-300</u>	<u>B-300</u>	<u>B-300</u>	<u>B-300</u>	<u>B-300</u>	<u>B-300</u>	<u>B-400</u>	<u>B-400</u>	<u>B-400</u>	<u>B-400</u>	<u>B-400</u>	<u>B-400</u>
2/1/2016	10449	0	-2	30	0	0	Lead	10932	0	-2	50	80.4	59	Lag2	10177	0	-2	30	0	0
2/2/2016	10449	0	-2	30	0	0	Lead	10955	0	-2	50	80.6	60	Lag2	10177	0	-2	30	0	0
2/3/2016	10449	0	-2	30	0	0	Lead	10978	0	-2	50	80.7	61	Lag2	10177	0	-2	30	0	0
2/4/2016	10449	0	-2	30	0	0	Lead	11007	0	-2	45	80.4	59	Lag2	10177	0	-2	30	0	0
2/5/2016	10449	0	-2	30	0	0	Lead	11026	0	-2	50	81.3	62	Lag2	10177	0	-2	30	0	0
2/6/2016																				
2/7/2016																				
2/8/2016	10449	0	-2	30	0	0	Lead	11096	0	-2	50	80.9	61	Lag2	10177	0	-2	30	0	0
2/9/2016	10449	0	-2	30	0	0	Lead	11119	0	-2	50	80.9	61	Lag2	10177	0	-2	30	0	0
2/10/2016	10449	0	-2	30	0	0	Lead	11142	0	-2	50	81.1	63	Lag2	10177	0	-2	30	0	0
2/11/2016	10449	0	-2	30	0	0	Lead	11166	0	-2	50	81.6	62	Lag2	10177	0	-2	30	0	0
2/12/2016	10449	0	-2	30	0	0	Lead	11190	0	-2	50	81.9	61	Lag2	10177	0	-2	30	0	0
2/13/2016																				
2/14/2016																				
2/15/2016	10449	0	-2	30	0	0	Lead	11259	0	-2	50	80.7	60	Lag2	10177	0	-2	30	0	0
2/16/2016	10449	0	-2	30	0	0	Lead	11286	0	-2	50	81.1	61	Lag2	10177	0	-2	30	0	0
2/17/2016	10449	0	-2	30	0	0	Lead	11307	0	-2	50	81.1	62	Lag2	10177	0	-2	30	0	0
2/18/2016	10449	0	-2	30	0	0	Lead	11332	0	-2	50	81.1	61	Lag2	10177	0	-2	30	0	0
2/19/2016	10449	0	-2	30	0	0	Lead	11353	0	-2	50	81.3	62	Lag2	10177	0	-2	30	0	0
2/20/2016																				
2/21/2016																				
2/22/2016	10449	0	-2	30	0	0	Lead	11423	0	-2	50	81.7	64	Lag2	10177	0	-2	30	0	0
2/23/2016	10449	0	-2	30	0	0	Lead	11449	0	-2	50	81.6	64	Lag2	10177	0	-2	30	0	0
2/24/2016	10449	0	-2	30	0	0	Lead	11472	0	-2	50	81.9	65	Lag2	10177	0	-2	30	0	0
2/25/2016	10449	0	-2	30	0	0	Lead	11495	0	-2	50	81.7	65	Lag2	10177	0	-2	30	0	0
2/26/2016	10449	0	-2	30	0	0	Lead	11518	0	-2	50	82.3	65	Lag2	10177	0	-2	30	0	0
2/27/2016																				
2/28/2016																				
2/29/2016	10449	0	-2	30	0	0	Lead	11588	0	-2	50	81.9	64	Lag2	10177	0	-2	30	0	0

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

<u>Date:</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>PIT-703</u> <u>(VPAC Inf)</u>	<u>PI-715</u> <u>(Inlet to</u> <u>T-750)</u>	<u>PI-716</u> <u>(Inlet to</u> <u>T-740)</u>	<u>PI-709</u> <u>(Discharg</u> <u>e to T-</u> <u>750)</u>	<u>PI-710</u> <u>(Discharg</u> <u>e to T-</u> <u>740)</u>	<u>PI-717</u> <u>(Discharg</u> <u>e to</u> <u>Atmosph</u> <u>ere)</u>	<u>PI-603</u> <u>(Chiller</u> <u>Pump</u> <u>Inlet)</u>	<u>PI-606</u> <u>(Chiller</u> <u>Pump</u> <u>Discharge</u> <u>)</u>
		<u>Hours</u>	<u>Pressure</u>	<u>Vacuum</u>	<u>Temp C</u>	<u>Amps</u>	<u>% Speed</u>	<u>PSI</u>	<u>PSI</u>	<u>PSI</u>	<u>PSI</u>	<u>PSI</u>	<u>PSI</u>	<u>PSI</u>	<u>PSI</u>
12/1/2015	SB	10637	0	-1	25	0	0	0.07	0.5	0	0	0	0	N/A	N/A
12/2/2015	SB	10637	0	-1	26	0	0	0.07	0.5	0	0	0	0	68	63
12/3/2015	SB	10637	0	-1	25	0	0	0.05	0.5	0	0	0	0	N/A	N/A
12/4/2015	SB	10637	0	-1	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/5/2015															
12/6/2015															
12/7/2015	SB	10637	0	-2	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/8/2015	SB	10637	0	-1	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/9/2015	SB	10637	0	-1	30	0	0	0.07	0.5	0	0	0	0	26	16
12/10/2015	SB	10637	0	-1	30	0	0	0.07	0.5	0	0	0	0	N/A	N/A
12/11/2015	SB	10637	0	-2	30	0	0	0.07	0.5	0	0	0	0	N/A	N/A
12/12/2015															
12/13/2015															
12/14/2015	SB	10637	0	-1	30	0	0	0.07	0.5	0	0	0	0	N/A	N/A
12/15/2015	SB	10637	0	-2	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/16/2015	SB	10637	0	-2	30	0	0	0.06	0.5	0	0	0	0	26	16
12/17/2015	SB	10637	0	-2	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/18/2015	SB	10637	0	-2	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/19/2015															
12/20/2015															
12/21/2015	SB	10637	0	-1	30	0	0	0.07	0.5	0	0	0	0	N/A	N/A
12/22/2015	SB	10637	0	-1	30	0	0	0.07	0.5	0	0	0	0	N/A	N/A
12/22/2015	SB	10637	0	-1	30	0	0	0.06	0.5	0	0	0	0	26	16
12/24/2015	SB	10637	0	-2	40	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/25/2015															
12/26/2015															
12/27/2015															
12/28/2015	SB	10637	0	-1	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/29/2015	SB	10637	0	-1	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A
12/30/2015	SB	10637	0	-1	30	0	0	0.07	0.5	0	0	0	0	26	16
12/31/2015	SB	10637	0	-2	30	0	0	0.06	0.5	0	0	0	0	N/A	N/A

Appendix A: Daily Operation and Maintenance Log December 2015-February 2016

[illegible]

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

<u>Date:</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>B-500</u>	<u>PIT-703</u> <u>(VPAC Inf)</u>	<u>PI-715</u> <u>(Inlet to</u> <u>T-750)</u>	<u>PI-716</u> <u>(Inlet to</u> <u>T-740)</u>	<u>PI-709</u> <u>(Discharge to T-</u> <u>750)</u>	<u>PI-710</u> <u>(Discharge to T-</u> <u>740)</u>	<u>PI-717</u> <u>(Discharge to</u> <u>Atmosphere)</u>	<u>PI-603</u> <u>(Chiller Pump</u> <u>Inlet)</u>	<u>PI-606</u> <u>(Chiller Pump</u> <u>Discharge)</u>
2/1/2016	Lag1	11237	0	-2	50	80.1	60	0.06	0.5	0	0	0	0	N/A	N/A
2/2/2016	Lag1	11261	0	-2	50	80.2	60	0.06	0.5	0	0	0	0	N/A	N/A
2/3/2016	Lag1	11284	0	-2	50	80.1	61	0.06	0.5	0	0	0	0	26	17
2/4/2016	Lag1	11313	0	-2	48	80.1	59	0.06	0.5	0	0	0	0	N/A	N/A
2/5/2016	Lag1	11332	0	-2	50	80.5	63	0.07	0.5	0	0	0	0	N/A	N/A
2/6/2016															
2/7/2016															
2/8/2016	Lag1	11401	0	-2	50	80.2	62	0.07	0.5	0	0	0	0	N/A	N/A
2/9/2016	Lag1	11424	0	-2	50	80.2	62	0.07	0.5	0	0	0	0	N/A	N/A
2/10/2016	Lag1	11448	0	-2	50	80.4	63	0.07	0.5	0	0	0	0	26	17
2/11/2016	Lag1	11471	0	-2	50	80.3	62	0.07	0.5	0	0	0	0	N/A	N/A
2/12/2016	Lag1	11495	0	-2	50	80.4	61	0.07	0.5	0	0	0	0	N/A	N/A
2/13/2016															
2/14/2016															
2/15/2016	Lag1	11565	0	-2	50	80.2	60	0.06	0.5	0	0	0	0	N/A	N/A
2/16/2016	Lag1	11591	0	-2	50	80.3	62	0.06	0.5	0	0	0	0	N/A	N/A
2/17/2016	Lag1	11612	0	-2	50	80.4	63	0.07	0.5	0	0	0	0	25	17
2/18/2016	Lag1	11637	0	-2	50	80.5	62	0.06	0.5	0	0	0	0	N/A	N/A
2/19/2016	Lag1	11658	0	-2	50	80.4	63	0.07	0.5	0	0	0	0	N/A	N/A
2/20/2016															
2/21/2016															
2/22/2016	Lag1	11729	0	-2	50	81.3	65	0.08	0.5	0	0	0	0	N/A	N/A
2/23/2016	Lag1	11754	0	-2	50	81.2	64	0.08	0.5	0	0	0	0	N/A	N/A
2/24/2016	Lag1	11778	0	-2	50	81.6	66	0.08	0.5	0	0	0	0	26	17
2/25/2016	Lag1	11801	0	-2	50	80.9	65	0.08	0.5	0	0	0	0	N/A	N/A
2/26/2016	Lag1	11824	0	-2	50	80.9	66	0.08	0.5	0	0	0	0	N/A	N/A
2/27/2016															
2/28/2016															
2/29/2016	Lag1	11893	0	-2	50	81.2	65	0.08	0.5	0	0	0	0	N/A	N/A

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

<u>Date:</u>	<u>NOTES</u>
12/1/2015	WEEKLY EMERGENCY GENERATOR TEST RUN // GWTT CONTINUES INSTALLATION OF SVE H09 P SINCE MOBILAZATION NOVEMBER, 23
12/2/2015	MONTHLY INSPECTION OF EMERGENCY SHOWERS AND EYE WASH STATIONS // WEEKLY CHILLER TEST RUN / GWTT CONTINUES INSTALLATION OF SVE H09 P
12/3/2015	GWTT IS WORKING ON CORRECTIVE MAINTENANCE OF ACTUATORS AT G-17 AND G-18 // CARBON MONOXIDE DETECTOR TESTED // MAGNAHELIC READING FOR G-17 AND G-18 WAS 2" OF WC
12/4/2015	GENERAL SITE UPKEEP
12/5/2015	
12/6/2015	
12/7/2015	WEEKLY EXERCISE OF PUMPS 600A/600B
12/8/2015	WEEKLY EMERGENCY GENERATOR TEST RUN // ANNUAL ALARM TESTING FLOW DISCREPANCY ALARM AND ALL ALARMS FOR SVE-H-11P
12/9/2015	WEEKLY CHILLER TEST RUN
12/10/2015	MONTHLY EMERGENCY GENERATOR LOAD BANK TEST
12/11/2015	GENERAL SITE UPKEEP
12/12/2015	
12/13/2015	
12/14/2015	WEEKLY EXERCISE OF PUMPS 600A/600B
12/15/2015	WEEKLY EMERGENCY GENERATOR TEST RUN // CORRECTIVE MAINTENANCE (CALIBRATION) OF EP-C15
12/16/2015	WEEKLY CHILLER TEST RUN // CORRECTIVE MAINTENANCE EP-G17 AND EP-G18 (ACTUATOR VALVE REPLACED), EP-O17 (OUTPUT LOOP WIRE), EP-I16 (CALIBRATION)
12/17/2015	GENERAL SITE UPKEEP
12/18/2015	ANNUAL CHECK/CLEAN VFD AIR FILTERS B300/B500 // MONTHLY FIRE EXTINGUISHER INSPECTION
12/19/2015	
12/20/2015	
12/21/2015	WEEKLY EXERCISE OF PUMPS 600A/600B
12/22/2015	WEEKLY EMERGENCY GENERATOR TEST RUN // VANGUARD QUARTERLY FIRE PAC INSPECTION // MONTHLY EMERGENCY LIGHTS INSPECTION // EMERGENCY GENERATOR VISUAL INSPECTION OF GROUNDING CONNECTIONS
12/22/2015	WEEKLY CHILLER TEST RUN // INSPECTED FALL SAFETY EQUIPMENT // INSPECTED MOISTURE PIT
12/24/2015	MONTHLY CO DETECTOR TEST // EXTENSION CORD INSPECTION
12/25/2015	
12/26/2015	
12/27/2015	
12/28/2015	WEEKLY EXERCISE OF PUMPS 600A/600B
12/29/2015	WEEKLY EMERGENCY GENERATOR TEST RUN
12/30/2015	WEEKLY CHILLER TEST RUN // CORRECTIVE MAINTENANCE (CALIBRATION) OF EP-O17
12/31/2015	MONTHLY EMERGENCY SHOWER TEST/FLUSH // MONTHLY FACILITY INSPECTION // MONTHLY FIRST AID INSPECTION // MONTHLY EYE WASH STATION INSPECTION

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

<u>Date:</u>	<u>NOTES</u>
1/1/2016	
1/2/2016	
1/3/2016	
1/4/2016	GWTT RESUMED INSTALLATION OF NEW EP IN C4 SPACE // WEEKLY EXERCISE OF PUMPS 600A/600B
1/5/2016	WEEKLY EMERGENCY GENERATOR TEST RUN // CHECKED AIR FILTERS AND OIL FOR BLOWERS B300/B500 // CHECKED ROTORS AND BELTS FOR BLOWERS B300/B500
1/6/2016	ALTERNATED BLOWERS TO B300/B500/B400/B200(LEAD/LAG1/LAG2/STAND BY) // WEEKLY CHILLER TEST RUN // CONTINUED ANNUAL ALARM TESTING
1/7/2016	CHECKED/CLEANED VFD AIR FILTERS B200/B400
1/8/2016	GENERAL SITE UPKEEP // WEEKLY FACILITY INSPECTION // GWTT MOVED DRUMS FROM GARAGE TO TREATMENT ROOM BY LOADING BAY .
1/9/2016	
1/10/2016	
1/11/2016	WEEKLY EXERCISE OF PUMPS 600A/600B // CARBON PRESSURE MONITORING
1/12/2016	WEEKLY EMERGENCY GENERATOR TEST RUN
1/13/2016	WEEKLY CHILLER TEST RUN
1/14/2016	SYSTEMATIC ON SITE TO DAGNOSE POINTS EP-M12 AND EP - C15
1/15/2016	MONTHLY EMERGENCY GENERATOR LOAD BANK TEST // MONTHLY FIRE EXTINGUISHER INSPECTION
1/16/2016	
1/17/2016	
1/18/2016	WEEKLY EXERCISE OF PUMPS 600A/600B // CARBON MONOXIDE DETECTORS TESTED // QUARTERLY EXTENSION CORD INSPECTION // EYE WASH STATION AND EMERGENCY SHOWER TESTED
1/19/2016	WEEKLY EMERGENCY GENERATOR TEST RUN // MONTHLY EMERGENCY LIGHT TESTING // QUARTERLY HVAC INSPECTION AND MAINTENANCE // QUARTERLY WC-650 CHILLER INSPECTION AND MAINTENANCE // LA FITNESS SEMI-ANNUAL PASSIVE VENT INSPECTION AND MONITORING // GWTT INSTALLATION AND TIE-IN OF SVE H09 IN C4 SPACE
1/20/2016	WEEKLY CHILLER TEST RUN // INSPECTED FALL SAFETY EQUIPMENT // MONTHLY MOISTURE PIT INSPECTION
1/21/2016	GENERAL SITE UPKEEP
1/22/2016	WEEKLY FACILITY INSPECTION
1/23/2016	
1/24/2016	
1/25/2016	WEEKLY EXERCISE OF PUMPS 600A/600B // LEB ONSITE TO PERFORM ELECTRICAL WORK SPLITTING LIGHT PANEL // CORRECTIVE MAINTENANCE (CALIBRATION) OF EP-O17 WITH GWTT
1/26/2016	WEEKLY EMERGENCY GENERATOR TEST RUN // LEB CONTINUED WORK SPLITTING LIGHTING ON ELECTRICAL PANEL H2 // TETRA TECH INVESTIGATED SUB SLAB POINTS IN LA FITNESS
1/27/2016	WEEKLY CHILLER TEST RUN
1/28/2016	PLANNED SYSTEM SHUTDOWN TO TIE IN SVE-HO9P TO SCADA // TROUBLESHOOTING SVE-G11 AND RP-3 REGARDING ISSUES ARISING FROM ALTERING PLC CODE (RESOLVED)
1/29/2016	QUARTERLY CARBON BED VAPOR SAMPLING COMPLETED T-740/T-750 // SYSTEMATIC FINISHED REMOTELY TYING IN NEW POINT SVE-HO9P TO SCADA PLC
1/30/2016	
1/31/2016	

Appendix A: Daily Operation and Maintenance Log
December 2015-February 2016

<u>Date:</u>	<u>NOTES</u>
2/1/2016	WEEKLY EXERCISE OF PUMPS 600A/600B // GWTT CONTINUED TROUBLESHOOTING OF NEW POINT SVE-H09P
2/2/2016	WEEKLY EMERGENCY GENERATOR TEST RUN // SYSTEMATIC CONTINUED REMOTELY WORKING ON SCADA FOR HISTORICAL TRENDS FOR SVE-H09P
2/3/2016	WEEKLY CHILLER TEST RUN // STARTED STEP TESTING OF NEW POINT SVE-H09P (25% OPEN)
2/4/2016	EMERGENCY GENERATOR LOAD TEST // STEP TEST FOR SVE NEW POINT HO9P
2/5/2016	CONTINUED STEP TEST FOR NEW POINT SVE-H09P (100% OPEN)
2/6/2016	
2/7/2016	
2/8/2016	WEEKLY EXERCISE OF PUMPS 600A/600B // MONTHLY FIRE EXTINGUISHER INSPECTION
2/9/2016	WEEKLY EMERGENCY GENERATOR TEST RUN // CORRECTIVE MAINTENANCE- SYSTEMATIC CHANGED OUT FLOW METER AT EP-M12
2/10/2016	WEEKLY CHILLER TEST RUN
2/11/2016	WEEKLY HOUSEKEEPING
2/12/2016	GREASED MOTORS FOR BLOWERS B300/B500 WHILE ONLINE
2/13/2016	
2/14/2016	
2/15/2016	WEEKLY EXERCISE OF PUMPS 600A/600B
2/16/2016	WEEKLY EMERGENCY GENERATOR TEST RUN // MONTHLY FIRST AID INSPECTION // MONTHLY EMERGENCY SHOWER AND EYE WASH INSPECTION/FLUSH
2/17/2016	WEEKLY CHILLER TEST RUN
2/18/2016	CORRECTIVE MAINTENANCE OF EP-O17 FOLLOWING A NOISE COMPLAINT OF WHISTLING FROM POLAR WAREHOUSE
2/19/2016	ENCLOSURE DOOR FOR SVE-H09P COMPLETED AND KEYS TRANSFERRED TO SSDS CONTROL ROOM
2/20/2016	
2/21/2016	
2/22/2016	WEEKLY EXERCISE OF PUMPS 600A/600B
2/23/2016	WEEKLY EMERGENCY GENERATOR TEST RUN // MONTHLY LOOP INTEGRITY TEST // CORRECTIVE MAINTENANCE (TROUBLESHOOTING) EP-I06- DISCOVERED WATER BUILDUP
2/24/2016	WEEKLY CHILLER TEST RUN // MONTHLY CARBON MONOXIDE DETECTOR TEST // MONTHLY EMERGENCY LIGHTS INSPECTION // GPR INSPECTION COMPLETED AT LA FITNESS
2/25/2016	TRANE PERFORMED QUARTERLY AND SEMI-ANNUAL CHILLER MAINTENANCE // CORRECTIVE MAINTENANCE: EP-K17 APPLIED CONCRETE/MORTAR SEAL TO CONCRETE SLAB ADJACENT TO THE EXTRACTION POINT
2/26/2016	WEEKLY FACILITY INSPECTION
2/27/2016	FOUR (4) NEW SUB-SLAB POINTS INSTALLED AT LA FITNESS
2/28/2016	QUARTERLY ROOF INSPECTIONS COMPLETED BY DRONE COMPANY- SKY VIEW
2/29/2016	WEEKLY EXERCISE OF PUMPS 600A/600B // MONTHLY FALL SAFETY SYSTEM INSPECTION // MONTHLY MOISTURE PIT INSPECTION

APPENDIX B—VPGAC ANALYTICAL RESULTS AND DATA USABILITY REPORTS (JANUARY 2016)

**DATA USABILITY SUMMARY REPORT
SUB SLAB DEPRESSURIZATION SYSTEM (SSDS) PROJECT
LOCKHEED MARTIN CORPORATION: GREAT NECK SITE
NEW YORK**

DATE SAMPLES COLLECTED: JANUARY 29, 2016

LAB REPORT No. 200-31801-1

1.0 INTRODUCTION

Three air samples were collected by Tetra Tech, Inc., at the Lockheed Martin Corporation Great Neck site, for the Sub Slab Depressurization System (SSDS) project on January 29, 2016. The samples were sent to TestAmerica Laboratories, Inc., in Burlington, Vermont. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation review requirements were applied such that specifications of the method (TO-15) took precedence over the specifications of the outlined in the USEPA Region II Standard Operating Procedure (SOP) Low/Medium Volatile Data Validation, HW-33 Revision 3, (March 2013).

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- * ● Data completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- Initial/continuing calibrations
- * ● Laboratory Method and Trip Blank Results
- * ● Internal Standard Results
- * ● Laboratory Control Sample/Laboratory Control Sample Duplicate Results
- * ● Compound Identification/Quantitation
- * ● Tentatively Identified Compounds Results
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 200-31801-1

Sample ID	Lab ID	Date Collected	Test Requested
V736-012916	200-31801-1	1/29/16	VOCs
V734-012916	200-31801-2	1/29/16	VOCs
V718-012916	200-31801-3	1/29/16	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

With regard to the data package deliverables, the format requirements were met, and no further action was required from the laboratory.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- All project samples were properly preserved and analyzed within the required hold time for VOC analyses.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- The initial calibration performed on 1/21/2016 had percent Relative Standard Deviation (%RSD) which exceeded the 30% method quality control limit for trans-1,3-dichloropropene. The non-detected results reported for this compound in the affected samples were qualified as estimated "UJ".

- All initial and continuing calibration response factors and percent relative standard deviations were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set.

Internal Standards Area Performance:

- The internal standard area counts and retention times fell within control limits for the project samples received and reviewed.

Laboratory Control Spike Results:

- All results associated with all samples were within the quality control limits, verifying the overall accuracy.

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Tentatively Identified Compounds (TIC) Results: : A targeted TIC library search was conducted for each soil vapor sample for the following compounds that are not part of the EPA Method TO-15 compound list: 1,1-dichloro-2,2,2-trifluoroethane (Freon 123), 1,1-difluoroethane, 1,2-dibromo-3-chloropropane, chlorotrifluoroethene, methyl acetate, methyl cyclohexane, and pentafluoroethyl chloride (Freon 115).

- Aforementioned compounds were not detected in the targeted TIC library search in the reviewed samples. The laboratory assigned a Reporting Limit (RLs) of 1 ppb v/v (converted to $\mu\text{g}/\text{m}^3$). Because the GC/MS was not calibrated for these compounds, the RL is considered to be an estimated reporting limit. The non-detected results reported for these compounds were qualified as estimated, "UJ". The detected methyl acetate result in sample V718-012916 was qualified as presumptively present "NJ".

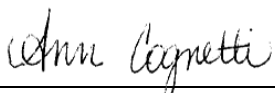
Detection Limits: Non-detected results were reported to reporting limits (RL).

- Detected result reported below the RL but above the MDL were qualified as estimated, "J".

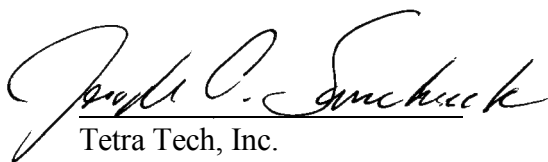
Additional Comments: All sample canisters contained an initial vacuum of approximately -30 psig and finished at sub atmospheric pressures. All canisters were cleaned by the laboratory prior to sampling. Clean canister certification was performed on each batch of canisters. One canister from each cleaning batch was selected, analyzed, and was certified clean. Each clean canister batch sample is considered representative of the entire batch. The cleaned canister batch samples did not contain any detected analytes.

4.0 CONCLUSIONS

Overall, based on the outcome of data validation and as summarized in the DUSR, the data quality is acceptable with the qualifiers noted in this report.



Tetra Tech, Inc.
Ann Cognetti
Chemist/Data Validator



Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

February 29, 2016

Attachments:

- Appendix A – Qualified Analytical Results
- Appendix B – Results as Reported by the Laboratory
- Appendix C – Support Documentation

Appendix A

Qualified Analytical Results

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times \text{IDL}$ for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate

PROJ_NO: 07791 SDG: 200-31801-1 FRACTION: OV MEDIA: AIR	NSAMPLE	V718-012916			V734-012916			V736-012916		
	LAB_ID	200-31801-3			200-31801-2			200-31801-1		
	SAMP_DATE	1/29/2016			1/29/2016			1/29/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.1	U		1.1	U		1.1	U	
1,1,2,2-TETRACHLOROETHANE		1.4	U		1.4	U		3.6		
1,1,2-TRICHLOROETHANE		1.1	U		1.1	U		1.1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		6.7			1.5	U		3.4		
1,1-DICHLOROETHANE		0.81	U		0.81	U		0.81	U	
1,1-DICHLOROETHENE		0.79	U		0.79	U		0.79	U	
1,2,4-TRICHLOROBENZENE		3.7	U		3.7	U		3.7	U	
1,2,4-TRIMETHYLBENZENE		1			1.4			1		
1,2-DIBROMOETHANE		1.5	U		1.5	U		1.5	U	
1,2-DICHLOROBENZENE		1.2	U		1.2	U		1.2	U	
1,2-DICHLOROETHANE		0.81	U		0.81	U		0.81	U	
1,2-DICHLOROPROPANE		0.92	U		0.92	U		0.92	U	
1,2-DICHLOROTETRAFLUOROETHANE		1.4	U		1.4	U		1.4	U	
1,3,5-TRIMETHYLBENZENE		0.98	U		0.98	U		0.98	U	
1,3-BUTADIENE		0.44	U		0.44	U		0.44	U	
1,3-DICHLOROBENZENE		1.2	U		1.2	U		1.2	U	
1,4-DICHLOROBENZENE		1.2	U		1.2	U		1.2	U	
1,4-DIOXANE		18	U		18	U		18	U	
1-ETHYL-4-METHYL BENZENE		0.98	U		0.98	U		0.98	U	
2-BUTANONE		14			3.5			6.1		
2-HEXANONE		2	U		2	U		3.3		
3-CHLOROPROPENE		1.6	U		1.6	U		1.6	U	
4-METHYL-2-PENTANONE		2	U		2	U		2	U	
ACETONE		33			17			14		
BENZENE		1.2			0.64			0.64	U	
BROMODICHLOROMETHANE		1.3	U		1.3	U		1.3	U	
BROMOFORM		2.1	U		2.1	U		2.1	U	
BROMOMETHANE		0.78	U		0.78	U		0.78	U	
CARBON DISULFIDE		1.6	U		1.6	U		1.6	U	
CARBON TETRACHLORIDE		1.3	U		1.3	U		1.3	U	
CHLOROBENZENE		0.92	U		0.92	U		0.92	U	
CHLORODIBROMOMETHANE		1.7	U		1.7	U		1.7	U	
CHLORODIFLUOROMETHANE		22			21			20		
CHLOROETHANE		1.3	U		1.3	U		1.3	U	
CHLOROFORM		0.98	U		0.98	U		1.4		

PROJ_NO: 07791 SDG: 200-31801-1 FRACTION: OV MEDIA: AIR	NSAMPLE	V718-012916			V734-012916			V736-012916		
	LAB_ID	200-31801-3			200-31801-2			200-31801-1		
	SAMP_DATE	1/29/2016			1/29/2016			1/29/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLOROMETHANE		1	U		1	U		1	U	
CIS-1,2-DICHLOROETHENE		2			2.3			2.6		
CIS-1,3-DICHLOROPROPENE		0.91	U		0.91	U		0.91	U	
CYCLOHEXANE		0.69			0.69	U		0.69	U	
DICHLORODIFLUOROMETHANE		2.5	U		2.5	U		2.5	U	
ETHYLBENZENE		1.1			0.87	U		0.87	U	
HEXACHLOROBUTADIENE		2.1	U		2.1	U		2.1	U	
HEXANE		0.81			0.7	U		0.7	U	
ISOPROPANOL		46			18			24		
ISOPROPYLBENZENE		0.98	U		0.98	U		0.98	U	
M+P-XYLENES		4			3.3			2.2	U	
METHYL TERT-BUTYL ETHER		0.72	U		0.72	U		0.72	U	
METHYLENE CHLORIDE		1.7			2.5			2.2		
O-XYLENE		1.4			1.2			0.87	U	
STYRENE		0.85	U		0.85	U		0.85	U	
TETRACHLOROETHENE		8.5			1.4	U		1.4	U	
TOLUENE		12			3			13		
TOTAL 1,2-DICHLOROETHENE		2			2.3			2.5		
TOTAL XYLENES		5.4			4.4			3	U	
TRANS-1,2-DICHLOROETHENE		0.79	U		0.79	U		0.79	U	
TRANS-1,3-DICHLOROPROPENE		0.91	UJ	C	0.91	UJ	C	0.91	UJ	C
TRICHLOROETHENE		190			1.3			46		
TRICHLOROFLUOROMETHANE		1.3			1.3			1.5		
VINYL CHLORIDE		0.51	U		0.51	U		0.51	U	

PROJ_NO: 07791 SDG: 200-31801-1 FRACTION: TICOV MEDIA: AIR	NSAMPLE	V718-012916			V734-012916			V736-012916		
	LAB_ID	200-31801-3			200-31801-2			200-31801-1		
	SAMP_DATE	1/29/2016			1/29/2016			1/29/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		6.3	UJ	Q	6.3	UJ	Q	6.3	UJ	Q
1,1-DIFLUOROETHANE		2.7	UJ	Q	2.7	UJ	Q	2.7	UJ	Q
1,2-DIBROMO-3-CHLOROPROPANE		9.7	UJ	Q	9.7	UJ	Q	9.7	UJ	Q
CHLOROTRIFLUOROETHENE		4.8	UJ	Q	4.8	UJ	Q	4.8	UJ	Q
METHYL ACETATE		4.9	NJ	Q	3	UJ	Q	3	UJ	Q
METHYL CYCLOHEXANE		4	UJ	Q	4	UJ	Q	4	UJ	Q
PENTAFLUOROETHYL CHLORIDE		6.3	UJ	Q	6.3	UJ	Q	6.3	UJ	Q

Appendix B

Results as Reported by the Laboratory

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
SDG No.: 200-31801-1
Client Sample ID: V736-012916 Lab Sample ID: 200-31801-1
Matrix: Air Lab File ID: 18130_25.D
Analysis Method: TO-15 Date Collected: 01/29/2016 08:55
Sample wt/vol: 200 (mL) Date Analyzed: 02/03/2016 08:02
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
75-45-6	Freon 22	86.47	20		1.8	
74-87-3	Chloromethane	50.49	1.0	U	1.0	
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	
74-83-9	Bromomethane	94.94	0.78	U	0.78	
75-00-3	Chloroethane	64.52	1.3	U	1.3	
75-69-4	Trichlorofluoromethane	137.37	1.5		1.1	
76-13-1	Freon TF	187.38	3.4		1.5	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
67-63-0	Isopropyl alcohol	60.10	24		12	
67-64-1	Acetone	58.08	14		12	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	2.2		1.7	
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	
110-54-3	n-Hexane	86.17	0.70	U	0.70	
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	
78-93-3	Methyl Ethyl Ketone	72.11	6.1		1.5	
156-59-2	cis-1,2-Dichloroethene	96.94	2.6		0.79	
540-59-0	1,2-Dichloroethene, Total	96.94	2.5		1.6	
67-66-3	Chloroform	119.38	1.4		0.98	
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	
110-82-7	Cyclohexane	84.16	0.69	U	0.69	
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	
71-43-2	Benzene	78.11	0.64	U	0.64	
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	
123-91-1	1,4-Dioxane	88.11	18	U	18	
79-01-6	Trichloroethene	131.39	46		1.1	
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Client Sample ID: V736-012916 Lab Sample ID: 200-31801-1
 Matrix: Air Lab File ID: 18130_25.D
 Analysis Method: TO-15 Date Collected: 01/29/2016 08:55
 Sample wt/vol: 200 (mL) Date Analyzed: 02/03/2016 08:02
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
108-88-3	Toluene	92.14	13		0.75	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	3.3		2.0	
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	
95-47-6	Xylene, o-	106.17	0.87	U	0.87	
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	
100-42-5	Styrene	104.15	0.85	U	0.85	
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	
75-25-2	Bromoform	252.75	2.1	U	2.1	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	
98-82-8	Cumene	120.19	0.98	U	0.98	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	3.6		1.4	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0		0.98	
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
SDG No.: 200-31801-1
Client Sample ID: V736-012916 Lab Sample ID: 200-31801-1
Matrix: Air Lab File ID: 18130_25.D
Analysis Method: TO-15 Date Collected: 01/29/2016 08:55
Sample wt/vol: 200 (mL) Date Analyzed: 02/03/2016 08:02
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Methyl Acetate TIC	7.30	3.0	U
75-37-6	Difluoroethane TIC		2.7	U
76-15-3	Freon 115 TIC		6.3	U
306-83-2	Freon 123 TIC		6.3	U
79-38-9	CTFE TIC		4.8	U
96-12-8	Propane, 1,2-dibromo-3-chloro- TIC		9.7	U
108-87-2	Methyl cyclohexane TIC		4.0	U

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Client Sample ID: V734-012916 Lab Sample ID: 200-31801-2
 Matrix: Air Lab File ID: 18130_26.D
 Analysis Method: TO-15 Date Collected: 01/29/2016 09:00
 Sample wt/vol: 200(mL) Date Analyzed: 02/03/2016 08:50
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
75-45-6	Freon 22	86.47	21		1.8	
74-87-3	Chloromethane	50.49	1.0	U	1.0	
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	
74-83-9	Bromomethane	94.94	0.78	U	0.78	
75-00-3	Chloroethane	64.52	1.3	U	1.3	
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	
76-13-1	Freon TF	187.38	1.5	U	1.5	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
67-63-0	Isopropyl alcohol	60.10	18		12	
67-64-1	Acetone	58.08	17		12	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	2.5		1.7	
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	
110-54-3	n-Hexane	86.17	0.70	U	0.70	
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	
78-93-3	Methyl Ethyl Ketone	72.11	3.5		1.5	
156-59-2	cis-1,2-Dichloroethene	96.94	2.3		0.79	
540-59-0	1,2-Dichloroethene, Total	96.94	2.3		1.6	
67-66-3	Chloroform	119.38	0.98	U	0.98	
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	
110-82-7	Cyclohexane	84.16	0.69	U	0.69	
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	
71-43-2	Benzene	78.11	0.64		0.64	
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	
123-91-1	1,4-Dioxane	88.11	18	U	18	
79-01-6	Trichloroethene	131.39	1.3		1.1	
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Client Sample ID: V734-012916 Lab Sample ID: 200-31801-2
 Matrix: Air Lab File ID: 18130_26.D
 Analysis Method: TO-15 Date Collected: 01/29/2016 09:00
 Sample wt/vol: 200 (mL) Date Analyzed: 02/03/2016 08:50
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
108-88-3	Toluene	92.14	3.0		0.75	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	
179601-23-1	m,p-Xylene	106.17	3.3		2.2	
95-47-6	Xylene, o-	106.17	1.2		0.87	
1330-20-7	Xylene (total)	106.17	4.4		3.0	
100-42-5	Styrene	104.15	0.85	U	0.85	
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	
75-25-2	Bromoform	252.75	2.1	U	2.1	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	
98-82-8	Cumene	120.19	0.98	U	0.98	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.4		0.98	
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
SDG No.: 200-31801-1
Client Sample ID: V734-012916 Lab Sample ID: 200-31801-2
Matrix: Air Lab File ID: 18130_26.D
Analysis Method: TO-15 Date Collected: 01/29/2016 09:00
Sample wt/vol: 200 (mL) Date Analyzed: 02/03/2016 08:50
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Methyl Acetate TIC	7.29	3.0	U
75-37-6	Difluoroethane TIC		2.7	U
76-15-3	Freon 115 TIC		6.3	U
306-83-2	Freon 123 TIC		6.3	U
79-38-9	CTFE TIC		4.8	U
96-12-8	Propane, 1,2-dibromo-3-chloro- TIC		9.7	U
108-87-2	Methyl cyclohexane TIC		4.0	U

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-31801-1</u>
SDG No.: <u>200-31801-1</u>	
Client Sample ID: <u>V718-012916</u>	Lab Sample ID: <u>200-31801-3</u>
Matrix: <u>Air</u>	Lab File ID: <u>18130_27.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>01/29/2016 09:04</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>02/03/2016 09:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>100288</u>	Units: <u>ug/m3</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
75-45-6	Freon 22	86.47	22		1.8	
74-87-3	Chloromethane	50.49	1.0	U	1.0	
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	
74-83-9	Bromomethane	94.94	0.78	U	0.78	
75-00-3	Chloroethane	64.52	1.3	U	1.3	
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	
76-13-1	Freon TF	187.38	6.7		1.5	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
67-63-0	Isopropyl alcohol	60.10	46		12	
67-64-1	Acetone	58.08	33		12	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	1.7		1.7	
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	
110-54-3	n-Hexane	86.17	0.81		0.70	
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	
78-93-3	Methyl Ethyl Ketone	72.11	14		1.5	
156-59-2	cis-1,2-Dichloroethene	96.94	2.0		0.79	
540-59-0	1,2-Dichloroethene, Total	96.94	2.0		1.6	
67-66-3	Chloroform	119.38	0.98	U	0.98	
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	
110-82-7	Cyclohexane	84.16	0.69		0.69	
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	
71-43-2	Benzene	78.11	1.2		0.64	
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	
123-91-1	1,4-Dioxane	88.11	18	U	18	
79-01-6	Trichloroethene	131.39	190		1.1	
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Client Sample ID: V718-012916 Lab Sample ID: 200-31801-3
 Matrix: Air Lab File ID: 18130_27.D
 Analysis Method: TO-15 Date Collected: 01/29/2016 09:04
 Sample wt/vol: 200 (mL) Date Analyzed: 02/03/2016 09:37
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
108-88-3	Toluene	92.14	12		0.75	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	
127-18-4	Tetrachloroethene	165.83	8.5		1.4	
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	
100-41-4	Ethylbenzene	106.17	1.1		0.87	
179601-23-1	m,p-Xylene	106.17	4.0		2.2	
95-47-6	Xylene, o-	106.17	1.4		0.87	
1330-20-7	Xylene (total)	106.17	5.4		3.0	
100-42-5	Styrene	104.15	0.85	U	0.85	
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	
75-25-2	Bromoform	252.75	2.1	U	2.1	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	
98-82-8	Cumene	120.19	0.98	U	0.98	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.0		0.98	
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
SDG No.: 200-31801-1
Client Sample ID: V718-012916 Lab Sample ID: 200-31801-3
Matrix: Air Lab File ID: 18130_27.D
Analysis Method: TO-15 Date Collected: 01/29/2016 09:04
Sample wt/vol: 200 (mL) Date Analyzed: 02/03/2016 09:37
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Methyl Acetate TIC	7.29	4.9	
75-37-6	Difluoroethane TIC		2.7	U
76-15-3	Freon 115 TIC		6.3	U
306-83-2	Freon 123 TIC		6.3	U
79-38-9	CTFE TIC		4.8	U
96-12-8	Propane, 1,2-dibromo-3-chloro- TIC		9.7	U
108-87-2	Methyl cyclohexane TIC		4.0	U

Appendix C

Support Documentation

CASE NARRATIVE

Client: Tetra Tech GEO

Project: Lockheed Martin, Great Neck - OU1

Report Number: 200-31801-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/01/2016; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples V736-012916, V734-012916 and V718-012916 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 02/03/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Tetra Tech GEO

Job Number: 200-31801-1

Sdg Number: 200-31801-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-31801-1	V736-012916	Air	01/29/2016 0855	02/01/2016 0850
200-31801-2	V734-012916	Air	01/29/2016 0900	02/01/2016 0850
200-31801-3	V718-012916	Air	01/29/2016 0904	02/01/2016 0850

METHOD SUMMARY

Client: Tetra Tech GEO

Job Number: 200-31801-1

Sdg Number: 200-31801-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919


Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>Dallas Mellott</u>		Samples Collected By: <u>Dan Prisco-Buxbaum</u> 1 of 1 COCs	
Company: <u>Tetra Tech Inc.</u>		Phone: <u>908-461-4536</u>			
Address: <u>One Salem Square</u>		Email: <u>Dallas.Mellott@tetratech.com</u>			
City/State/Zip: <u>295 Route 22 East</u>		Site Contact: <u>Dan Prisco-Buxbaum</u>			
Phone: <u>Whitehouse Station, NJ</u>		TA Contact: <u>Steve Feldmann</u>			
FAX: <u>908-534-2303 08889</u>		Analysis Turnaround Time			
Project Name: <u>LMC Great Neck SSDS</u>		Standard (Specify) <u>Standard</u>			
Site: <u>Great Neck SSDS</u>		Rush (Specify)			
PO #					

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 (NOB) BLAB02	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
V736-012916	1/29/16	8:55	9:20	-29.5	-6	4608	3707	X											
V734-012916	↓	9:00	9:26	-29.4	-8	5993	5140	X											
V718-012916	↓	9:04	9:31	-29.4	-6	4614	3200	X											

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			
Pressure (Inches of Hg)			
	Interior	Ambient	
Start			
Stop			



200-31801 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by: <u>[Signature]</u>	Date/Time: <u>1/29/16 10:10</u>	Samples Received by:	460501-NYSC
Samples Relinquished by: <u>[Signature]</u>	Date/Time: <u>1/29/16 10:10</u>	Received by: <u>[Signature] (T.A.)</u>	
Relinquished by: <u>B. Sommi / T.A.</u>	Date/Time: <u>01-29-16 / 17:00</u>	Received by: <u>[Signature] T.A. 2/1/16</u>	

Lab Use Only Shipper Name: Opened by: Condition:

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 200-31801-1

SDG Number: 200-31801-1

Login Number: 31801

List Source: TestAmerica Burlington

List Number: 1

Creator: Atherton, Joel E

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Lab File ID: 17928_01.D BFB Injection Date: 01/21/2016
 Instrument ID: CHC.i BFB Injection Time: 16:19
 Analysis Batch No.: 99830

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.2	
75	30.0 - 66.0% of mass 95	42.6	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	96.5	
175	4.0 - 9.0 % of mass 174	6.8	(7.0) 1
176	93.0 - 101.0% of mass 174	93.6	(97.0) 1
177	5.0 - 9.0% of mass 176	6.0	(6.4) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-99830/3	17928_03.D	01/21/2016	17:54
	IC 200-99830/4	17928_04.D	01/21/2016	18:41
	IC 200-99830/5	17928_05.D	01/21/2016	19:29
	IC 200-99830/7	17928_07.D	01/21/2016	21:03
	ICIS 200-99830/8	17928_08.D	01/21/2016	21:51
	IC 200-99830/9	17928_09.D	01/21/2016	22:38
	IC 200-99830/10	17928_10.D	01/21/2016	23:26
	IC 200-99830/11	17928_11.D	01/22/2016	00:13
	ICV 200-99830/15	17928_15.D	01/22/2016	03:23

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-31801-1 Analy Batch No.: 99830

SDG No.: 200-31801-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2016 17:54 Calibration End Date: 01/22/2016 00:13 Calibration ID: 33348

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-99830/3	17928_03.D
Level 2	IC 200-99830/4	17928_04.D
Level 3	IC 200-99830/5	17928_05.D
Level 4	IC 200-99830/7	17928_07.D
Level 5	ICIS 200-99830/8	17928_08.D
Level 6	IC 200-99830/9	17928_09.D
Level 7	IC 200-99830/10	17928_10.D
Level 8	IC 200-99830/11	17928_11.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Propylene	+++++	+++++	+++++	0.6758	0.7644	Ave		0.7053				6.1		30.0			
Dichlorodifluoromethane	0.7290	0.7015	0.6559														
	+++++	+++++	2.1632	1.9922	2.7344	Ave		2.3237				11.8		30.0			
	2.5200	2.3800	2.1524														
Freon 22	+++++	+++++	1.8295	1.4761	1.6899	Ave		1.5957				9.1		30.0			
	1.6021	1.5330	1.4437														
1,2-Dichlorotetrafluoroethane	+++++	2.6938	2.9858	2.5587	2.9451	Ave		2.7329				6.6		30.0			
	2.7749	2.6434	2.5288														
Chloromethane	+++++	+++++	1.1202	0.8897	1.0328	Ave		0.9790				8.9		30.0			
	0.9825	0.9467	0.9021														
n-Butane	+++++	+++++	1.8181	1.3347	1.5923	Ave		1.5357				10.9		30.0			
	1.5587	1.4937	1.4168														
Vinyl chloride	1.1580	1.0867	1.1803	0.9630	1.1622	Ave		1.1033				6.5		30.0			
	1.1331	1.0961	1.0470														
1,3-Butadiene	+++++	0.6699	0.7948	0.6801	0.8287	Ave		0.7580				8.1		30.0			
	0.7974	0.7877	0.7478														
Bromomethane	+++++	0.9952	1.1349	0.9403	1.1105	Ave		1.0367				6.8		30.0			
	1.0682	1.0255	0.9821														
Chloroethane	+++++	+++++	0.5279	0.4297	0.5084	Ave		0.4861				7.1		30.0			
	0.5001	0.4838	0.4668														
Isopentane	+++++	1.0040	1.0595	0.8176	0.9453	Ave		0.9311				8.9		30.0			
	0.9305	0.9027	0.8578														
Bromoethene (Vinyl Bromide)	+++++	0.9867	1.1225	0.9966	1.1268	Ave		1.0711				5.6		30.0			
	1.1197	1.0910	1.0543														
Trichlorofluoromethane	+++++	2.2146	2.5062	2.1616	2.4152	Ave		2.3057				5.5		30.0			
	2.3581	2.2794	2.2048														
n-Pentane	+++++	+++++	1.7244	1.4052	1.6155	Ave		1.5745				6.7		30.0			
	1.6008	1.5731	1.5280														

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-31801-1 Analy Batch No.: 99830
SDG No.: 200-31801-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/21/2016 17:54 Calibration End Date: 01/22/2016 00:13 Calibration ID: 33348

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.4524	+++++ 0.3677	0.3918 0.3618	0.3560	0.4123	Ave		0.3903				9.5		30.0			
Ethyl ether	+++++ 0.6507	0.5749 0.6401	0.6817 0.6142	0.5777	0.6577	Ave		0.6281				6.5		30.0			
Acrolein	+++++ 0.3179	+++++ 0.2797	+++++ 0.2647	0.2762	0.3150	Ave		0.2907				8.3		30.0			
Freon TF	+++++ 2.0727	2.0545 2.0051	2.2276 1.9317	1.8846	2.1166	Ave		2.0418				5.6		30.0			
1,1-Dichloroethene	+++++ 1.0435	0.9668 1.0051	1.1051 0.9684	0.9250	1.0641	Ave		1.0111				6.2		30.0			
Acetone	+++++ 1.4056	+++++ 1.3550	+++++ 1.2876	1.7624	1.4406	Ave		1.4502				12.7		30.0			
Carbon disulfide	+++++ 2.8702	+++++ 2.8068	3.0222 2.6918	2.5420	2.9030	Ave		2.8060				6.0		30.0			
Isopropyl alcohol	+++++ 1.3115	+++++ 1.3022	+++++ 1.2080	1.2582	1.3208	Ave		1.2801				3.7		30.0			
3-Chloropropene	+++++ 1.2454	1.0867 1.1843	1.2816 1.0836	0.8452	1.2676	Ave		1.1421				13.5		30.0			
Acetonitrile	+++++ 0.7009	+++++ 0.6778	+++++ 0.6431	0.6520	0.7119	Ave		0.6771				4.4		30.0			
Methylene Chloride	+++++ 1.1442	+++++ 1.1056	1.4145 1.0559	1.0384	1.1638	Ave		1.1537				11.8		30.0			
tert-Butyl alcohol	+++++ 1.8676	+++++ 1.8468	+++++ 1.7195	1.6624	1.8693	Ave		1.7931				5.3		30.0			
Methyl tert-butyl ether	+++++ 2.8477	2.4975 2.7801	2.9047 2.6612	2.5629	2.9071	Ave		2.7373				6.1		30.0			
trans-1,2-Dichloroethene	+++++ 1.4778	1.4832 1.4432	1.5777 1.3935	1.3106	1.5025	Ave		1.4555				5.8		30.0			
Acrylonitrile	+++++ 0.7289	+++++ 0.7127	0.6931 0.6858	0.6366	0.7256	Ave		0.6971				4.9		30.0			
n-Hexane	+++++ 1.5242	1.5328 1.4846	1.6554 1.4318	1.3447	1.5250	Ave		1.4998				6.4		30.0			
1,1-Dichloroethane	1.8600 1.9986	1.7915 1.9414	2.0723 1.8646	1.7724	2.0118	Ave		1.9141				5.7		30.0			
Vinyl acetate	+++++ 2.8089	+++++ 2.7136	+++++ 2.6217	2.4261	2.8467	Ave		2.6834				6.3		30.0			
cis-1,2-Dichloroethene	+++++ 1.3425	1.2510 1.2903	1.3830 1.2303	1.2049	1.3777	Ave		1.2971				5.5		30.0			
Methyl Ethyl Ketone	+++++ 0.5888	+++++ 0.5694	0.6781 0.5386	0.5433	0.5856	Ave		0.5840				8.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-31801-1 Analy Batch No.: 99830

SDG No.: 200-31801-1

Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2016 17:54 Calibration End Date: 01/22/2016 00:13 Calibration ID: 33348

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0968	+++++ 0.0932	+++++ 0.0869	0.0860	0.0975	Ave		0.0921				5.9		30.0			
Tetrahydrofuran	+++++ 0.2442	+++++ 0.2395	+++++ 0.2352	0.2287	0.2527	Ave		0.2401				3.8		30.0			
Chloroform	+++++ 2.3953	2.2301 2.3096	2.5542 2.2043	2.1941	2.4588	Ave		2.3352				5.9		30.0			
Cyclohexane	+++++ 0.3153	0.2803 0.3098	0.3303 0.3120	0.2857	0.3237	Ave		0.3082				6.0		30.0			
1,1,1-Trichloroethane	+++++ 0.4182	0.3893 0.4073	0.4455 0.4089	0.3922	0.4376	Ave		0.4141				5.1		30.0			
Carbon tetrachloride	0.2945 0.4191	0.3437 0.4054	0.4035 0.4088	0.2391	0.4417	Ave		0.3695				19.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.1907	1.0997 1.1911	1.2040 1.1972	1.0698	1.2166	Ave		1.1670				4.9		30.0			
Benzene	+++++ 0.7720	0.8012 0.7602	0.8411 0.7591	0.6971	0.7913	Ave		0.7746				5.7		30.0			
1,2-Dichloroethane	+++++ 0.2793	0.2739 0.2750	0.2994 0.2748	0.2660	0.2934	Ave		0.2802				4.2		30.0			
n-Heptane	+++++ 0.4541	0.4664 0.4498	0.4854 0.4474	0.4141	0.4673	Ave		0.4550				4.9		30.0			
n-Butanol	+++++ 0.1505	0.1427 0.1392	0.1339 0.1392	0.1339	0.1507	Ave		0.1434				5.1		30.0			
Trichloroethene	0.3406 0.3432	0.3267 0.3434	0.3673 0.3397	0.3187	0.3545	Ave		0.3418				4.4		30.0			
1,2-Dichloropropane	+++++ 0.3222	0.3092 0.3207	0.3336 0.3185	0.2914	0.3317	Ave		0.3182				4.5		30.0			
Methyl methacrylate	+++++ 0.2994	0.2658 0.2942	0.2658 0.2963	0.2554	0.3033	Ave		0.2857				7.0		30.0			
1,4-Dioxane	+++++ 0.1306	0.1278 0.1278	0.1219 0.1219	0.1478	0.1330	Ave		0.1322				7.3		30.0			
Dibromomethane	+++++ 0.3659	0.3364 0.3693	0.3928 0.3654	0.3551	0.3863	Ave		0.3673				5.1		30.0			
Bromodichloromethane	+++++ 0.5436	0.4642 0.5299	0.5337 0.5355	0.4791	0.5674	Ave		0.5219				7.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4683	0.4052 0.4575	0.4656 0.4657	0.4143	0.4787	Ave		0.4508				6.4		30.0			
methyl isobutyl ketone	+++++ 0.6683	0.6480 0.6480	0.6667 0.6430	0.6501	0.6957	Ave		0.6620				2.9		30.0			
Toluene	+++++ 0.6994	0.6711 0.6807	0.7461 0.6774	0.6335	0.7040	Ave		0.6875				5.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-31801-1 Analy Batch No.: 99830
SDG No.: 200-31801-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/21/2016 17:54 Calibration End Date: 01/22/2016 00:13 Calibration ID: 33348

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.7220	0.6914 0.7121	0.7367 0.7136	0.6722	0.7500	Ave		0.7140				3.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.4612	0.6114 0.4368	0.9176 0.4518	0.3930	0.4708	Ave		0.5347				34.0 *		30.0			
1,1,2-Trichloroethane	+++++ 0.3446	0.3075 0.3388	0.3637 0.3362	0.3174	0.3503	Ave		0.3369				5.7		30.0			
Tetrachloroethene	0.5551 0.5927	0.5735 0.5758	0.6247 0.5742	0.5556	0.6121	Ave		0.5830				4.3		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.7225	+++++ 0.6801	0.7492 0.6810	0.6713	0.7333	Ave		0.7062				4.6		30.0			
Dibromochloromethane	+++++ 0.6075	0.4679 0.5719	0.5519 0.5834	0.4901	0.6200	Ave		0.5561				10.4		30.0			
1,2-Dibromoethane	+++++ 0.6216	0.5398 0.6052	0.6245 0.6177	0.5687	0.6379	Ave		0.6022				5.8		30.0			
Chlorobenzene	+++++ 0.9589	0.9164 0.9211	1.0027 0.9545	0.8750	0.9801	Ave		0.9441				4.6		30.0			
Ethylbenzene	+++++ 1.4997	1.3615 1.4741	1.5529 1.5050	1.3568	1.5319	Ave		1.4689				5.4		30.0			
n-Nonane	+++++ 0.7324	0.6824 0.7328	0.7747 0.7455	0.6636	0.7436	Ave		0.7250				5.3		30.0			
m,p-Xylene	+++++ 0.6206	0.5485 0.5987	0.6443 0.6198	0.5672	0.6372	Ave		0.6052				5.9		30.0			
Xylene, o-	+++++ 0.6079	0.5769 0.5906	0.6251 0.5999	0.5611	0.6275	Ave		0.5984				4.1		30.0			
Styrene	+++++ 0.9639	0.7467 0.8801	0.8672 0.9785	0.9076	0.9830	Ave		0.9039				9.3		30.0			
Bromoform	+++++ 0.5093	0.3103 0.4419	0.3769 0.4661	0.3340	0.5258	Ave		0.4235				20.0		30.0			
Cumene	+++++ 1.6895	1.5295 1.6657	1.7148 1.7130	1.5473	1.7490	Ave		1.6584				5.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9306	0.8183 0.8987	0.9398 0.9338	0.8500	0.9553	Ave		0.9038				5.7		30.0			
n-Propylbenzene	+++++ 2.1256	1.8838 2.0571	2.0816 2.0814	1.9106	2.1755	Ave		2.0451				5.3		30.0			
1,2,3-Trichloropropane	+++++ 0.6782	+++++ 0.6710	0.7146 0.6981	0.6152	0.6944	Ave		0.6786				5.1		30.0			
n-Decane	+++++ 0.9928	+++++ 0.9742	0.9705 0.9452	0.8704	1.0093	Ave		0.9604				5.1		30.0			
4-Ethyltoluene	+++++ 1.7431	1.5264 1.6763	1.6683 1.7217	1.5629	1.7896	Ave		1.6698				5.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-31801-1 Analy Batch No.: 99830
SDG No.: 200-31801-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/21/2016 17:54 Calibration End Date: 01/22/2016 00:13 Calibration ID: 33348

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.4005	1.2746 1.3642	1.3765 1.4396	1.2607	1.4303	Ave		1.3638				5.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.4038	1.2268 1.3832	1.3630 1.4242	1.2563	1.4429	Ave		1.3572				6.2		30.0			
Alpha Methyl Styrene	+++++ 0.7627	0.5551 0.6910	0.6580 0.7627	0.6472	0.7869	Ave		0.6948				11.9		30.0			
tert-Butylbenzene	+++++ 1.3413	1.2017 1.3161	1.3447 1.3443	1.2414	1.3926	Ave		1.3117				5.1		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4159	1.2076 1.3650	1.3908 1.4144	1.2854	1.4663	Ave		1.3636				6.5		30.0			
sec-Butylbenzene	+++++ 2.1283	1.8121 2.1000	2.1000 2.0012	1.9568	2.2212	Ave		2.0456				6.6		30.0			
4-Isopropyltoluene	+++++ 1.7843	1.5110 1.7355	1.7306 1.7166	1.6208	1.8545	Ave		1.7076				6.6		30.0			
1,3-Dichlorobenzene	+++++ 1.0726	0.9583 0.9506	1.0891 1.0739	0.9865	1.1168	Ave		1.0354				6.6		30.0			
1,4-Dichlorobenzene	+++++ 1.0759	0.9603 0.9004	1.1158 1.0650	0.9819	1.1177	Ave		1.0310				8.1		30.0			
Benzyl chloride	+++++ 1.1799	0.9519 1.0285	1.0578 1.1230	0.7817	1.2088	Ave		1.0474				14.0		30.0			
n-Butylbenzene	+++++ 1.6738	1.4783 1.5566	1.6395 1.6260	1.5363	1.7426	Ave		1.6076				5.6		30.0			
n-Undecane	+++++ 1.0287	+++++ 0.9655	+++++ 1.1144	0.9242	1.0856	Ave		1.0237				7.8		30.0			
1,2-Dichlorobenzene	+++++ 1.0043	0.9236 0.9222	1.0234 0.9903	0.9315	1.0459	Ave		0.9773				5.2		30.0			
n-Dodecane	+++++ 1.0213	+++++ 0.8707	+++++ 1.0268	0.6019	1.0304	Ave		0.9102				20.3		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7998	+++++ 0.5979	0.7824 0.8358	0.6617	0.7942	Ave		0.7453				12.5		30.0			
Hexachlorobutadiene	+++++ 0.6310	0.6184 0.5969	0.6521 0.6510	0.5670	0.6412	Ave		0.6225				5.0		30.0			
Naphthalene	+++++ 1.8197	+++++ 1.1442	1.6742 1.8336	1.4778	1.8052	Ave		1.6258				16.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7309	0.5777 0.5985	0.6347 0.7483	0.5465	0.7200	Ave		0.6509				12.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Lab File ID: 18130_01.D BFB Injection Date: 02/02/2016
 Instrument ID: CHC.i BFB Injection Time: 11:16
 Analysis Batch No.: 100288

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.4	
75	30.0 - 66.0% of mass 95	44.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.0	(0.0) 1
174	50.0 - 120.0% of mass 95	98.3	
175	4.0 - 9.0 % of mass 174	7.0	(7.1) 1
176	93.0 - 101.0% of mass 174	95.6	(97.3) 1
177	5.0 - 9.0% of mass 176	6.4	(6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-100288/3	18130_03.D	02/02/2016	12:54
	LCS 200-100288/4	18130_04.D	02/02/2016	13:41
	MB 200-100288/5	18130_05.D	02/02/2016	14:28
V736-012916	200-31801-1	18130_25.D	02/03/2016	08:02
V734-012916	200-31801-2	18130_26.D	02/03/2016	08:50
V718-012916	200-31801-3	18130_27.D	02/03/2016	09:37

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Lab Sample ID: CCVIS 200-100288/3 Calibration Date: 02/02/2016 12:54
 Instrument ID: CHC.i Calib Start Date: 01/21/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2016 00:13
 Lab File ID: 18130_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.7053	0.8653		12.3	10.0	22.7	30.0
Dichlorodifluoromethane	Ave	2.324	2.784		12.0	10.0	19.8	30.0
Freon 22	Ave	1.596	1.832		11.5	10.0	14.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.733	2.976		10.9	10.0	8.9	30.0
Chloromethane	Ave	0.9790	1.115		11.4	10.0	13.9	30.0
n-Butane	Ave	1.536	1.744		11.4	10.0	13.6	30.0
Vinyl chloride	Ave	1.103	1.196		10.8	10.0	8.4	30.0
1,3-Butadiene	Ave	0.7580	0.8724		11.5	10.0	15.1	30.0
Bromomethane	Ave	1.037	1.112		10.7	10.0	7.3	30.0
Chloroethane	Ave	0.4861	0.5192		10.7	10.0	6.8	30.0
Isopentane	Ave	0.9311	1.060		11.4	10.0	13.9	30.0
Bromoethene (Vinyl Bromide)	Ave	1.071	1.112		10.4	10.0	3.8	30.0
Trichlorofluoromethane	Ave	2.306	2.442		10.6	10.0	5.9	30.0
n-Pentane	Ave	1.575	1.774		11.3	10.0	12.7	30.0
Ethanol	Ave	0.3903	0.4553		17.5	15.0	16.6	30.0
Ethyl ether	Ave	0.6281	0.6801		10.8	10.0	8.3	30.0
Acrolein	Ave	0.2907	0.3198		11.0	10.0	10.0	30.0
Freon TF	Ave	2.042	2.088		10.2	10.0	2.3	30.0
1,1-Dichloroethene	Ave	1.011	1.054		10.4	10.0	4.2	30.0
Acetone	Ave	1.450	1.595		11.0	10.0	10.0	30.0
Carbon disulfide	Ave	2.806	2.921		10.4	10.0	4.1	30.0
Isopropyl alcohol	Ave	1.280	1.436		11.2	10.0	12.2	30.0
3-Chloropropene	Ave	1.142	1.387		12.1	10.0	21.5	30.0
Acetonitrile	Ave	0.6771	0.8086		11.9	10.0	19.4	30.0
Methylene Chloride	Ave	1.154	1.254		10.9	10.0	8.7	30.0
tert-Butyl alcohol	Ave	1.793	1.970		11.0	10.0	9.8	30.0
Methyl tert-butyl ether	Ave	2.737	2.950		10.8	10.0	7.8	30.0
trans-1,2-Dichloroethene	Ave	1.455	1.554		10.7	10.0	6.7	30.0
Acrylonitrile	Ave	0.6971	0.7860		11.3	10.0	12.7	30.0
n-Hexane	Ave	1.500	1.597		10.6	10.0	6.5	30.0
1,1-Dichloroethane	Ave	1.914	2.094		10.9	10.0	9.4	30.0
Vinyl acetate	Ave	2.683	3.139		11.7	10.0	17.0	30.0
cis-1,2-Dichloroethene	Ave	1.297	1.349		10.4	10.0	4.0	30.0
Methyl Ethyl Ketone	Ave	0.5840	0.5948		10.2	10.0	1.9	30.0
Ethyl acetate	Ave	0.0921	0.0908		9.86	10.0	-1.4	30.0
Tetrahydrofuran	Ave	0.2401	0.2734		11.4	10.0	13.9	30.0
Chloroform	Ave	2.335	2.456		10.5	10.0	5.2	30.0
Cyclohexane	Ave	0.3082	0.3173		10.3	10.0	3.0	30.0
1,1,1-Trichloroethane	Ave	0.4141	0.4321		10.4	10.0	4.3	30.0
Carbon tetrachloride	Ave	0.3695	0.4312		11.7	10.0	16.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Lab Sample ID: CCVIS 200-100288/3 Calibration Date: 02/02/2016 12:54
 Instrument ID: CHC.i Calib Start Date: 01/21/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2016 00:13
 Lab File ID: 18130_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.167	1.251		10.7	10.0	7.2	30.0
Benzene	Ave	0.7746	0.7853		10.1	10.0	1.4	30.0
1,2-Dichloroethane	Ave	0.2802	0.3026		10.8	10.0	8.0	30.0
n-Heptane	Ave	0.4550	0.5085		11.2	10.0	11.8	30.0
n-Butanol	Ave	0.1434	0.1562		10.9	10.0	8.9	30.0
Trichloroethene	Ave	0.3418	0.3486		10.2	10.0	2.0	30.0
1,2-Dichloropropane	Ave	0.3182	0.3351		10.5	10.0	5.3	30.0
Methyl methacrylate	Ave	0.2857	0.3037		10.6	10.0	6.3	30.0
1,4-Dioxane	Ave	0.1322	0.1327		10.0	10.0	0.4	30.0
Dibromomethane	Ave	0.3673	0.3657		9.95	10.0	-0.4	30.0
Bromodichloromethane	Ave	0.5219	0.5597		10.7	10.0	7.2	30.0
cis-1,3-Dichloropropene	Ave	0.4508	0.4761		10.6	10.0	5.6	30.0
methyl isobutyl ketone	Ave	0.6620	0.7462		11.3	10.0	12.7	30.0
Toluene	Ave	0.6875	0.6925		10.1	10.0	0.7	30.0
n-Octane	Ave	0.7140	0.8100		11.3	10.0	13.4	30.0
trans-1,3-Dichloropropene	Ave	0.5347	0.4709		8.81	10.0	-11.9	30.0
1,1,2-Trichloroethane	Ave	0.3369	0.3490		10.4	10.0	3.6	30.0
Tetrachloroethene	Ave	0.5830	0.5863		10.1	10.0	0.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7062	0.7983		11.3	10.0	13.0	30.0
Dibromochloromethane	Ave	0.5561	0.5844		10.5	10.0	5.1	30.0
1,2-Dibromoethane	Ave	0.6022	0.6177		10.3	10.0	2.6	30.0
Chlorobenzene	Ave	0.9441	0.9520		10.1	10.0	0.8	30.0
Ethylbenzene	Ave	1.469	1.515		10.3	10.0	3.1	30.0
n-Nonane	Ave	0.7250	0.7686		10.6	10.0	6.0	30.0
m,p-Xylene	Ave	0.6052	0.6220		20.6	20.0	2.8	30.0
Xylene, o-	Ave	0.5984	0.6129		10.2	10.0	2.4	30.0
Styrene	Ave	0.9039	0.9529		10.5	10.0	5.4	30.0
Bromoform	Ave	0.4235	0.4553		10.7	10.0	7.5	30.0
Cumene	Ave	1.658	1.708		10.3	10.0	3.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9038	0.9264		10.2	10.0	2.5	30.0
n-Propylbenzene	Ave	2.045	2.133		10.4	10.0	4.3	30.0
1,2,3-Trichloropropane	Ave	0.6786	0.6975		10.3	10.0	2.8	30.0
n-Decane	Ave	0.9604	1.040		10.8	10.0	8.3	30.0
4-Ethyltoluene	Ave	1.670	1.739		10.4	10.0	4.2	30.0
2-Chlorotoluene	Ave	1.364	1.415		10.4	10.0	3.7	30.0
1,3,5-Trimethylbenzene	Ave	1.357	1.396		10.3	10.0	2.9	30.0
Alpha Methyl Styrene	Ave	0.6948	0.7503		10.8	10.0	8.0	30.0
tert-Butylbenzene	Ave	1.312	1.339		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	1.364	1.419		10.4	10.0	4.1	30.0
sec-Butylbenzene	Ave	2.046	2.137		10.4	10.0	4.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Lab Sample ID: CCVIS 200-100288/3 Calibration Date: 02/02/2016 12:54
 Instrument ID: CHC.i Calib Start Date: 01/21/2016 17:54
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 01/22/2016 00:13
 Lab File ID: 18130_03.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.708	1.774		10.4	10.0	3.9	30.0
1,3-Dichlorobenzene	Ave	1.035	1.058		10.2	10.0	2.1	30.0
1,4-Dichlorobenzene	Ave	1.031	1.055		10.2	10.0	2.4	30.0
Benzyl chloride	Ave	1.047	1.171		11.2	10.0	11.8	30.0
n-Butylbenzene	Ave	1.608	1.707		10.6	10.0	6.2	30.0
n-Undecane	Ave	1.024	1.125		11.0	10.0	9.9	30.0
1,2-Dichlorobenzene	Ave	0.9773	0.9919		10.1	10.0	1.5	30.0
n-Dodecane	Ave	0.9102	0.9837		10.8	10.0	8.1	30.0
1,2,4-Trichlorobenzene	Ave	0.7453	0.7165		9.61	10.0	-3.9	30.0
Hexachlorobutadiene	Ave	0.6225	0.5965		9.58	10.0	-4.2	30.0
Naphthalene	Ave	1.626	1.567		9.63	10.0	-3.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6509	0.6123		9.40	10.0	-5.9	30.0

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
SDG No.: 200-31801-1
Lab File ID: 18130_05.D Lab Sample ID: MB 200-100288/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHC.i Date Analyzed: 02/02/2016 14:28
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-100288/4	18130_04.D	02/02/2016 13:41
V736-012916	200-31801-1	18130_25.D	02/03/2016 08:02
V734-012916	200-31801-2	18130_26.D	02/03/2016 08:50
V718-012916	200-31801-3	18130_27.D	02/03/2016 09:37

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Client Sample ID: _____ Lab Sample ID: MB 200-100288/5
 Matrix: Air Lab File ID: 18130_05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200(mL) Date Analyzed: 02/02/2016 14:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
75-45-6	Freon 22	86.47	1.8	U	1.8	
74-87-3	Chloromethane	50.49	1.0	U	1.0	
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	
74-83-9	Bromomethane	94.94	0.78	U	0.78	
75-00-3	Chloroethane	64.52	1.3	U	1.3	
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	
76-13-1	Freon TF	187.38	1.5	U	1.5	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
67-63-0	Isopropyl alcohol	60.10	12	U	12	
67-64-1	Acetone	58.08	12	U	12	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	
110-54-3	n-Hexane	86.17	0.70	U	0.70	
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	
78-93-3	Methyl Ethyl Ketone	72.11	1.5	U	1.5	
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	
540-59-0	1,2-Dichloroethene, Total	96.94	1.6	U	1.6	
67-66-3	Chloroform	119.38	0.98	U	0.98	
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	
110-82-7	Cyclohexane	84.16	0.69	U	0.69	
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	
71-43-2	Benzene	78.11	0.64	U	0.64	
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	
123-91-1	1,4-Dioxane	88.11	18	U	18	
79-01-6	Trichloroethene	131.39	1.1	U	1.1	
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
SDG No.: 200-31801-1
Client Sample ID: _____ Lab Sample ID: MB 200-100288/5
Matrix: Air Lab File ID: 18130_05.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 02/02/2016 14:28
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
108-88-3	Toluene	92.14	0.75	U	0.75	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	
95-47-6	Xylene, o-	106.17	0.87	U	0.87	
1330-20-7	Xylene (total)	106.17	3.0	U	3.0	
100-42-5	Styrene	104.15	0.85	U	0.85	
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	
75-25-2	Bromoform	252.75	2.1	U	2.1	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	
98-82-8	Cumene	120.19	0.98	U	0.98	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
SDG No.: 200-31801-1
Client Sample ID: _____ Lab Sample ID: MB 200-100288/5
Matrix: Air Lab File ID: 18130_05.D
Analysis Method: TO-15 Date Collected: _____
Sample wt/vol: 200 (mL) Date Analyzed: 02/02/2016 14:28
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
79-20-9	Methyl Acetate TIC		3.0	U
75-37-6	Difluoroethane TIC		2.7	U
76-15-3	Freon 115 TIC		6.3	U
306-83-2	Freon 123 TIC		6.3	U
79-38-9	CTFE TIC		4.8	U
96-12-8	Propane, 1,2-dibromo-3-chloro- TIC		9.7	U
108-87-2	Methyl cyclohexane TIC		4.0	U

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Matrix: Air Level: Low Lab File ID: 18130_04.D
 Lab ID: LCS 200-100288/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.62	86	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	70-130	
Freon 22	10.0	9.97	100	70-130	
Chloromethane	10.0	9.81	98	70-130	
1,3-Butadiene	10.0	9.99	100	70-130	
Vinyl chloride	10.0	9.70	97	70-130	
Bromomethane	10.0	9.80	98	70-130	
Chloroethane	10.0	9.80	98	70-130	
Trichlorofluoromethane	10.0	9.42	94	70-130	
Freon TF	10.0	9.40	94	70-130	
1,1-Dichloroethene	10.0	9.59	96	70-130	
Isopropyl alcohol	10.0	9.70	97	70-130	
Acetone	10.0	11.0	110	70-130	
3-Chloropropene	10.0	10.8	108	70-130	
Carbon disulfide	10.0	11.2	112	70-130	
Methylene Chloride	10.0	10.1	101	70-130	
Methyl tert-butyl ether	10.0	9.95	100	70-130	
n-Hexane	10.0	10.7	107	70-130	
trans-1,2-Dichloroethene	10.0	10.5	105	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.66	97	70-130	
cis-1,2-Dichloroethene	10.0	9.49	95	70-130	
Chloroform	10.0	9.79	98	70-130	
1,1,1-Trichloroethane	10.0	9.51	95	70-130	
Cyclohexane	10.0	9.62	96	70-130	
Carbon tetrachloride	10.0	10.6	106	70-130	
Benzene	10.0	9.37	94	70-130	
1,2-Dichloroethane	10.0	9.82	98	70-130	
1,4-Dioxane	10.0	9.05	91	70-130	
Trichloroethene	10.0	9.31	93	70-130	
1,2-Dichloropropane	10.0	9.59	96	70-130	
Bromodichloromethane	10.0	9.68	97	70-130	
cis-1,3-Dichloropropene	10.0	9.75	97	70-130	
methyl isobutyl ketone	10.0	9.80	98	70-130	
Toluene	10.0	9.45	94	70-130	
trans-1,3-Dichloropropene	10.0	8.06	81	70-130	
1,1,2-Trichloroethane	10.0	9.65	96	70-130	
Tetrachloroethene	10.0	9.28	93	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.88	99	70-130	
Dibromochloromethane	10.0	9.60	96	70-130	
1,2-Dibromoethane	10.0	9.50	95	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Matrix: Air Level: Low Lab File ID: 18130_04.D
 Lab ID: LCS 200-100288/4 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chlorobenzene	10.0	9.30	93	70-130	
Ethylbenzene	10.0	9.43	94	70-130	
m,p-Xylene	20.0	18.6	93	70-130	
Xylene, o-	10.0	9.16	92	70-130	
Styrene	10.0	9.56	96	70-130	
4-Ethyltoluene	10.0	9.55	96	70-130	
Bromoform	10.0	10.5	105	70-130	
1,3,5-Trimethylbenzene	10.0	9.19	92	70-130	
Cumene	10.0	9.11	91	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.64	96	70-130	
1,2,4-Trimethylbenzene	10.0	9.21	92	70-130	
1,3-Dichlorobenzene	10.0	9.13	91	70-130	
1,4-Dichlorobenzene	10.0	9.10	91	70-130	
Hexachlorobutadiene	10.0	8.16	82	70-130	
1,2-Dichlorobenzene	10.0	9.08	91	70-130	
1,2,4-Trichlorobenzene	10.0	8.40	84	70-130	

Column to be used to flag recovery and RPD values

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
SDG No.: 200-31801-1
Sample No.: ICIS 200-99830/8 Date Analyzed: 01/21/2016 21:51
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 17928_08.D Heated Purge: (Y/N) N
Calibration ID: 33348

	BCM		DFB		CBZ	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	290449	10.46	1546162	12.46	1437555	18.51
UPPER LIMIT	406629	10.79	2164627	12.79	2012577	18.84
LOWER LIMIT	174269	10.13	927697	12.13	862533	18.18
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 200-99830/15		334967	10.46	1785952	12.46	1608441

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Sample No.: CCVIS 200-100288/3 Date Analyzed: 02/02/2016 12:54
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 18130_03.D Heated Purge: (Y/N) N
 Calibration ID: 33348

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		259725	10.45	1391941	12.46	1278136	18.51
UPPER LIMIT		363615	10.78	1948717	12.79	1789390	18.84
LOWER LIMIT		155835	10.12	835165	12.13	766882	18.18
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-100288/4		283592	10.45	1543678	12.46	1404259	18.51
MB 200-100288/5		291771	10.45	1653888	12.45	1437960	18.51
200-31801-1		V736-012916	267192	1450993	12.45	1292205	18.51
200-31801-2		V734-012916	292196	1624445	12.45	1446091	18.51
200-31801-3		V718-012916	283702	1581756	12.45	1336491	18.51

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = \pm 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

SAMPLE ID V718-012916

SAMPLE CALC for tetrachloroethene

IS AREA	DILUTION	COMPOUND OF INTEREST AREA	IS AMOUNT (ppbv)	AVE RRF	CONCENTRATION (ppbv)
1581756	1	1954215	10	0.3418	36.15

Molecular weight (g/mole)	Concentration (ug/m3)
131.4	194.2573

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-31801-1
 SDG No.: 200-31801-1
 Client Sample ID: V718-012916 Lab Sample ID: 200-31801-3
 Matrix: Air Lab File ID: 18130_27.D
 Analysis Method: TO-15 Date Collected: 01/29/2016 09:04
 Sample wt/vol: 200 (mL) Date Analyzed: 02/03/2016 09:37
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: Level: (low/med) Low
 Analysis Batch No.: 100288 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	
75-45-6	Freon 22	86.47	22		1.8	
74-87-3	Chloromethane	50.49	1.0	U	1.0	
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	
74-83-9	Bromomethane	94.94	0.78	U	0.78	
75-00-3	Chloroethane	64.52	1.3	U	1.3	
75-69-4	Trichlorofluoromethane	137.37	1.3		1.1	
76-13-1	Freon TF	187.38	6.7		1.5	
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	
67-63-0	Isopropyl alcohol	60.10	46		12	
67-64-1	Acetone	58.08	33		12	
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	
75-09-2	Methylene Chloride	84.93	1.7		1.7	
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	
110-54-3	n-Hexane	86.17	0.81		0.70	
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	
78-93-3	Methyl Ethyl Ketone	72.11	14		1.5	
156-59-2	cis-1,2-Dichloroethene	96.94	2.0		0.79	
540-59-0	1,2-Dichloroethene, Total	96.94	2.0		1.6	
67-66-3	Chloroform	119.38	0.98	U	0.98	
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	
110-82-7	Cyclohexane	84.16	0.69		0.69	
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	
71-43-2	Benzene	78.11	1.2		0.64	
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	
123-91-1	1,4-Dioxane	88.11	18	U	18	
79-01-6	Trichloroethene	131.39	190		1.1	
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	
108-10-1	methyl isobutyl ketone	100.16	2.0	U	2.0	

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20160202-18130.b\18130_27.D
 Lims ID: 200-31801-A-3 Lab Sample ID: 200-31801-3
 Client ID: V718-012916
 Sample Type: Client
 Inject. Date: 03-Feb-2016 09:37:30 ALS Bottle#: 10 Worklist Smp#: 27
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0018130-027
 Misc. Info.: 31801-3
 Operator ID: ggg Instrument ID: CHC.i
 Method: \\ChromNA\Burlington\ChromData\CHC.i\20160202-18130.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 04-Feb-2016 12:19:44 Calib Date: 22-Jan-2016 00:13:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHC.i\20160121-17928.b\17928_11.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: guazzonig

Date: 03-Feb-2016 17:56:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	3.055	3.055	0.000	99	27959	0.4241	
3 Chlorodifluoromethane	51	3.108	3.108	0.000	97	276698	6.11	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.327				ND	
5 Chloromethane	50	3.460	3.466	-0.006	99	9446	0.3401	
7 Vinyl chloride	62		3.711				ND	
8 Butadiene	54	3.797	3.791	0.006	91	1307	0.0608	
10 Bromomethane	94		4.490				ND	
11 Chloroethane	64		4.736				ND	
14 Trichlorofluoromethane	101	5.243	5.243	0.000	97	15177	0.2320	
19 1,1,2-Trichloro-1,2,2-trif	101	6.353	6.353	0.000	98	50722	0.8756	
20 1,1-Dichloroethene	96		6.390				ND	
21 Acetone	43	6.641	6.646	-0.005	98	573763	13.9	
22 Carbon disulfide	76	6.764	6.774	-0.010	79	3495	0.0439	M
23 Isopropyl alcohol	45	6.972	6.972	0.000	100	674380	18.6	
24 3-Chloro-1-propene	41		7.207				ND	
T 25 Methyl Acetate TIC	43	7.292	7.308	-0.016	74	46167	1.63	
27 Methylene Chloride	49	7.511	7.511	0.000	95	16294	0.4978	
29 Methyl tert-butyl ether	73		7.917				ND	
30 trans-1,2-Dichloroethene	61	7.949	7.954	-0.005	95	2971	0.0720	
32 Hexane	57	8.349	8.349	0.000	90	9770	0.2296	
33 1,1-Dichloroethane	63		8.845				ND	
35 cis-1,2-Dichloroethene	96	9.982	9.982	0.000	87	18310	0.4976	
36 2-Butanone (MEK)	72	10.041	10.035	0.006	100	76910	4.64	
S 38 1,2-Dichloroethene, Total	61				0		0.5695	
* 40 Chlorobromomethane	128	10.452	10.452	0.000	92	283702	10.0	
41 Chloroform	83	10.601	10.596	0.005	98	11904	0.1797	
42 Cyclohexane	84	10.820	10.825	-0.005	90	9786	0.2008	
43 1,1,1-Trichloroethane	97		10.857				ND	
44 Carbon tetrachloride	117	11.113	11.108	0.005	92	4424	0.0757	
46 Benzene	78	11.588	11.588	0.000	95	47269	0.3858	
47 1,2-Dichloroethane	62		11.780				ND	

Data File: \\ChromNA\\Burlington\\ChromData\\CHC.i\\20160202-18130.b\\18130_27.D

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 49 1,4-Difluorobenzene	114	12.453	12.458	-0.005	94	1581756	10.0	
51 Trichloroethene	95	12.923	12.923	0.000	98	1954215	36.1	
T 53 Methyl cyclohexane TIC	55		13.179				ND	
54 1,2-Dichloropropane	63	13.483	13.488	-0.005	12	1510	0.0300	
56 1,4-Dioxane	88	13.739	13.728	0.011	63	1762	0.0843	
58 Dichlorobromomethane	83		14.065				ND	
60 cis-1,3-Dichloropropene	75		15.009				ND	
61 4-Methyl-2-pentanone (MIBK)	43	15.308	15.303	0.005	91	45382	0.4334	
62 Toluene	92	15.596	15.596	0.000	94	290077	3.16	
64 trans-1,3-Dichloropropene	75		16.210				ND	
65 1,1,2-Trichloroethane	83		16.589				ND	
66 Tetrachloroethene	166	16.685	16.685	0.000	97	97265	1.25	
67 2-Hexanone	43	17.043	17.032	0.011	90	30028	0.3181	
68 Chlorodibromomethane	129		17.347				ND	
69 Ethylene Dibromide	107		17.608				ND	
* 70 Chlorobenzene-d5	117	18.505	18.510	-0.005	85	1336491	10.0	
71 Chlorobenzene	112		18.569				ND	
72 Ethylbenzene	91	18.719	18.718	0.001	98	51763	0.2637	
74 m-Xylene & p-Xylene	106	18.964	18.969	-0.005	0	74057	0.9156	
T 75 1,2-Dibromo-3-Chloropropan	75		18.980				ND	
76 o-Xylene	106	19.802	19.807	-0.005	99	25632	0.3205	
77 Styrene	104		19.861				ND	
S 78 Xylenes, Total	106				0		1.24	
79 Bromoform	173		20.287				ND	
80 Isopropylbenzene	105		20.490				ND	
81 1,1,2,2-Tetrachloroethane	83		21.152				ND	
85 4-Ethyltoluene	105		21.403				ND	
87 1,3,5-Trimethylbenzene	105	21.510	21.510	0.000	92	14685	0.0810	
90 1,2,4-Trimethylbenzene	105	22.091	22.091	0.000	98	38608	0.2118	
93 1,3-Dichlorobenzene	146		22.550				ND	
94 1,4-Dichlorobenzene	146	22.684	22.689	-0.005	43	3078	0.0223	
98 1,2-Dichlorobenzene	146		23.212				ND	
100 1,2,4-Trichlorobenzene	180		25.683				ND	
101 Hexachlorobutadiene	225	25.865	25.865	0.000	84	1704	0.0205	
T 108 Difluoroethane TIC	1		0.000				ND	
T 109 Freon 115 TIC	1		0.000				ND	
T 110 1,1,1-Trifluoro-2,2-dichlo	1		0.000				ND	
T 107 Chlorotrifluoroethene TIC	1		0.000				ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ATTO15CISs_00007

Amount Added: 20.00

Units: mL

Run Reagent

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Sample Calculation

Lab Name: TestAmerica Burlington Job No.: 200-31801-1 Analy Batch No.: 99830
SDG No.: 200-31801-1
Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 01/21/2016 17:54 Calibration End Date: 01/22/2016 00:13 Calibration ID: 33348

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0968	+++++ 0.0932	+++++ 0.0869	0.0860	0.0975	Ave		0.0921				5.9		30.0			
Tetrahydrofuran	+++++ 0.2442	+++++ 0.2395	+++++ 0.2352	0.2287	0.2527	Ave		0.2401				3.8		30.0			
Chloroform	+++++ 2.3953	2.2301 2.3096	2.5542 2.2043	2.1941	2.4588	Ave		2.3352				5.9		30.0			
Cyclohexane	+++++ 0.3153	0.2803 0.3098	0.3303 0.3120	0.2857	0.3237	Ave		0.3082				6.0		30.0			
1,1,1-Trichloroethane	+++++ 0.4182	0.3893 0.4073	0.4455 0.4089	0.3922	0.4376	Ave		0.4141				5.1		30.0			
Carbon tetrachloride	0.2945 0.4191	0.3437 0.4054	0.4035 0.4088	0.2391	0.4417	Ave		0.3695				19.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.1907	1.0997 1.1911	1.2040 1.1972	1.0698	1.2166	Ave		1.1670				4.9		30.0			
Benzene	+++++ 0.7720	0.8012 0.7602	0.8411 0.7591	0.6971	0.7913	Ave		0.7746				5.7		30.0			
1,2-Dichloroethane	+++++ 0.2793	0.2739 0.2750	0.2994 0.2748	0.2660	0.2934	Ave		0.2802				4.2		30.0			
n-Heptane	+++++ 0.4541	0.4664 0.4498	0.4854 0.4474	0.4141	0.4673	Ave		0.4550				4.9		30.0			
n-Butanol	+++++ 0.1505	+++++ 0.1427	+++++ 0.1392	0.1339	0.1507	Ave		0.1434				5.1		30.0			
Trichloroethene	0.3406 0.3432	0.3267 0.3434	0.3673 0.3397	0.3187	0.3545	Ave		0.3418				4.4		30.0			
1,2-Dichloropropane	+++++ 0.3222	0.3092 0.3207	0.3336 0.3185	0.2914	0.3317	Ave		0.3182				4.5		30.0			
Methyl methacrylate	+++++ 0.2994	+++++ 0.2942	0.2658 0.2963	0.2554	0.3033	Ave		0.2857				7.0		30.0			
1,4-Dioxane	+++++ 0.1306	+++++ 0.1278	+++++ 0.1219	0.1478	0.1330	Ave		0.1322				7.3		30.0			
Dibromomethane	+++++ 0.3659	0.3364 0.3693	0.3928 0.3654	0.3551	0.3863	Ave		0.3673				5.1		30.0			
Bromodichloromethane	+++++ 0.5436	0.4642 0.5299	0.5337 0.5355	0.4791	0.5674	Ave		0.5219				7.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.4683	0.4052 0.4575	0.4656 0.4657	0.4143	0.4787	Ave		0.4508				6.4		30.0			
methyl isobutyl ketone	+++++ 0.6683	+++++ 0.6480	0.6667 0.6430	0.6501	0.6957	Ave		0.6620				2.9		30.0			
Toluene	+++++ 0.6994	0.6711 0.6807	0.7461 0.6774	0.6335	0.7040	Ave		0.6875				5.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

APPENDIX C—LA FITNESS PASSIVE VENT INSPECTION



TECHNICAL MEMORANDUM

LA Fitness Passive Vent Inspection

Operable Unit 1 Sub Slab Depressurization System (SSDS)

Site Wide Activities for the Great Neck Remediation Site

Former Unisys Facility, Village of Lake Success, New York

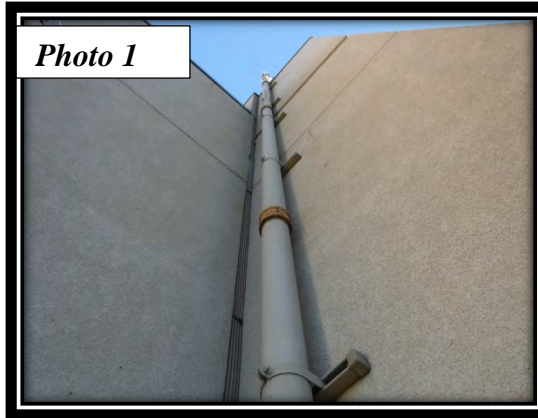
May 2016

On January 19, 2016, the LA Fitness Passive Vent System was inspected. Three vapor readings were taken from the sampling port using a Photo Ionization Detector with an 11.7 eV lamp. Readings were taken approximately every two hours over a six hour period. The final reading exhibited a slight response from the PID. The readings and associate weather parameters are shown in the table below. It should be noted that wind gusts reached up to 30 MPH.

Time	PID (ppm)	Barometric Pressure (in. Hg)	Wind Speed (mph)	Temperature (F)
9:12	0	29.88	4.9	20.8
11:10	0	29.85	6.3	25.1
13:58	5.8	29.82	2.2	32.7

The pipes for the passive vent inlet and passive vent exhaust were inspected at penetrations, pipe connections, anchor points, bracketed points and fitting connections. The treaded pipe connections appear to be sealed and in good condition. There is some rusting (Photos 5&6) on the surface of the metal couplings. There was also some surface rust observed along both the inlet and outlet pipes. The brackets and anchors are intact, supportive and do not show signs of wear.

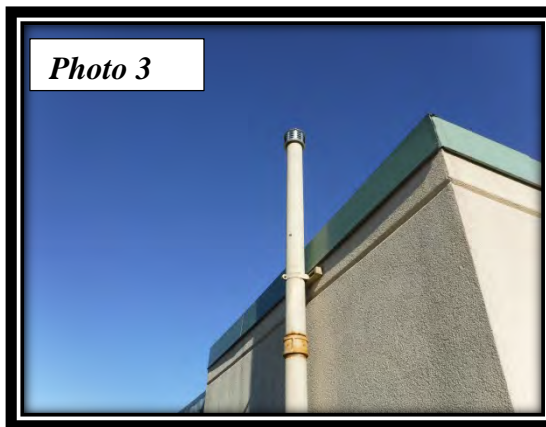
A manlift was used to examine the pipe and connections at height. The exhaust and inlet vents were also inspected. The exhaust rain cap turbine show in Photo 2 was assessed from the manlift and was observed to be freely turning with no observed obstructions. The inlet passive vent pipe (Photo 4) was also inspected. There were no obstructions observed in the inlet. Both the inlet and exhaust points were checked with the PID. The readings along the piping did not detect any volatile organic compounds.



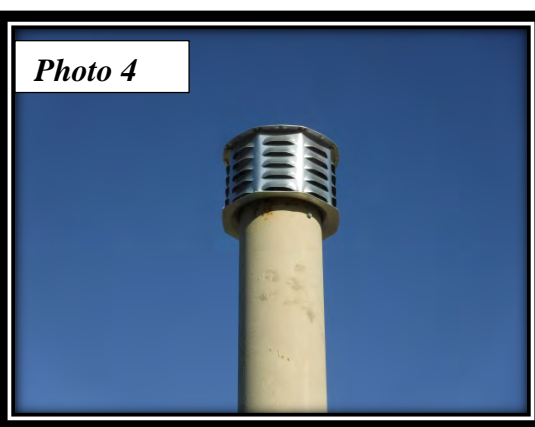
Exhaust Passive Vent with Rain Cap



Exhaust Rain Cap



Inlet Passive Vent Pipe with Rain Cap



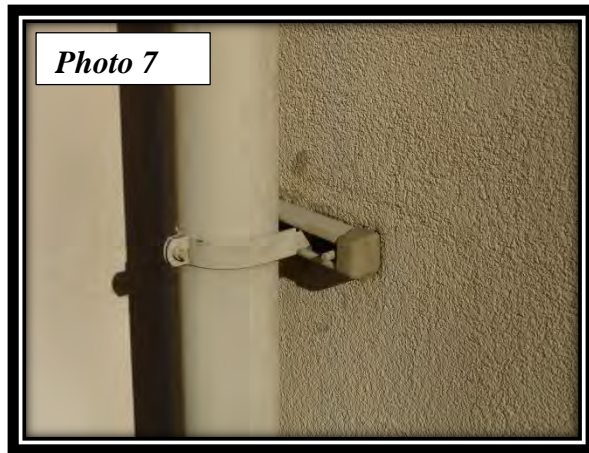
Inlet Rain Cap



Exhaust Ground Penetration



Inlet Ground Penetration



Vent Brackets



Monitoring of Exhaust Vent Screw Port

**APPENDIX D—NESTED WELL SOIL VAPOR ANALYTICAL
LABORATORY REPORTS AND DATA VALIDATION FORMS – IPARK**

DATA USABILITY SUMMARY REPORT
FEBRUARY 2016 AIR SAMPLES
PROJECT: LMC GREAT NECK
NEW YORK
DATE SAMPLES COLLECTED: FEBRUARY 6, 2016
LAB REPORT No. 10337995

1.0 INTRODUCTION

Seventeen air samples including two field duplicate sample pairs were collected by Tetra Tech, Inc., at the Lockheed Martin Great Neck site on February 6, 2016. The samples were sent to Pace Analytical Services, Inc. in Minneapolis, Minnesota. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation was conducted using USEPA Region II Standard Operating Procedure (SOP) HW-31, June 2014, Revision 6.

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- Data Completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- Initial/Continuing Calibrations
- Laboratory Method Blank Results
- Internal Standard Results
- Laboratory Control Sample Results
- Field Duplicate Precision
- * ● Compound Identification/Quantitation
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 10337995

Sample ID	Lab ID	Date Collected	Test Requested
VP-1_10_20160206	10337995002	2/6/2016	VOCs
VP-1_20_20160206	10337995003	2/6/2016	VOCs
VP-1_30_20160206	10337995004	2/6/2016	VOCs
VP-1_5_20160206	10337995001	2/6/2016	VOCs
VP-2_10_20160206	10337995006	2/6/2016	VOCs
VP-2_20_20160206	10337995007	2/6/2016	VOCs
VP-2_30_20160206	10337995008	2/6/2016	VOCs
VP-2_5_20160206	10337995005	2/6/2016	VOCs
VP-5_10_20160206	10337995009	2/6/2016	VOCs
VP-5_20_20160206	10337995010	2/6/2016	VOCs
VP-5_20_20160206DUP	10337995011	2/6/2016	VOCs
VP-5_30_20160206	10337995012	2/6/2016	VOCs
VP-6_10_20160206	10337995014	2/6/2016	VOCs
VP-6_20_20160206	10337995015	2/6/2016	VOCs
VP-6_30_20160206	10337995016	2/6/2016	VOCs
VP-6_30_20160206DUP	10337995017	2/6/2016	VOCs
VP-6_5_20160206	10337995013	2/6/2016	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

The results for compound 1,1,2-trichlorotrifluoroethane was missing from this report. The laboratory was contacted and confirmed the results were missing and would be provided. The results were manually added to the database.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- All project samples were properly preserved and analyzed within the required hold time for VOC analyses.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- The initial calibration performed on 3/2/2016 on instrument 10AIR0 had a Relative Percent Standard Deviation (%RSD) which exceeded the 30% quality control limit for pentafluoroethyl chloride (chloropentafluoroethane). All samples were affected. Only non-detected results were reported for this compound in the affected samples and these non-detects were qualified as estimated, "UJ".
- The continuing calibration performed on 3/2/2016 @ 10:45 on instrument 10AIR0 had a Percent Difference (%D) for pentafluoroethyl chloride which exceeded the 30% quality control limit. All samples were affected. The non-detected results were reported for these compounds in the affected samples were qualified as estimated, "UJ".
- All initial and continuing calibration Relative Response Factors (RRFs) were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set. However, as stated by the laboratory, detected results reported for the common laboratory contaminant, methylene chloride, should be considered with high bias because the organic solvent vapor extraction laboratory is in the same building. The detected methylene chloride results reported for the samples in this DUSR were qualified as biased high, estimated, (J+).

Internal Standards Area Performance:

- The internal standard area counts for 1,4-difluorobenzene and chlorobenzene-d5 were below the 60% quality control limit for samples all of the samples analyzed on instrument 10AIR0 on 3/2/2016. The non-detected results reported for the associated target compounds, pentafluoroethyl chloride, 1,1,-dichloro-2,2,2-trifluoroethane (Freon 123), 1,2-dibromo-3-chloropropane, 1,1-difluoroethane, and methyl acetate, were qualified as estimated, (UJ).

Laboratory Control Spike (LCS) Results:

- The Percent Recovery (%R) for pentafluoroethyl chloride was below the lower quality control limit in the LCS. The non-detected results reported for pentafluoroethyl chloride in the affected samples were qualified as estimated, (UJ).
- The remaining LCS results were within the quality control limits.

Field Duplicate Precision: Field duplicates are collected to provide information on sampling precision.

- VP-5_20_20160206 was collected as a field duplicate sample of VP-5_20_20160206 DUP. The difference between the detected and/or non-detected results for chlorodifluoromethane and methylene chloride results exceeded 2X the Reporting Limit (RL). The detected and non-detected results reported for these compounds in the field duplicate pair were qualified as estimated, (J) and (UJ), respectively, due to field duplicate imprecision. The remaining results associated with this field duplicate sample pair fell within quality control limits.
- VP-6_30_20160206 was collected as a field duplicate sample of VP-6_30_20160206DUP. The associated results with this field duplicate sample pair fell within quality control limits.

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Detection Limits: Non-detected results were reported to the RL. All samples were initially analyzed at dilutions ranging from 1.44X to 1.75X, resulting in slightly elevated reporting limits. Sample VP-2_10_20160206 was further diluted to report results for cis-1,2-dichloroethene and tetrachloroethene which exceeded the calibration range of the instrument in the initial analyses.

Additional Comments: All sample canisters contained an initial vacuum of approximately -28 to -30 psig and finished at -6 to -8.5 psig.

4.0 CONCLUSIONS

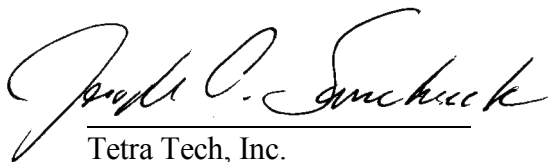
The detected results for methylene chloride should be considered a probable laboratory contaminant because of the following:

- The samples were analyzed in the same building as the organic solvent vapor extraction laboratory.

With the exception of the aforementioned detected methylene chloride results, which are considered to be related to lab contamination, overall data quality as summarized in the DUSR is acceptable based on the outcome of data validation.



Tetra Tech, Inc.
Michelle L. Allen
Chemist/Data Validator



Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

June 13, 2016

Attachments:

Appendix A – Qualified Analytical Results

Appendix B – Results as Reported by the Laboratory

Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $<$ CRQL for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $>40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $<30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-1_10_20160206			VP-1_20_20160206			VP-1_30_20160206			VP-1_5_20160206		
	LAB_ID	10337995002			10337995003			10337995004			10337995001		
	SAMP_DATE	2/6/2016			2/6/2016			2/6/2016			2/6/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9 U			1.7 U			1.9 U			19.9		
1,1,2,2-TETRACHLOROETHANE		1.2 U			1.1 U			1.2 U			1.1 U		
1,1,2-TRICHLOROETHANE		0.92 U			0.85 U			0.92 U			0.89 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		2.7 U			2.5 U			2.7 U			2.6 U		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		16.2 UJ	N		15 UJ	N		16.2 UJ	N		15.6 UJ	N	
1,1-DICHLOROETHANE		1.4 U			1.3 U			1.4 U			1.3 U		
1,1-DICHLOROETHENE		1.4 U			1.3 U			1.4 U			1.3 U		
1,1-DIFLUOROETHANE		7 UJ	N		6.5 UJ	N		7 UJ	N		6.7 UJ	N	
1,2,4-TRICHLOROBENZENE		6.3 U			5.8 U			6.3 U			6.1 U		
1,2,4-TRIMETHYLBENZENE		1.7 U			1.5 U			1.7 U			1.6 U		
1,2-DIBROMO-3-CHLOROPROPANE		25.1 UJ	N		23.1 UJ	N		25.1 UJ	N		24 UJ	N	
1,2-DIBROMOETHANE		2.6 U			2.4 U			2.6 U			2.5 U		
1,2-DICHLOROBENZENE		2 U			1.9 U			2 U			2 U		
1,2-DICHLOROETHANE		0.69 U			0.64 U			0.69 U			0.66 U		
1,2-DICHLOROPROPANE		1.6 U			1.5 U			1.6 U			1.5 U		
1,2-DICHLOROTETRAFLUOROETHANE		2.4 U			2.2 U			2.4 U			2.3 U		
1,3,5-TRIMETHYLBENZENE		1.7 U			1.5 U			1.7 U			1.6 U		
1,3-BUTADIENE		0.76 U			0.7 U			0.76 U			0.72 U		
1,3-DICHLOROBENZENE		2 U			1.9 U			2 U			2 U		
1,4-DICHLOROBENZENE		2 U			1.9 U			2 U			2 U		
1,4-DIOXANE		6.1 U			5.7 U			6.1 U			5.9 U		
1-ETHYL-4-METHYL BENZENE		1.7 U			1.6 U			1.7 U			1.6 U		
2-BUTANONE		5 U			4.6 U			5 U			4.8 U		
2-HEXANONE		7 U			6.5 U			7 U			6.7 U		
3-CHLOROPROPENE		2.7 U			2.5 U			2.7 U			2.6 U		
4-METHYL-2-PENTANONE		7 U			6.5 U			7 U			6.7 U		
ACETONE		6.8			3.7 U			11.7			7.8		
BENZENE		0.55 U			0.5 U			1.6			0.52 U		
BROMODICHLOROMETHANE		2.3 U			2.1 U			2.3 U			2.2 U		
BROMOFORM		17.7 U			16.3 U			17.7 U			16.9 U		
BROMOMETHANE		1.3 U			1.2 U			1.3 U			1.3 U		
CARBON DISULFIDE		1.1 U			0.98 U			1.1 U			1 U		
CARBON TETRACHLORIDE		1.1 U			0.99 U			1.1 U			1 U		
CHLOROBENZENE		1.6 U			1.5 U			1.6 U			1.5 U		
CHLORODIBROMOMETHANE		2.9 U			2.7 U			2.9 U			2.8 U		

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-2_10_20160206			VP-2_20_20160206			VP-2_30_20160206			VP-2_5_20160206		
	LAB_ID	10337995006			10337995007			10337995008			10337995005		
	SAMP_DATE	2/6/2016			2/6/2016			2/6/2016			2/6/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		4.8			2.1			1.9	U		4.3		
1,1,2,2-TETRACHLOROETHANE		1.1	U		1.2	U		1.2	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.85	U		0.96	U		0.92	U		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.5	U		2.8	U		25.8			2.7	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		9.9	UJ	N	22.7	UJ	N	16.2	UJ	N	16.2	UJ	N
1,1-DICHLOROETHANE		4			1.4	U		1.4	U		1.4	U	
1,1-DICHLOROETHENE		7			1.4	U		1.4	U		1.4	U	
1,1-DIFLUOROETHANE		4.2	UJ	N	9.8	UJ	N	7	UJ	N	7	UJ	N
1,2,4-TRICHLOROBENZENE		5.8	U		6.6	U		6.3	U		6.3	U	
1,2,4-TRIMETHYLBENZENE		1.5	U		1.7	U		1.7	U		1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		15.2	UJ	N	35	UJ	N	25.1	UJ	N	25.1	UJ	N
1,2-DIBROMOETHANE		2.4	U		2.7	U		2.6	U		2.6	U	
1,2-DICHLOROBENZENE		1.9	U		2.1	U		2	U		2	U	
1,2-DICHLOROETHANE		0.64	U		0.72	U		0.69	U		0.69	U	
1,2-DICHLOROPROPANE		1.5	U		1.6	U		1.6	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.2	U		2.5	U		2.4	U		2.4	U	
1,3,5-TRIMETHYLBENZENE		1.5	U		1.7	U		1.7	U		1.7	U	
1,3-BUTADIENE		0.7	U		0.79	U		0.76	U		0.76	U	
1,3-DICHLOROBENZENE		1.9	U		2.1	U		2	U		2	U	
1,4-DICHLOROBENZENE		1.9	U		2.1	U		2	U		2	U	
1,4-DIOXANE		5.7	U		6.4	U		6.1	U		6.1	U	
1-ETHYL-4-METHYL BENZENE		1.6	U		1.8	U		1.7	U		1.7	U	
2-BUTANONE		4.6	U		5.2	U		5	U		5	U	
2-HEXANONE		6.5	U		7.3	U		7	U		7	U	
3-CHLOROPROPENE		2.5	U		2.8	U		2.7	U		2.7	U	
4-METHYL-2-PENTANONE		6.5	U		7.3	U		7	U		7	U	
ACETONE		64.1			15.2			14.5			4.4		
BENZENE		0.5	U		0.7			0.79			0.55	U	
BROMODICHLOROMETHANE		2.1	U		2.4	U		2.3	U		2.3	U	
BROMOFORM		16.3	U		18.4	U		17.7	U		17.7	U	
BROMOMETHANE		1.2	U		1.4	U		1.3	U		1.3	U	
CARBON DISULFIDE		0.98	U		1.1	U		1.1	U		1.1	U	
CARBON TETRACHLORIDE		0.99	U		1.1	U		1.1	U		1.1	U	
CHLOROBENZENE		1.5	U		1.6	U		1.6	U		1.6	U	
CHLORODIBROMOMETHANE		2.7	U		3	U		2.9	U		2.9	U	

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-5_10_20160206			VP-5_20_20160206			VP-5_20_20160206DUP					
	LAB_ID	10337995009			10337995010			10337995011					
	SAMP_DATE	2/6/2016			2/6/2016			2/6/2016					
	QC_TYPE	NM			NM			NM					
	UNITS	UG/M3			UG/M3			UG/M3					
	PCT_SOLIDS												
	DUP_OF										VP-5_20_20160206		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.6	U		1.9	U					1.9	U	
1,1,2,2-TETRACHLOROETHANE		1	U		1.2	U					1.2	U	
1,1,2-TRICHLOROETHANE		0.79	U		0.92	U					0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.3	U		2.7	U		2.7	U				
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		13.9	UJ	N	16.2	UJ	N				16.2	UJ	N
1,1-DICHLOROETHANE		1.2	U		1.4	U					1.4	U	
1,1-DICHLOROETHENE		1.2	U		1.4	U					1.4	U	
1,1-DIFLUOROETHANE		6	UJ	N	7	UJ	N				7	UJ	N
1,2,4-TRICHLOROBENZENE		5.4	U		6.3	U					6.3	U	
1,2,4-TRIMETHYLBENZENE		1.4	U		1.7	U					1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		21.5	UJ	N	25.1	UJ	N				25.1	UJ	N
1,2-DIBROMOETHANE		2.2	U		2.6	U					2.6	U	
1,2-DICHLOROBENZENE		1.8	U		2	U					2	U	
1,2-DICHLOROETHANE		0.59	U		0.69	U					0.69	U	
1,2-DICHLOROPROPANE		1.4	U		1.6	U					1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2	U		2.4	U					2.4	U	
1,3,5-TRIMETHYLBENZENE		1.4	U		1.7	U					1.7	U	
1,3-BUTADIENE		0.65	U		0.76	U					0.76	U	
1,3-DICHLOROBENZENE		1.8	U		2	U					2	U	
1,4-DICHLOROBENZENE		1.8	U		2	U					2	U	
1,4-DIOXANE		5.3	U		6.1	U					6.1	U	
1-ETHYL-4-METHYL BENZENE		1.4	U		1.7	U					1.7	U	
2-BUTANONE		4.3	U		5	U					5	U	
2-HEXANONE		6	U		7	U					7	U	
3-CHLOROPROPENE		2.3	U		2.7	U					2.7	U	
4-METHYL-2-PENTANONE		6	U		7	U					7	U	
ACETONE		5.7			8.7						11.3		
BENZENE		0.47	U		0.55	U					0.55	U	
BROMODICHLOROMETHANE		2	U		2.3	U					2.3	U	
BROMOFORM		15.1	U		17.7	U					17.7	U	
BROMOMETHANE		1.1	U		1.3	U					1.3	U	
CARBON DISULFIDE		0.91	U		1.1	U					1.1	U	
CARBON TETRACHLORIDE		0.92	U		1.1	U					1.1	U	
CHLOROBENZENE		1.4	U		1.6	U					1.6	U	
CHLORODIBROMOMETHANE		2.5	U		2.9	U					2.9	U	

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-5_30_20160206			VP-6_10_20160206			VP-6_20_20160206			VP-6_30_20160206		
	LAB_ID	10337995012			10337995014			10337995015			10337995016		
	SAMP_DATE	2/6/2016			2/6/2016			2/6/2016			2/6/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.8 U			1.8 U			1.8 U			1.8 U		
1,1,2,2-TETRACHLOROETHANE		1.1 U			1.1 U			1.1 U			1.1 U		
1,1,2-TRICHLOROETHANE		0.89 U			0.89 U			0.89 U			0.89 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		2.6 U			2.6 U			2.6 U			2.6 U		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		15.6 UJ	N		15.6 UJ	N		15.6 UJ	N		15.6 UJ	N	
1,1-DICHLOROETHANE		1.3 U			1.3 U			1.3 U			1.3 U		
1,1-DICHLOROETHENE		1.3 U			1.3 U			1.3 U			1.3 U		
1,1-DIFLUOROETHANE		6.7 UJ	N		6.7 UJ	N		6.7 UJ	N		6.7 UJ	N	
1,2,4-TRICHLOROBENZENE		6.1 U			6.1 U			6.1 U			6.1 U		
1,2,4-TRIMETHYLBENZENE		1.6 U			1.6 U			1.6 U			1.6 U		
1,2-DIBROMO-3-CHLOROPROPANE		24 UJ	N		24 UJ	N		24 UJ	N		24 UJ	N	
1,2-DIBROMOETHANE		2.5 U			2.5 U			2.5 U			2.5 U		
1,2-DICHLOROBENZENE		2 U			2 U			2 U			2 U		
1,2-DICHLOROETHANE		0.66 U			0.66 U			0.66 U			0.66 U		
1,2-DICHLOROPROPANE		1.5 U			1.5 U			1.5 U			1.5 U		
1,2-DICHLOROTETRAFLUOROETHANE		2.3 U			2.3 U			2.3 U			2.3 U		
1,3,5-TRIMETHYLBENZENE		1.6 U			1.6 U			1.6 U			1.6 U		
1,3-BUTADIENE		0.72 U			0.72 U			0.72 U			0.72 U		
1,3-DICHLOROBENZENE		2 U			2 U			2 U			2 U		
1,4-DICHLOROBENZENE		2 U			2 U			2 U			2 U		
1,4-DIOXANE		5.9 U			5.9 U			5.9 U			5.9 U		
1-ETHYL-4-METHYL BENZENE		1.6 U			1.6 U			1.6 U			1.6 U		
2-BUTANONE		4.8 U			4.8 U			4.8 U			4.8 U		
2-HEXANONE		6.7 U			6.7 U			6.7 U			6.7 U		
3-CHLOROPROPENE		2.6 U			2.6 U			2.6 U			2.6 U		
4-METHYL-2-PENTANONE		6.7 U			6.7 U			6.7 U			6.7 U		
ACETONE		14			3.9 U			3.9 U			3.9 U		
BENZENE		0.67			0.52 U			0.96			0.52 U		
BROMODICHLOROMETHANE		2.2 U			2.2 U			2.2 U			2.2 U		
BROMOFORM		16.9 U			16.9 U			16.9 U			16.9 U		
BROMOMETHANE		1.3 U			1.3 U			1.3 U			1.3 U		
CARBON DISULFIDE		1 U			1 U			1 U			1 U		
CARBON TETRACHLORIDE		1 U			1 U			1 U			1 U		
CHLOROBENZENE		1.5 U			1.5 U			1.5 U			1.5 U		
CHLORODIBROMOMETHANE		2.8 U			2.8 U			2.8 U			2.8 U		

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-6_30_20160206DUP						VP-6_5_20160206		
	LAB_ID	10337995017						10337995013		
	SAMP_DATE	2/6/2016						2/6/2016		
	QC_TYPE	NM						NM		
	UNITS	UG/M3						UG/M3		
	PCT_SOLIDS									
	DUP_OF					VP-6_30_20160206				
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.7	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE					1	U		1.2	U	
1,1,2-TRICHLOROETHANE					0.82	U		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.4	U					2.7	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					14.4	UJ	N	16.2	UJ	N
1,1-DICHLOROETHANE					1.2	U		1.4	U	
1,1-DICHLOROETHENE					1.2	U		1.4	U	
1,1-DIFLUOROETHANE					6.2	UJ	N	7	UJ	N
1,2,4-TRICHLOROBENZENE					5.6	U		6.3	U	
1,2,4-TRIMETHYLBENZENE					1.5	U		1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE					22.2	UJ	N	25.1	UJ	N
1,2-DIBROMOETHANE					2.3	U		2.6	U	
1,2-DICHLOROBENZENE					1.8	U		2	U	
1,2-DICHLOROETHANE					0.61	U		0.69	U	
1,2-DICHLOROPROPANE					1.4	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE					2.1	U		2.4	U	
1,3,5-TRIMETHYLBENZENE					1.5	U		1.7	U	
1,3-BUTADIENE					0.67	U		0.76	U	
1,3-DICHLOROBENZENE					1.8	U		2	U	
1,4-DICHLOROBENZENE					1.8	U		2	U	
1,4-DIOXANE					5.5	U		6.1	U	
1-ETHYL-4-METHYL BENZENE					1.5	U		1.7	U	
2-BUTANONE					4.5	U		5	U	
2-HEXANONE					6.2	U		7	U	
3-CHLOROPROPENE					2.4	U		2.7	U	
4-METHYL-2-PENTANONE					6.2	U		7	U	
ACETONE					3.6	U		11.5		
BENZENE					0.48	U		0.59		
BROMODICHLOROMETHANE					2	U		2.3	U	
BROMOFORM					15.7	U		17.7	U	
BROMOMETHANE					1.2	U		1.3	U	
CARBON DISULFIDE					0.94	U		1.1	U	
CARBON TETRACHLORIDE					0.95	U		1.1	U	
CHLOROBENZENE					1.4	U		1.6	U	
CHLORODIBROMOMETHANE					2.6	U		2.9	U	

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-1_10_20160206			VP-1_20_20160206			VP-1_30_20160206			VP-1_5_20160206		
	LAB_ID	10337995002			10337995003			10337995004			10337995001		
	SAMP_DATE	2/6/2016			2/6/2016			2/6/2016			2/6/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		10.6			2			3.5			2.2		
CHLOROETHANE		0.91	U		0.84	U		0.91	U		0.87	U	
CHLOROFORM		0.83	U		2.1			0.83	U		0.8	U	
CHLOROMETHANE		0.71	U		0.65	U		0.86			0.93		
CIS-1,2-DICHLOROETHENE		1.4	U		1.3	U		1.4	U		1.3	U	
CIS-1,3-DICHLOROPROPENE		1.5	U		1.4	U		1.5	U		1.5	U	
CYCLOHEXANE		1.2	U		1.1	U		1.2			1.1	U	
DICHLORODIFLUOROMETHANE		2.1			3.7			2.1			2		
ETHYLBENZENE		1.5	U		1.4	U		1.5	U		1.4	U	
HEXACHLOROBUTADIENE		3.7	U		3.4	U		3.7	U		3.5	U	
HEXANE		2.9			1.1	U		2.5			1.2	U	
ISOPROPANOL		4.2	U		3.9	U		4.2	U		4	U	
ISOPROPYLBENZENE		4.2	U		3.9	U		4.2	U		4	U	
M+P-XYLENES		3	U		2.7	U		3.4			2.8	U	
METHYL ACETATE		7.9	UJ	N	7.3	UJ	N	7.9	UJ	N	7.5	UJ	N
METHYL CYCLOHEXANE		1.4	U		1.3	U		1.4	U		1.3	U	
METHYL TERT-BUTYL ETHER		6.2	U		5.7	U		6.2	U		5.9	U	
METHYLENE CHLORIDE		10	J+	A	5.5	U		5.9	U		5.7	U	
O-XYLENE		1.5	U		1.4	U		1.5	U		1.4	U	
PENTAFLUOROETHYL CHLORIDE		16.4	UJ	CNE	15.1	UJ	CNE	16.4	UJ	CNE	15.7	UJ	CNE
STYRENE		1.5	U		1.3	U		1.5	U		1.4	U	
TETRACHLOROETHENE		1.2	U		9.1			1.2	U		1.1	U	
TOLUENE		1.7			1.2	U		3			1.2	U	
TRANS-1,2-DICHLOROETHENE		1.4	U		1.3	U		1.4	U		1.3	U	
TRANS-1,3-DICHLOROPROPENE		1.5	U		1.4	U		1.5	U		1.5	U	
TRICHLOROETHENE		3.9			52.5			0.92	U		8.9		
TRICHLOROFLUOROMETHANE		1.9	U		6.4			1.9	U		1.8	U	
VINYL CHLORIDE		0.44	U		0.4	U		0.44	U		0.42	U	

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-2_10_20160206			VP-2_20_20160206			VP-2_30_20160206			VP-2_5_20160206		
	LAB_ID	10337995006			10337995007			10337995008			10337995005		
	SAMP_DATE	2/6/2016			2/6/2016			2/6/2016			2/6/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		2.3			47.7			56.1			1.7		
CHLOROETHANE		0.84	U		0.94	U		0.91	U		0.91	U	
CHLOROFORM		2			2.1			1.5			1.3		
CHLOROMETHANE		0.65	U		0.74	U		1			0.71	U	
CIS-1,2-DICHLOROETHENE		1650			26.2			32.2			1.5		
CIS-1,3-DICHLOROPROPENE		1.4	U		1.6	U		1.5	U		1.5	U	
CYCLOHEXANE		1.1	U		1.2	U		1.2	U		1.2	U	
DICHLORODIFLUOROMETHANE		2.1			2.9			3			1.7		
ETHYLBENZENE		1.4	U		1.5	U		1.5	U		1.5	U	
HEXACHLOROBUTADIENE		3.4	U		3.8	U		3.7	U		3.7	U	
HEXANE		1.1	U		4.2			4.6			1.2	U	
ISOPROPANOL		3.9	U		4.4	U		4.2	U		4.2	U	
ISOPROPYLBENZENE		3.9	U		4.4	U		4.2	U		4.2	U	
M+P-XYLENES		2.7	U		3.1	U		3	U		3	U	
METHYL ACETATE		4.8	UJ	N	11	UJ	N	7.9	UJ	N	7.9	UJ	N
METHYL CYCLOHEXANE		1.3	U		1.4	U		1.4	U		1.4	U	
METHYL TERT-BUTYL ETHER		5.7	U		6.4	U		6.2	U		6.2	U	
METHYLENE CHLORIDE		5.5	U		43.9	J+	A	46	J+	A	5.9	U	
O-XYLENE		1.4	U		1.5	U		1.5	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		10	UJ	CNE	22.9	UJ	CNE	16.4	UJ	CNE	16.4	UJ	CNE
STYRENE		1.3	U		1.5	U		1.5	U		1.5	U	
TETRACHLOROETHENE		1520			170			178			179		
TOLUENE		2.1			5.6			5.8			1.3	U	
TRANS-1,2-DICHLOROETHENE		1.3	U		1.4	U		1.4	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.4	U		1.6	U		1.5	U		1.5	U	
TRICHLOROETHENE		166			78.4			148			11.2		
TRICHLOROFLUOROMETHANE		1.8	U		2			2			1.9	U	
VINYL CHLORIDE		0.59			0.46	U		0.44	U		0.44	U	

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-5_10_20160206			VP-5_20_20160206			VP-5_20_20160206DUP					
	LAB_ID	10337995009			10337995010			10337995011					
	SAMP_DATE	2/6/2016			2/6/2016			2/6/2016					
	QC_TYPE	NM			NM			NM					
	UNITS	UG/M3			UG/M3			UG/M3					
	PCT_SOLIDS												
	DUP_OF										VP-5_20_20160206		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		3.9			1.8	J	G				32.2	J	G
CHLOROETHANE		0.78	U		0.91	U					0.91	U	
CHLOROFORM		0.71	U		1.3						1		
CHLOROMETHANE		0.6	U		0.71	U					0.71	U	
CIS-1,2-DICHLOROETHENE		1.2	U		1.4	U					1.4	U	
CIS-1,3-DICHLOROPROPENE		1.3	U		1.5	U					1.5	U	
CYCLOHEXANE		1	U		1.2	U					1.2	U	
DICHLORODIFLUOROMETHANE		3.2			10.3						7		
ETHYLBENZENE		1.3	U		1.5	U					1.5	U	
HEXACHLOROBUTADIENE		3.2	U		3.7	U					3.7	U	
HEXANE		2.4			1.2	U					2.6		
ISOPROPANOL		3.6	U		4.2	U					4.2	U	
ISOPROPYLBENZENE		3.6	U		4.2	U					4.2	U	
M+P-XYLENES		2.5	U		3	U					3	U	
METHYL ACETATE		6.7	UJ	N	7.9	UJ	N				7.9	UJ	N
METHYL CYCLOHEXANE		1.2	U		1.4	U					1.4	U	
METHYL TERT-BUTYL ETHER		5.3	U		6.2	U					6.2	U	
METHYLENE CHLORIDE		37.8	J+	A	5.9	UJ	G				29.3	J+	AG
O-XYLENE		1.3	U		1.5	U					1.5	U	
PENTAFLUOROETHYL CHLORIDE		14.1	UJ	CNE	16.4	UJ	CNE				16.4	UJ	CNE
STYRENE		1.3	U		1.5	U					1.5	U	
TETRACHLOROETHENE		66.4			103						72.4		
TOLUENE		1.2			1.3	U					3.2		
TRANS-1,2-DICHLOROETHENE		1.2	U		1.4	U					1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.3	U		1.5	U					1.5	U	
TRICHLOROETHENE		0.79	U		91.2						65.8		
TRICHLOROFLUOROMETHANE		1.6	U		2.5						2.5		
VINYL CHLORIDE		0.37	U		0.44	U					0.44	U	

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-5_30_20160206			VP-6_10_20160206			VP-6_20_20160206			VP-6_30_20160206		
	LAB_ID	10337995012			10337995014			10337995015			10337995016		
	SAMP_DATE	2/6/2016			2/6/2016			2/6/2016			2/6/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		48.3			1.6			1.4			2.3		
CHLOROETHANE		0.87	U		0.87	U		0.87	U		0.87	U	
CHLOROFORM		1			0.8	U		0.8	U		0.8		
CHLOROMETHANE		0.98			0.68	U		0.68	U		0.68	U	
CIS-1,2-DICHLOROETHENE		1.3	U		1.3	U		1.3	U		1.3	U	
CIS-1,3-DICHLOROPROPENE		1.5	U		1.5	U		1.5	U		1.5	U	
CYCLOHEXANE		1.1	U		6.9			1.1	U		1.1	U	
DICHLORODIFLUOROMETHANE		9.3			1.6	U		2.1			2.1		
ETHYLBENZENE		1.4	U		1.4	U		1.4	U		1.4	U	
HEXACHLOROBUTADIENE		3.5	U		3.5	U		3.5	U		3.5	U	
HEXANE		4.2			8.2			1.2	U		1.2	U	
ISOPROPANOL		4	U		4	U		4	U		4	U	
ISOPROPYLBENZENE		4	U		4	U		4	U		4	U	
M+P-XYLENES		2.8	U		2.8	U		2.8	U		2.8	U	
METHYL ACETATE		7.5	UJ	N	7.5	UJ	N	7.5	UJ	N	7.5	UJ	N
METHYL CYCLOHEXANE		1.3	U		5			1.3	U		1.3	U	
METHYL TERT-BUTYL ETHER		5.9	U		5.9	U		5.9	U		5.9	U	
METHYLENE CHLORIDE		39.4	J+	A	5.7	U		5.7	U		5.7	U	
O-XYLENE		1.4	U		1.4	U		1.4	U		1.4	U	
PENTAFLUOROETHYL CHLORIDE		15.7	UJ	CNE	15.7	UJ	CNE	15.7	UJ	CNE	15.7	UJ	CNE
STYRENE		1.4	U		1.4	U		1.4	U		1.4	U	
TETRACHLOROETHENE		77.1			14			67.2			94.7		
TOLUENE		4.8			1.5			1.2	U		1.2	U	
TRANS-1,2-DICHLOROETHENE		1.3	U		1.3	U		1.3	U		1.3	U	
TRANS-1,3-DICHLOROPROPENE		1.5	U		1.5	U		1.5	U		1.5	U	
TRICHLOROETHENE		70.9			0.89	U		5.2			22.5		
TRICHLOROFLUOROMETHANE		2.6			1.8	U		1.8	U		1.8	U	
VINYL CHLORIDE		0.42	U		0.42	U		0.42	U		0.42	U	

PROJ_NO: 07792 SDG: 10337995 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-6_30_20160206DUP						VP-6_5_20160206		
	LAB_ID	10337995017						10337995013		
	SAMP_DATE	2/6/2016						2/6/2016		
	QC_TYPE	NM						NM		
	UNITS	UG/M3						UG/M3		
	PCT_SOLIDS									
	DUP_OF					VP-6_30_20160206				
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
CHLORODIFLUOROMETHANE				1.8			35.9			
CHLOROETHANE				0.8	U		0.91	U		
CHLOROFORM				0.86			0.83	U		
CHLOROMETHANE				0.63	U		0.71	U		
CIS-1,2-DICHLOROETHENE				1.3			1.4	U		
CIS-1,3-DICHLOROPROPENE				1.4	U		1.5	U		
CYCLOHEXANE				1	U		1.2	U		
DICHLORODIFLUOROMETHANE				2.2			2.7			
ETHYLBENZENE				1.3	U		1.5	U		
HEXACHLOROBUTADIENE				3.3	U		3.7	U		
HEXANE				1.1	U		2.8			
ISOPROPANOL				3.7	U		4.2	U		
ISOPROPYLBENZENE				3.7	U		4.2	U		
M+P-XYLENES				2.6	U		3	U		
METHYL ACETATE				7	UJ	N	7.9	UJ	N	
METHYL CYCLOHEXANE				1.2	U		1.4	U		
METHYL TERT-BUTYL ETHER				5.5	U		6.2	U		
METHYLENE CHLORIDE				5.3	U		33.6	J+	A	
O-XYLENE				1.3	U		1.5	U		
PENTAFLUOROETHYL CHLORIDE				14.5	UJ	CNE	16.4	UJ	CNE	
STYRENE				1.3	U		1.5	U		
TETRACHLOROETHENE				95.8			14.6			
TOLUENE				1.1	U		3.9			
TRANS-1,2-DICHLOROETHENE				1.2	U		1.4	U		
TRANS-1,3-DICHLOROPROPENE				1.4	U		1.5	U		
TRICHLOROETHENE				22.4			1.2			
TRICHLOROFLUOROMETHANE				1.7	U		1.9	U		
VINYL CHLORIDE				0.39	U		0.44	U		

Appendix B

Results as Reported by the Laboratory

ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-1_5_20160206		Lab ID: 10337995001		Collected: 02/06/16 11:37		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	6.7	4.89		03/04/16 19:43	75-37-6		
Acetone	7.8	ug/m3	3.9	1.61		02/14/16 15:09	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		02/14/16 15:09	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		02/14/16 15:09	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		02/14/16 15:09	75-27-4		
Bromoform	ND	ug/m3	16.9	1.61		02/14/16 15:09	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		02/14/16 15:09	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		02/14/16 15:09	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		02/14/16 15:09	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		02/14/16 15:09	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		02/14/16 15:09	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		02/14/16 15:09	108-90-7		
Chlorodifluoromethane	2.2	ug/m3	1.2	1.61		02/14/16 15:09	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		02/14/16 15:09	75-00-3		
Chloroform	ND	ug/m3	0.80	1.61		02/14/16 15:09	67-66-3		
Chloromethane	0.93	ug/m3	0.68	1.61		02/14/16 15:09	74-87-3		
Chloropentafluoroethane	ND	ug/m3	15.7	4.89		03/04/16 19:43	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.1	1.61		02/14/16 15:09	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	24.0	4.89		03/04/16 19:43	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.8	1.61		02/14/16 15:09	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		02/14/16 15:09	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 15:09	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 15:09	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 15:09	106-46-7		
Dichlorodifluoromethane	2.0	ug/m3	1.6	1.61		02/14/16 15:09	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		02/14/16 15:09	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		02/14/16 15:09	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 15:09	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 15:09	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 15:09	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		02/14/16 15:09	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 15:09	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 15:09	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		02/14/16 15:09	76-14-2		
Freon 123	ND	ug/m3	15.6	4.89		03/04/16 19:43	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		02/14/16 15:09	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		02/14/16 15:09	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		02/14/16 15:09	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		02/14/16 15:09	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		02/14/16 15:09	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		02/14/16 15:09	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		02/14/16 15:09	98-82-8		
Methyl acetate	ND	ug/m3	7.5	4.89		03/04/16 19:43	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		02/14/16 15:09	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		02/14/16 15:09	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		02/14/16 15:09	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-1_5_20160206		Lab ID: 10337995001		Collected: 02/06/16 11:37		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		02/14/16 15:09	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		02/14/16 15:09	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		02/14/16 15:09	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		02/14/16 15:09	79-34-5		
Tetrachloroethene	ND	ug/m3	1.1	1.61		02/14/16 15:09	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		02/14/16 15:09	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.1	1.61		02/14/16 15:09	120-82-1		
1,1,1-Trichloroethane	19.9	ug/m3	1.8	1.61		02/14/16 15:09	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		02/14/16 15:09	79-00-5		
Trichloroethene	8.9	ug/m3	0.89	1.61		02/14/16 15:09	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		02/14/16 15:09	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		02/14/16 15:09	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 15:09	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 15:09	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		02/14/16 15:09	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		02/14/16 15:09	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		02/14/16 15:09	95-47-6		

Sample: VP-1_10_20160206		Lab ID: 10337995002		Collected: 02/06/16 11:12		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	7.0	5.11		03/04/16 16:30	75-37-6		
Acetone	6.8	ug/m3	4.1	1.68		02/14/16 16:04	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		02/14/16 16:04	107-05-1		
Benzene	ND	ug/m3	0.55	1.68		02/14/16 16:04	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 16:04	75-27-4		
Bromoform	ND	ug/m3	17.7	1.68		02/14/16 16:04	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 16:04	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 16:04	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 16:04	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		02/14/16 16:04	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		02/14/16 16:04	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 16:04	108-90-7		
Chlorodifluoromethane	10.6	ug/m3	1.2	1.68		02/14/16 16:04	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 16:04	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		02/14/16 16:04	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 16:04	74-87-3		
Chloropentafluoroethane	ND	ug/m3	16.4	5.11		03/04/16 16:30	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 16:04	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	25.1	5.11		03/04/16 16:30	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.9	1.68		02/14/16 16:04	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 16:04	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 16:04	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-1_10_20160206		Lab ID: 10337995002		Collected: 02/06/16 11:12		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 16:04	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 16:04	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.7	1.68		02/14/16 16:04	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 16:04	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 16:04	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 16:04	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 16:04	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 16:04	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 16:04	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 16:04	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 16:04	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 16:04	76-14-2		
Freon 123	ND	ug/m3	16.2	5.11		03/04/16 16:30	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 16:04	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 16:04	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		02/14/16 16:04	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		02/14/16 16:04	87-68-3		
n-Hexane	2.9	ug/m3	1.2	1.68		02/14/16 16:04	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		02/14/16 16:04	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 16:04	98-82-8		
Methyl acetate	ND	ug/m3	7.9	5.11		03/04/16 16:30	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		02/14/16 16:04	108-87-2		
Methylene Chloride	10	ug/m3	5.9	1.68		02/14/16 16:04	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 16:04	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 16:04	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 16:04	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 16:04	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 16:04	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.68		02/14/16 16:04	127-18-4		
Toluene	1.7	ug/m3	1.3	1.68		02/14/16 16:04	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		02/14/16 16:04	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 16:04	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 16:04	79-00-5		
Trichloroethene	3.9	ug/m3	0.92	1.68		02/14/16 16:04	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		02/14/16 16:04	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 16:04	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 16:04	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 16:04	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 16:04	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 16:04	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 16:04	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-1_20_20160206		Lab ID: 10337995003		Collected: 02/06/16 10:58		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	6.5	4.71		03/04/16 13:17	75-37-6	SS	
Acetone	ND	ug/m3	3.7	1.55		02/14/16 16:32	67-64-1		
Allyl chloride	ND	ug/m3	2.5	1.55		02/14/16 16:32	107-05-1		
Benzene	ND	ug/m3	0.50	1.55		02/14/16 16:32	71-43-2		
Bromodichloromethane	ND	ug/m3	2.1	1.55		02/14/16 16:32	75-27-4		
Bromoform	ND	ug/m3	16.3	1.55		02/14/16 16:32	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.55		02/14/16 16:32	74-83-9		
1,3-Butadiene	ND	ug/m3	0.70	1.55		02/14/16 16:32	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.6	1.55		02/14/16 16:32	78-93-3		
Carbon disulfide	ND	ug/m3	0.98	1.55		02/14/16 16:32	75-15-0		
Carbon tetrachloride	ND	ug/m3	0.99	1.55		02/14/16 16:32	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.55		02/14/16 16:32	108-90-7		
Chlorodifluoromethane	2.0	ug/m3	1.1	1.55		02/14/16 16:32	75-45-6		
Chloroethane	ND	ug/m3	0.84	1.55		02/14/16 16:32	75-00-3		
Chloroform	2.1	ug/m3	0.77	1.55		02/14/16 16:32	67-66-3		
Chloromethane	ND	ug/m3	0.65	1.55		02/14/16 16:32	74-87-3		
Chloropentafluoroethane	ND	ug/m3	15.1	4.71		03/04/16 13:17	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.1	1.55		02/14/16 16:32	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	23.1	4.71		03/04/16 13:17	96-12-8		
Dibromochloromethane	ND	ug/m3	2.7	1.55		02/14/16 16:32	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.4	1.55		02/14/16 16:32	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.55		02/14/16 16:32	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.55		02/14/16 16:32	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	1.9	1.55		02/14/16 16:32	106-46-7		
Dichlorodifluoromethane	3.7	ug/m3	1.6	1.55		02/14/16 16:32	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		02/14/16 16:32	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.64	1.55		02/14/16 16:32	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.55		02/14/16 16:32	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		02/14/16 16:32	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		02/14/16 16:32	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.55		02/14/16 16:32	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		02/14/16 16:32	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		02/14/16 16:32	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.55		02/14/16 16:32	76-14-2		
Freon 123	ND	ug/m3	15.0	4.71		03/04/16 13:17	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.7	1.55		02/14/16 16:32	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.55		02/14/16 16:32	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.55		02/14/16 16:32	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.55		02/14/16 16:32	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.55		02/14/16 16:32	110-54-3		
2-Hexanone	ND	ug/m3	6.5	1.55		02/14/16 16:32	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	3.9	1.55		02/14/16 16:32	98-82-8		
Methyl acetate	ND	ug/m3	7.3	4.71		03/04/16 13:17	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.55		02/14/16 16:32	108-87-2		
Methylene Chloride	ND	ug/m3	5.5	1.55		02/14/16 16:32	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.5	1.55		02/14/16 16:32	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-1_20_20160206		Lab ID: 10337995003		Collected: 02/06/16 10:58		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.55		02/14/16 16:32	1634-04-4		
2-Propanol	ND	ug/m3	3.9	1.55		02/14/16 16:32	67-63-0		
Styrene	ND	ug/m3	1.3	1.55		02/14/16 16:32	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.55		02/14/16 16:32	79-34-5		
Tetrachloroethene	9.1	ug/m3	1.1	1.55		02/14/16 16:32	127-18-4		
Toluene	ND	ug/m3	1.2	1.55		02/14/16 16:32	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.55		02/14/16 16:32	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		02/14/16 16:32	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.85	1.55		02/14/16 16:32	79-00-5		
Trichloroethene	52.5	ug/m3	0.85	1.55		02/14/16 16:32	79-01-6		
Trichlorofluoromethane	6.4	ug/m3	1.8	1.55		02/14/16 16:32	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.55		02/14/16 16:32	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.55		02/14/16 16:32	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.55		02/14/16 16:32	108-67-8		
Vinyl chloride	ND	ug/m3	0.40	1.55		02/14/16 16:32	75-01-4		
m&p-Xylene	ND	ug/m3	2.7	1.55		02/14/16 16:32	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.55		02/14/16 16:32	95-47-6		

Sample: VP-1_30_20160206		Lab ID: 10337995004		Collected: 02/06/16 10:52		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	7.0	5.11			03/04/16 20:45	75-37-6	
Acetone	11.7	ug/m3	4.1	1.68			02/14/16 16:59	67-64-1	
Allyl chloride	ND	ug/m3	2.7	1.68			02/14/16 16:59	107-05-1	
Benzene	1.6	ug/m3	0.55	1.68			02/14/16 16:59	71-43-2	
Bromodichloromethane	ND	ug/m3	2.3	1.68			02/14/16 16:59	75-27-4	
Bromoform	ND	ug/m3	17.7	1.68			02/14/16 16:59	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68			02/14/16 16:59	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68			02/14/16 16:59	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.0	1.68			02/14/16 16:59	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.68			02/14/16 16:59	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.68			02/14/16 16:59	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68			02/14/16 16:59	108-90-7	
Chlorodifluoromethane	3.5	ug/m3	1.2	1.68			02/14/16 16:59	75-45-6	
Chloroethane	ND	ug/m3	0.91	1.68			02/14/16 16:59	75-00-3	
Chloroform	ND	ug/m3	0.83	1.68			02/14/16 16:59	67-66-3	
Chloromethane	0.86	ug/m3	0.71	1.68			02/14/16 16:59	74-87-3	
Chloropentafluoroethane	ND	ug/m3	16.4	5.11			03/04/16 20:45	76-15-3	CL,IC, L2,SS
Cyclohexane	1.2	ug/m3	1.2	1.68			02/14/16 16:59	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	25.1	5.11			03/04/16 20:45	96-12-8	SS
Dibromochloromethane	ND	ug/m3	2.9	1.68			02/14/16 16:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68			02/14/16 16:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68			02/14/16 16:59	95-50-1	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-1_30_20160206		Lab ID: 10337995004		Collected: 02/06/16 10:52		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 16:59	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 16:59	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.7	1.68		02/14/16 16:59	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 16:59	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 16:59	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 16:59	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 16:59	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 16:59	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 16:59	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 16:59	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 16:59	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 16:59	76-14-2		
Freon 123	ND	ug/m3	16.2	5.11		03/04/16 20:45	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 16:59	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 16:59	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		02/14/16 16:59	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		02/14/16 16:59	87-68-3		
n-Hexane	2.5	ug/m3	1.2	1.68		02/14/16 16:59	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		02/14/16 16:59	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 16:59	98-82-8		
Methyl acetate	ND	ug/m3	7.9	5.11		03/04/16 20:45	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		02/14/16 16:59	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 16:59	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 16:59	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 16:59	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 16:59	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 16:59	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 16:59	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.68		02/14/16 16:59	127-18-4		
Toluene	3.0	ug/m3	1.3	1.68		02/14/16 16:59	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		02/14/16 16:59	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 16:59	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 16:59	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		02/14/16 16:59	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		02/14/16 16:59	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 16:59	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 16:59	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 16:59	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 16:59	75-01-4		
m&p-Xylene	3.4	ug/m3	3.0	1.68		02/14/16 16:59	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 16:59	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-2_5_20160206		Lab ID: 10337995005		Collected: 02/06/16 11:05		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	7.0	5.11		03/04/16 13:50	75-37-6		
Acetone	4.4	ug/m3	4.1	1.68		02/14/16 17:26	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		02/14/16 17:26	107-05-1		
Benzene	ND	ug/m3	0.55	1.68		02/14/16 17:26	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 17:26	75-27-4		
Bromoform	ND	ug/m3	17.7	1.68		02/14/16 17:26	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 17:26	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 17:26	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 17:26	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		02/14/16 17:26	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		02/14/16 17:26	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 17:26	108-90-7		
Chlorodifluoromethane	1.7	ug/m3	1.2	1.68		02/14/16 17:26	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 17:26	75-00-3		
Chloroform	1.3	ug/m3	0.83	1.68		02/14/16 17:26	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 17:26	74-87-3		
Chloropentafluoroethane	ND	ug/m3	16.4	5.11		03/04/16 13:50	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 17:26	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	25.1	5.11		03/04/16 13:50	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.9	1.68		02/14/16 17:26	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 17:26	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 17:26	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 17:26	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 17:26	106-46-7		
Dichlorodifluoromethane	1.7	ug/m3	1.7	1.68		02/14/16 17:26	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 17:26	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 17:26	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 17:26	75-35-4		
cis-1,2-Dichloroethene	1.5	ug/m3	1.4	1.68		02/14/16 17:26	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 17:26	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 17:26	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 17:26	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 17:26	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 17:26	76-14-2		
Freon 123	ND	ug/m3	16.2	5.11		03/04/16 13:50	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 17:26	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 17:26	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		02/14/16 17:26	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		02/14/16 17:26	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		02/14/16 17:26	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		02/14/16 17:26	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 17:26	98-82-8		
Methyl acetate	ND	ug/m3	7.9	5.11		03/04/16 13:50	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		02/14/16 17:26	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 17:26	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 17:26	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-2_5_20160206		Lab ID: 10337995005		Collected: 02/06/16 11:05		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 17:26	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 17:26	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 17:26	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 17:26	79-34-5		
Tetrachloroethene	179	ug/m3	1.2	1.68		02/14/16 17:26	127-18-4		
Toluene	ND	ug/m3	1.3	1.68		02/14/16 17:26	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		02/14/16 17:26	120-82-1		
1,1,1-Trichloroethane	4.3	ug/m3	1.9	1.68		02/14/16 17:26	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 17:26	79-00-5		
Trichloroethene	11.2	ug/m3	0.92	1.68		02/14/16 17:26	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		02/14/16 17:26	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 17:26	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 17:26	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 17:26	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 17:26	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 17:26	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 17:26	95-47-6		

Sample: VP-2_10_20160206		Lab ID: 10337995006		Collected: 02/06/16 11:03		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	4.2	3.1		03/04/16 18:05	75-37-6		
Acetone	64.1	ug/m3	3.7	1.55		02/14/16 17:54	67-64-1		
Allyl chloride	ND	ug/m3	2.5	1.55		02/14/16 17:54	107-05-1		
Benzene	ND	ug/m3	0.50	1.55		02/14/16 17:54	71-43-2		
Bromodichloromethane	ND	ug/m3	2.1	1.55		02/14/16 17:54	75-27-4		
Bromoform	ND	ug/m3	16.3	1.55		02/14/16 17:54	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.55		02/14/16 17:54	74-83-9		
1,3-Butadiene	ND	ug/m3	0.70	1.55		02/14/16 17:54	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.6	1.55		02/14/16 17:54	78-93-3		
Carbon disulfide	ND	ug/m3	0.98	1.55		02/14/16 17:54	75-15-0		
Carbon tetrachloride	ND	ug/m3	0.99	1.55		02/14/16 17:54	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.55		02/14/16 17:54	108-90-7		
Chlorodifluoromethane	2.3	ug/m3	1.1	1.55		02/14/16 17:54	75-45-6		
Chloroethane	ND	ug/m3	0.84	1.55		02/14/16 17:54	75-00-3		
Chloroform	2.0	ug/m3	0.77	1.55		02/14/16 17:54	67-66-3		
Chloromethane	ND	ug/m3	0.65	1.55		02/14/16 17:54	74-87-3		
Chloropentafluoroethane	ND	ug/m3	10	3.1		03/04/16 18:05	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.1	1.55		02/14/16 17:54	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	15.2	3.1		03/04/16 18:05	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.7	1.55		02/14/16 17:54	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.4	1.55		02/14/16 17:54	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.9	1.55		02/14/16 17:54	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-2_10_20160206		Lab ID: 10337995006		Collected: 02/06/16 11:03		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.55		02/14/16 17:54	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	1.9	1.55		02/14/16 17:54	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.6	1.55		02/14/16 17:54	75-71-8		
1,1-Dichloroethane	4.0	ug/m3	1.3	1.55		02/14/16 17:54	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.64	1.55		02/14/16 17:54	107-06-2		
1,1-Dichloroethene	7.0	ug/m3	1.3	1.55		02/14/16 17:54	75-35-4		
cis-1,2-Dichloroethene	1650	ug/m3	50.2	62		02/15/16 10:59	156-59-2	A3	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		02/14/16 17:54	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.55		02/14/16 17:54	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		02/14/16 17:54	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		02/14/16 17:54	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.55		02/14/16 17:54	76-14-2		
Freon 123	ND	ug/m3	9.9	3.1		03/04/16 18:05	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.7	1.55		02/14/16 17:54	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.55		02/14/16 17:54	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.55		02/14/16 17:54	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.55		02/14/16 17:54	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.55		02/14/16 17:54	110-54-3		
2-Hexanone	ND	ug/m3	6.5	1.55		02/14/16 17:54	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	3.9	1.55		02/14/16 17:54	98-82-8		
Methyl acetate	ND	ug/m3	4.8	3.1		03/04/16 18:05	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.55		02/14/16 17:54	108-87-2		
Methylene Chloride	ND	ug/m3	5.5	1.55		02/14/16 17:54	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.5	1.55		02/14/16 17:54	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.55		02/14/16 17:54	1634-04-4		
2-Propanol	ND	ug/m3	3.9	1.55		02/14/16 17:54	67-63-0		
Styrene	ND	ug/m3	1.3	1.55		02/14/16 17:54	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.55		02/14/16 17:54	79-34-5		
Tetrachloroethene	1520	ug/m3	42.7	62		02/15/16 10:59	127-18-4	A3	
Toluene	2.1	ug/m3	1.2	1.55		02/14/16 17:54	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	5.8	1.55		02/14/16 17:54	120-82-1		
1,1,1-Trichloroethane	4.8	ug/m3	1.7	1.55		02/14/16 17:54	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.85	1.55		02/14/16 17:54	79-00-5		
Trichloroethene	166	ug/m3	0.85	1.55		02/14/16 17:54	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.55		02/14/16 17:54	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.5	1.55		02/14/16 17:54	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.55		02/14/16 17:54	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.55		02/14/16 17:54	108-67-8		
Vinyl chloride	0.59	ug/m3	0.40	1.55		02/14/16 17:54	75-01-4		
m&p-Xylene	ND	ug/m3	2.7	1.55		02/14/16 17:54	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.55		02/14/16 17:54	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-2_20_20160206		Lab ID: 10337995007		Collected: 02/06/16 11:03		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	9.8	7.13		03/04/16 17:01	75-37-6		
Acetone	15.2	ug/m3	4.2	1.75		02/14/16 18:21	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		02/14/16 18:21	107-05-1		
Benzene	0.70	ug/m3	0.57	1.75		02/14/16 18:21	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		02/14/16 18:21	75-27-4		
Bromoform	ND	ug/m3	18.4	1.75		02/14/16 18:21	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		02/14/16 18:21	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		02/14/16 18:21	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		02/14/16 18:21	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		02/14/16 18:21	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		02/14/16 18:21	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		02/14/16 18:21	108-90-7		
Chlorodifluoromethane	47.7	ug/m3	1.3	1.75		02/14/16 18:21	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		02/14/16 18:21	75-00-3		
Chloroform	2.1	ug/m3	0.87	1.75		02/14/16 18:21	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		02/14/16 18:21	74-87-3		
Chloropentafluoroethane	ND	ug/m3	22.9	7.13		03/04/16 17:01	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		02/14/16 18:21	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	35.0	7.13		03/04/16 17:01	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		02/14/16 18:21	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		02/14/16 18:21	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 18:21	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 18:21	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 18:21	106-46-7		
Dichlorodifluoromethane	2.9	ug/m3	1.8	1.75		02/14/16 18:21	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		02/14/16 18:21	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		02/14/16 18:21	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 18:21	75-35-4		
cis-1,2-Dichloroethene	26.2	ug/m3	1.4	1.75		02/14/16 18:21	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 18:21	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		02/14/16 18:21	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		02/14/16 18:21	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		02/14/16 18:21	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		02/14/16 18:21	76-14-2		
Freon 123	ND	ug/m3	22.7	7.13		03/04/16 17:01	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		02/14/16 18:21	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		02/14/16 18:21	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		02/14/16 18:21	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		02/14/16 18:21	87-68-3		
n-Hexane	4.2	ug/m3	1.3	1.75		02/14/16 18:21	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		02/14/16 18:21	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		02/14/16 18:21	98-82-8		
Methyl acetate	ND	ug/m3	11.0	7.13		03/04/16 17:01	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		02/14/16 18:21	108-87-2		
Methylene Chloride	43.9	ug/m3	6.2	1.75		02/14/16 18:21	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		02/14/16 18:21	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-2_20_20160206		Lab ID: 10337995007		Collected: 02/06/16 11:03		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		02/14/16 18:21	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		02/14/16 18:21	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		02/14/16 18:21	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		02/14/16 18:21	79-34-5		
Tetrachloroethene	170	ug/m3	1.2	1.75		02/14/16 18:21	127-18-4		
Toluene	5.6	ug/m3	1.3	1.75		02/14/16 18:21	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.75		02/14/16 18:21	120-82-1		
1,1,1-Trichloroethane	2.1	ug/m3	1.9	1.75		02/14/16 18:21	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		02/14/16 18:21	79-00-5		
Trichloroethene	78.4	ug/m3	0.96	1.75		02/14/16 18:21	79-01-6		
Trichlorofluoromethane	2.0	ug/m3	2.0	1.75		02/14/16 18:21	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		02/14/16 18:21	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		02/14/16 18:21	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		02/14/16 18:21	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		02/14/16 18:21	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		02/14/16 18:21	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		02/14/16 18:21	95-47-6		

Sample: VP-2_30_20160206		Lab ID: 10337995008		Collected: 02/06/16 11:01		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	7.0	5.11		03/04/16 21:18	75-37-6		
Acetone	14.5	ug/m3	4.1	1.68		02/14/16 18:48	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		02/14/16 18:48	107-05-1		
Benzene	0.79	ug/m3	0.55	1.68		02/14/16 18:48	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 18:48	75-27-4		
Bromoform	ND	ug/m3	17.7	1.68		02/14/16 18:48	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 18:48	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 18:48	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 18:48	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		02/14/16 18:48	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		02/14/16 18:48	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 18:48	108-90-7		
Chlorodifluoromethane	56.1	ug/m3	1.2	1.68		02/14/16 18:48	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 18:48	75-00-3		
Chloroform	1.5	ug/m3	0.83	1.68		02/14/16 18:48	67-66-3		
Chloromethane	1.0	ug/m3	0.71	1.68		02/14/16 18:48	74-87-3		
Chloropentafluoroethane	ND	ug/m3	16.4	5.11		03/04/16 21:18	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 18:48	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	25.1	5.11		03/04/16 21:18	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.9	1.68		02/14/16 18:48	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 18:48	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 18:48	95-50-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-2_30_20160206		Lab ID: 10337995008		Collected: 02/06/16 11:01		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 18:48	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 18:48	106-46-7		
Dichlorodifluoromethane	3.0	ug/m3	1.7	1.68		02/14/16 18:48	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 18:48	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 18:48	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 18:48	75-35-4		
cis-1,2-Dichloroethene	32.2	ug/m3	1.4	1.68		02/14/16 18:48	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 18:48	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 18:48	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 18:48	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 18:48	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 18:48	76-14-2		
Freon 123	ND	ug/m3	16.2	5.11		03/04/16 21:18	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 18:48	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 18:48	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		02/14/16 18:48	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		02/14/16 18:48	87-68-3		
n-Hexane	4.6	ug/m3	1.2	1.68		02/14/16 18:48	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		02/14/16 18:48	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 18:48	98-82-8		
Methyl acetate	ND	ug/m3	7.9	5.11		03/04/16 21:18	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		02/14/16 18:48	108-87-2		
Methylene Chloride	46.0	ug/m3	5.9	1.68		02/14/16 18:48	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 18:48	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 18:48	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 18:48	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 18:48	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 18:48	79-34-5		
Tetrachloroethene	178	ug/m3	1.2	1.68		02/14/16 18:48	127-18-4		
Toluene	5.8	ug/m3	1.3	1.68		02/14/16 18:48	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		02/14/16 18:48	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 18:48	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 18:48	79-00-5		
Trichloroethene	148	ug/m3	0.92	1.68		02/14/16 18:48	79-01-6		
Trichlorofluoromethane	2.0	ug/m3	1.9	1.68		02/14/16 18:48	75-69-4		
1,1,2-Trichlorotrifluoroethane	25.8	ug/m3	2.7	1.68		02/14/16 18:48	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 18:48	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 18:48	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 18:48	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 18:48	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 18:48	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-5_10_20160206		Lab ID: 10337995009		Collected: 02/06/16 10:50		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	6.0	4.38		03/04/16 14:52	75-37-6		
Acetone	5.7	ug/m3	3.5	1.44		02/14/16 19:16	67-64-1		
Allyl chloride	ND	ug/m3	2.3	1.44		02/14/16 19:16	107-05-1		
Benzene	ND	ug/m3	0.47	1.44		02/14/16 19:16	71-43-2		
Bromodichloromethane	ND	ug/m3	2.0	1.44		02/14/16 19:16	75-27-4		
Bromoform	ND	ug/m3	15.1	1.44		02/14/16 19:16	75-25-2		
Bromomethane	ND	ug/m3	1.1	1.44		02/14/16 19:16	74-83-9		
1,3-Butadiene	ND	ug/m3	0.65	1.44		02/14/16 19:16	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.3	1.44		02/14/16 19:16	78-93-3		
Carbon disulfide	ND	ug/m3	0.91	1.44		02/14/16 19:16	75-15-0		
Carbon tetrachloride	ND	ug/m3	0.92	1.44		02/14/16 19:16	56-23-5		
Chlorobenzene	ND	ug/m3	1.4	1.44		02/14/16 19:16	108-90-7		
Chlorodifluoromethane	3.9	ug/m3	1.0	1.44		02/14/16 19:16	75-45-6		
Chloroethane	ND	ug/m3	0.78	1.44		02/14/16 19:16	75-00-3		
Chloroform	ND	ug/m3	0.71	1.44		02/14/16 19:16	67-66-3		
Chloromethane	ND	ug/m3	0.60	1.44		02/14/16 19:16	74-87-3		
Chloropentafluoroethane	ND	ug/m3	14.1	4.38		03/04/16 14:52	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.0	1.44		02/14/16 19:16	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	21.5	4.38		03/04/16 14:52	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.5	1.44		02/14/16 19:16	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.2	1.44		02/14/16 19:16	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.8	1.44		02/14/16 19:16	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.8	1.44		02/14/16 19:16	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	1.8	1.44		02/14/16 19:16	106-46-7		
Dichlorodifluoromethane	3.2	ug/m3	1.5	1.44		02/14/16 19:16	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.2	1.44		02/14/16 19:16	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.59	1.44		02/14/16 19:16	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.2	1.44		02/14/16 19:16	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.44		02/14/16 19:16	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.44		02/14/16 19:16	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.4	1.44		02/14/16 19:16	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.44		02/14/16 19:16	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.44		02/14/16 19:16	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.44		02/14/16 19:16	76-14-2		
Freon 123	ND	ug/m3	13.9	4.38		03/04/16 14:52	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.3	1.44		02/14/16 19:16	123-91-1		
Ethylbenzene	ND	ug/m3	1.3	1.44		02/14/16 19:16	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.4	1.44		02/14/16 19:16	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.2	1.44		02/14/16 19:16	87-68-3		
n-Hexane	2.4	ug/m3	1.0	1.44		02/14/16 19:16	110-54-3		
2-Hexanone	ND	ug/m3	6.0	1.44		02/14/16 19:16	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	3.6	1.44		02/14/16 19:16	98-82-8		
Methyl acetate	ND	ug/m3	6.7	4.38		03/04/16 14:52	79-20-9		
Methylcyclohexane	ND	ug/m3	1.2	1.44		02/14/16 19:16	108-87-2		
Methylene Chloride	37.8	ug/m3	5.1	1.44		02/14/16 19:16	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.0	1.44		02/14/16 19:16	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-5_10_20160206		Lab ID: 10337995009		Collected: 02/06/16 10:50		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	5.3	1.44		02/14/16 19:16	1634-04-4		
2-Propanol	ND	ug/m3	3.6	1.44		02/14/16 19:16	67-63-0		
Styrene	ND	ug/m3	1.3	1.44		02/14/16 19:16	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.0	1.44		02/14/16 19:16	79-34-5		
Tetrachloroethene	66.4	ug/m3	0.99	1.44		02/14/16 19:16	127-18-4		
Toluene	1.2	ug/m3	1.1	1.44		02/14/16 19:16	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	5.4	1.44		02/14/16 19:16	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.6	1.44		02/14/16 19:16	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.79	1.44		02/14/16 19:16	79-00-5		
Trichloroethene	ND	ug/m3	0.79	1.44		02/14/16 19:16	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.6	1.44		02/14/16 19:16	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	1.44		02/14/16 19:16	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	1.44		02/14/16 19:16	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	1.44		02/14/16 19:16	108-67-8		
Vinyl chloride	ND	ug/m3	0.37	1.44		02/14/16 19:16	75-01-4		
m&p-Xylene	ND	ug/m3	2.5	1.44		02/14/16 19:16	179601-23-1		
o-Xylene	ND	ug/m3	1.3	1.44		02/14/16 19:16	95-47-6		

Sample: VP-5_20_20160206		Lab ID: 10337995010		Collected: 02/06/16 11:25		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	7.0	5.11			03/04/16 12:46	75-37-6	
Acetone	8.7	ug/m3	4.1	1.68			02/14/16 20:06	67-64-1	
Allyl chloride	ND	ug/m3	2.7	1.68			02/14/16 20:06	107-05-1	
Benzene	ND	ug/m3	0.55	1.68			02/14/16 20:06	71-43-2	
Bromodichloromethane	ND	ug/m3	2.3	1.68			02/14/16 20:06	75-27-4	
Bromoform	ND	ug/m3	17.7	1.68			02/14/16 20:06	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68			02/14/16 20:06	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68			02/14/16 20:06	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.0	1.68			02/14/16 20:06	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.68			02/14/16 20:06	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.68			02/14/16 20:06	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68			02/14/16 20:06	108-90-7	
Chlorodifluoromethane	1.8	ug/m3	1.2	1.68			02/14/16 20:06	75-45-6	
Chloroethane	ND	ug/m3	0.91	1.68			02/14/16 20:06	75-00-3	
Chloroform	1.3	ug/m3	0.83	1.68			02/14/16 20:06	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68			02/14/16 20:06	74-87-3	
Chloropentafluoroethane	ND	ug/m3	16.4	5.11			03/04/16 12:46	76-15-3	CL,IC, L2,SS
Cyclohexane	ND	ug/m3	1.2	1.68			02/14/16 20:06	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	25.1	5.11			03/04/16 12:46	96-12-8	SS
Dibromochloromethane	ND	ug/m3	2.9	1.68			02/14/16 20:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68			02/14/16 20:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68			02/14/16 20:06	95-50-1	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-5_20_20160206		Lab ID: 10337995010		Collected: 02/06/16 11:25		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 20:06	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 20:06	106-46-7		
Dichlorodifluoromethane	10.3	ug/m3	1.7	1.68		02/14/16 20:06	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 20:06	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 20:06	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 20:06	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 20:06	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 20:06	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 20:06	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 20:06	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 20:06	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 20:06	76-14-2		
Freon 123	ND	ug/m3	16.2	5.11		03/04/16 12:46	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 20:06	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 20:06	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		02/14/16 20:06	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		02/14/16 20:06	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		02/14/16 20:06	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		02/14/16 20:06	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 20:06	98-82-8		
Methyl acetate	ND	ug/m3	7.9	5.11		03/04/16 12:46	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		02/14/16 20:06	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 20:06	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 20:06	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 20:06	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 20:06	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 20:06	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 20:06	79-34-5		
Tetrachloroethene	103	ug/m3	1.2	1.68		02/14/16 20:06	127-18-4		
Toluene	ND	ug/m3	1.3	1.68		02/14/16 20:06	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		02/14/16 20:06	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 20:06	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 20:06	79-00-5		
Trichloroethene	91.2	ug/m3	0.92	1.68		02/14/16 20:06	79-01-6		
Trichlorofluoromethane	2.5	ug/m3	1.9	1.68		02/14/16 20:06	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 20:06	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 20:06	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 20:06	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 20:06	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 20:06	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 20:06	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-5_20_20160206DUP		Lab ID: 10337995011		Collected: 02/06/16 11:25		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	7.0	5.11		03/04/16 15:26	75-37-6		
Acetone	11.3	ug/m3	4.1	1.68		02/14/16 20:34	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		02/14/16 20:34	107-05-1		
Benzene	ND	ug/m3	0.55	1.68		02/14/16 20:34	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 20:34	75-27-4		
Bromoform	ND	ug/m3	17.7	1.68		02/14/16 20:34	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 20:34	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 20:34	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 20:34	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		02/14/16 20:34	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		02/14/16 20:34	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 20:34	108-90-7		
Chlorodifluoromethane	32.2	ug/m3	1.2	1.68		02/14/16 20:34	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 20:34	75-00-3		
Chloroform	1.0	ug/m3	0.83	1.68		02/14/16 20:34	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 20:34	74-87-3		
Chloropentafluoroethane	ND	ug/m3	16.4	5.11		03/04/16 15:26	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 20:34	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	25.1	5.11		03/04/16 15:26	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.9	1.68		02/14/16 20:34	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 20:34	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 20:34	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 20:34	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 20:34	106-46-7		
Dichlorodifluoromethane	7.0	ug/m3	1.7	1.68		02/14/16 20:34	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 20:34	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 20:34	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 20:34	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 20:34	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 20:34	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 20:34	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 20:34	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 20:34	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 20:34	76-14-2		
Freon 123	ND	ug/m3	16.2	5.11		03/04/16 15:26	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 20:34	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 20:34	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		02/14/16 20:34	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		02/14/16 20:34	87-68-3		
n-Hexane	2.6	ug/m3	1.2	1.68		02/14/16 20:34	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		02/14/16 20:34	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 20:34	98-82-8		
Methyl acetate	ND	ug/m3	7.9	5.11		03/04/16 15:26	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		02/14/16 20:34	108-87-2		
Methylene Chloride	29.3	ug/m3	5.9	1.68		02/14/16 20:34	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 20:34	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-5_20_20160206DUP		Lab ID: 10337995011		Collected: 02/06/16 11:25		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 20:34	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 20:34	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 20:34	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 20:34	79-34-5		
Tetrachloroethene	72.4	ug/m3	1.2	1.68		02/14/16 20:34	127-18-4		
Toluene	3.2	ug/m3	1.3	1.68		02/14/16 20:34	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		02/14/16 20:34	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 20:34	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 20:34	79-00-5		
Trichloroethene	65.8	ug/m3	0.92	1.68		02/14/16 20:34	79-01-6		
Trichlorofluoromethane	2.5	ug/m3	1.9	1.68		02/14/16 20:34	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 20:34	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 20:34	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 20:34	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 20:34	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 20:34	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 20:34	95-47-6		

Sample: VP-5_30_20160206		Lab ID: 10337995012		Collected: 02/06/16 10:23		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	6.7	4.89		03/04/16 18:38	75-37-6		
Acetone	14.0	ug/m3	3.9	1.61		02/14/16 21:01	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		02/14/16 21:01	107-05-1		
Benzene	0.67	ug/m3	0.52	1.61		02/14/16 21:01	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		02/14/16 21:01	75-27-4		
Bromoform	ND	ug/m3	16.9	1.61		02/14/16 21:01	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		02/14/16 21:01	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		02/14/16 21:01	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		02/14/16 21:01	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		02/14/16 21:01	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		02/14/16 21:01	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		02/14/16 21:01	108-90-7		
Chlorodifluoromethane	48.3	ug/m3	1.2	1.61		02/14/16 21:01	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		02/14/16 21:01	75-00-3		
Chloroform	1.0	ug/m3	0.80	1.61		02/14/16 21:01	67-66-3		
Chloromethane	0.98	ug/m3	0.68	1.61		02/14/16 21:01	74-87-3		
Chloropentafluoroethane	ND	ug/m3	15.7	4.89		03/04/16 18:38	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.1	1.61		02/14/16 21:01	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	24.0	4.89		03/04/16 18:38	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.8	1.61		02/14/16 21:01	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		02/14/16 21:01	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 21:01	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-5_30_20160206		Lab ID: 10337995012		Collected: 02/06/16 10:23		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 21:01	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 21:01	106-46-7		
Dichlorodifluoromethane	9.3	ug/m3	1.6	1.61		02/14/16 21:01	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		02/14/16 21:01	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		02/14/16 21:01	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 21:01	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 21:01	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 21:01	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		02/14/16 21:01	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 21:01	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 21:01	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		02/14/16 21:01	76-14-2		
Freon 123	ND	ug/m3	15.6	4.89		03/04/16 18:38	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		02/14/16 21:01	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		02/14/16 21:01	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		02/14/16 21:01	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		02/14/16 21:01	87-68-3		
n-Hexane	4.2	ug/m3	1.2	1.61		02/14/16 21:01	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		02/14/16 21:01	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		02/14/16 21:01	98-82-8		
Methyl acetate	ND	ug/m3	7.5	4.89		03/04/16 18:38	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		02/14/16 21:01	108-87-2		
Methylene Chloride	39.4	ug/m3	5.7	1.61		02/14/16 21:01	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		02/14/16 21:01	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		02/14/16 21:01	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		02/14/16 21:01	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		02/14/16 21:01	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		02/14/16 21:01	79-34-5		
Tetrachloroethene	77.1	ug/m3	1.1	1.61		02/14/16 21:01	127-18-4		
Toluene	4.8	ug/m3	1.2	1.61		02/14/16 21:01	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.1	1.61		02/14/16 21:01	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		02/14/16 21:01	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		02/14/16 21:01	79-00-5		
Trichloroethene	70.9	ug/m3	0.89	1.61		02/14/16 21:01	79-01-6		
Trichlorofluoromethane	2.6	ug/m3	1.8	1.61		02/14/16 21:01	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		02/14/16 21:01	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 21:01	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 21:01	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		02/14/16 21:01	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		02/14/16 21:01	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		02/14/16 21:01	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-6_5_20160206		Lab ID: 10337995013		Collected: 02/06/16 12:27		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	7.0	5.11		03/04/16 17:34	75-37-6		
Acetone	11.5	ug/m3	4.1	1.68		02/14/16 21:29	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		02/14/16 21:29	107-05-1		
Benzene	0.59	ug/m3	0.55	1.68		02/14/16 21:29	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 21:29	75-27-4		
Bromoform	ND	ug/m3	17.7	1.68		02/14/16 21:29	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 21:29	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 21:29	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 21:29	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		02/14/16 21:29	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		02/14/16 21:29	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 21:29	108-90-7		
Chlorodifluoromethane	35.9	ug/m3	1.2	1.68		02/14/16 21:29	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 21:29	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		02/14/16 21:29	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 21:29	74-87-3		
Chloropentafluoroethane	ND	ug/m3	16.4	5.11		03/04/16 17:34	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 21:29	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	25.1	5.11		03/04/16 17:34	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.9	1.68		02/14/16 21:29	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 21:29	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 21:29	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 21:29	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 21:29	106-46-7		
Dichlorodifluoromethane	2.7	ug/m3	1.7	1.68		02/14/16 21:29	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 21:29	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 21:29	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 21:29	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 21:29	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 21:29	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 21:29	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 21:29	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		02/14/16 21:29	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 21:29	76-14-2		
Freon 123	ND	ug/m3	16.2	5.11		03/04/16 17:34	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 21:29	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 21:29	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		02/14/16 21:29	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		02/14/16 21:29	87-68-3		
n-Hexane	2.8	ug/m3	1.2	1.68		02/14/16 21:29	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		02/14/16 21:29	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 21:29	98-82-8		
Methyl acetate	ND	ug/m3	7.9	5.11		03/04/16 17:34	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		02/14/16 21:29	108-87-2		
Methylene Chloride	33.6	ug/m3	5.9	1.68		02/14/16 21:29	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 21:29	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-6_5_20160206		Lab ID: 10337995013		Collected: 02/06/16 12:27		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 21:29	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 21:29	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 21:29	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 21:29	79-34-5		
Tetrachloroethene	14.6	ug/m3	1.2	1.68		02/14/16 21:29	127-18-4		
Toluene	3.9	ug/m3	1.3	1.68		02/14/16 21:29	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		02/14/16 21:29	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 21:29	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 21:29	79-00-5		
Trichloroethene	1.2	ug/m3	0.92	1.68		02/14/16 21:29	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		02/14/16 21:29	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 21:29	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 21:29	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		02/14/16 21:29	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 21:29	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 21:29	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 21:29	95-47-6		

Sample: VP-6_10_20160206		Lab ID: 10337995014		Collected: 02/06/16 11:45		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	6.7	4.89		03/04/16 20:14	75-37-6		
Acetone	ND	ug/m3	3.9	1.61		02/14/16 21:56	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		02/14/16 21:56	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		02/14/16 21:56	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		02/14/16 21:56	75-27-4		
Bromoform	ND	ug/m3	16.9	1.61		02/14/16 21:56	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		02/14/16 21:56	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		02/14/16 21:56	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		02/14/16 21:56	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		02/14/16 21:56	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		02/14/16 21:56	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		02/14/16 21:56	108-90-7		
Chlorodifluoromethane	1.6	ug/m3	1.2	1.61		02/14/16 21:56	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		02/14/16 21:56	75-00-3		
Chloroform	ND	ug/m3	0.80	1.61		02/14/16 21:56	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		02/14/16 21:56	74-87-3		
Chloropentafluoroethane	ND	ug/m3	15.7	4.89		03/04/16 20:14	76-15-3	CL,IC, L2,SS	
Cyclohexane	6.9	ug/m3	1.1	1.61		02/14/16 21:56	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	24.0	4.89		03/04/16 20:14	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.8	1.61		02/14/16 21:56	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		02/14/16 21:56	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 21:56	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-6_10_20160206		Lab ID: 10337995014		Collected: 02/06/16 11:45		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 21:56	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 21:56	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.6	1.61		02/14/16 21:56	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		02/14/16 21:56	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		02/14/16 21:56	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 21:56	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 21:56	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 21:56	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		02/14/16 21:56	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 21:56	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 21:56	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		02/14/16 21:56	76-14-2		
Freon 123	ND	ug/m3	15.6	4.89		03/04/16 20:14	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		02/14/16 21:56	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		02/14/16 21:56	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		02/14/16 21:56	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		02/14/16 21:56	87-68-3		
n-Hexane	8.2	ug/m3	1.2	1.61		02/14/16 21:56	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		02/14/16 21:56	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		02/14/16 21:56	98-82-8		
Methyl acetate	ND	ug/m3	7.5	4.89		03/04/16 20:14	79-20-9		
Methylcyclohexane	5.0	ug/m3	1.3	1.61		02/14/16 21:56	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		02/14/16 21:56	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		02/14/16 21:56	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		02/14/16 21:56	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		02/14/16 21:56	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		02/14/16 21:56	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		02/14/16 21:56	79-34-5		
Tetrachloroethene	14.0	ug/m3	1.1	1.61		02/14/16 21:56	127-18-4		
Toluene	1.5	ug/m3	1.2	1.61		02/14/16 21:56	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.1	1.61		02/14/16 21:56	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		02/14/16 21:56	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		02/14/16 21:56	79-00-5		
Trichloroethene	ND	ug/m3	0.89	1.61		02/14/16 21:56	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		02/14/16 21:56	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		02/14/16 21:56	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 21:56	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 21:56	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		02/14/16 21:56	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		02/14/16 21:56	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		02/14/16 21:56	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-6_20_20160206		Lab ID: 10337995015		Collected: 02/06/16 11:51		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	6.7	4.89		03/04/16 15:59	75-37-6		
Acetone	ND	ug/m3	3.9	1.61		02/14/16 22:23	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		02/14/16 22:23	107-05-1		
Benzene	0.96	ug/m3	0.52	1.61		02/14/16 22:23	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		02/14/16 22:23	75-27-4		
Bromoform	ND	ug/m3	16.9	1.61		02/14/16 22:23	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		02/14/16 22:23	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		02/14/16 22:23	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		02/14/16 22:23	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		02/14/16 22:23	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		02/14/16 22:23	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		02/14/16 22:23	108-90-7		
Chlorodifluoromethane	1.4	ug/m3	1.2	1.61		02/14/16 22:23	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		02/14/16 22:23	75-00-3		
Chloroform	ND	ug/m3	0.80	1.61		02/14/16 22:23	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		02/14/16 22:23	74-87-3		
Chloropentafluoroethane	ND	ug/m3	15.7	4.89		03/04/16 15:59	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.1	1.61		02/14/16 22:23	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	24.0	4.89		03/04/16 15:59	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.8	1.61		02/14/16 22:23	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		02/14/16 22:23	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 22:23	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 22:23	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 22:23	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.6	1.61		02/14/16 22:23	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		02/14/16 22:23	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		02/14/16 22:23	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 22:23	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 22:23	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 22:23	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		02/14/16 22:23	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 22:23	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 22:23	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		02/14/16 22:23	76-14-2		
Freon 123	ND	ug/m3	15.6	4.89		03/04/16 15:59	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		02/14/16 22:23	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		02/14/16 22:23	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		02/14/16 22:23	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		02/14/16 22:23	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		02/14/16 22:23	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		02/14/16 22:23	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		02/14/16 22:23	98-82-8		
Methyl acetate	ND	ug/m3	7.5	4.89		03/04/16 15:59	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		02/14/16 22:23	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		02/14/16 22:23	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		02/14/16 22:23	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-6_20_20160206		Lab ID: 10337995015		Collected: 02/06/16 11:51		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		02/14/16 22:23	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		02/14/16 22:23	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		02/14/16 22:23	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		02/14/16 22:23	79-34-5		
Tetrachloroethene	67.2	ug/m3	1.1	1.61		02/14/16 22:23	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		02/14/16 22:23	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.1	1.61		02/14/16 22:23	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		02/14/16 22:23	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		02/14/16 22:23	79-00-5		
Trichloroethene	5.2	ug/m3	0.89	1.61		02/14/16 22:23	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		02/14/16 22:23	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		02/14/16 22:23	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 22:23	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 22:23	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		02/14/16 22:23	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		02/14/16 22:23	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		02/14/16 22:23	95-47-6		

Sample: VP-6_30_20160206		Lab ID: 10337995016		Collected: 02/06/16 11:48		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	6.7	4.89		03/04/16 19:12	75-37-6		
Acetone	ND	ug/m3	3.9	1.61		02/14/16 22:51	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		02/14/16 22:51	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		02/14/16 22:51	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		02/14/16 22:51	75-27-4		
Bromoform	ND	ug/m3	16.9	1.61		02/14/16 22:51	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		02/14/16 22:51	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		02/14/16 22:51	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		02/14/16 22:51	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		02/14/16 22:51	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		02/14/16 22:51	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		02/14/16 22:51	108-90-7		
Chlorodifluoromethane	2.3	ug/m3	1.2	1.61		02/14/16 22:51	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		02/14/16 22:51	75-00-3		
Chloroform	0.80	ug/m3	0.80	1.61		02/14/16 22:51	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		02/14/16 22:51	74-87-3		
Chloropentafluoroethane	ND	ug/m3	15.7	4.89		03/04/16 19:12	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.1	1.61		02/14/16 22:51	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	24.0	4.89		03/04/16 19:12	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.8	1.61		02/14/16 22:51	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		02/14/16 22:51	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 22:51	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-6_30_20160206		Lab ID: 10337995016		Collected: 02/06/16 11:48		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 22:51	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 22:51	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.6	1.61		02/14/16 22:51	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		02/14/16 22:51	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		02/14/16 22:51	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 22:51	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 22:51	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 22:51	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		02/14/16 22:51	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 22:51	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		02/14/16 22:51	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		02/14/16 22:51	76-14-2		
Freon 123	ND	ug/m3	15.6	4.89		03/04/16 19:12	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		02/14/16 22:51	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		02/14/16 22:51	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		02/14/16 22:51	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		02/14/16 22:51	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		02/14/16 22:51	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		02/14/16 22:51	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		02/14/16 22:51	98-82-8		
Methyl acetate	ND	ug/m3	7.5	4.89		03/04/16 19:12	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		02/14/16 22:51	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		02/14/16 22:51	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		02/14/16 22:51	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		02/14/16 22:51	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		02/14/16 22:51	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		02/14/16 22:51	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		02/14/16 22:51	79-34-5		
Tetrachloroethene	94.7	ug/m3	1.1	1.61		02/14/16 22:51	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		02/14/16 22:51	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.1	1.61		02/14/16 22:51	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		02/14/16 22:51	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		02/14/16 22:51	79-00-5		
Trichloroethene	22.5	ug/m3	0.89	1.61		02/14/16 22:51	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		02/14/16 22:51	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		02/14/16 22:51	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 22:51	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		02/14/16 22:51	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		02/14/16 22:51	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		02/14/16 22:51	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		02/14/16 22:51	95-47-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-6_30_20160206DUP		Lab ID: 10337995017		Collected: 02/06/16 10:05		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	6.2	4.53		03/04/16 14:21	75-37-6		
Acetone	ND	ug/m3	3.6	1.49		02/14/16 23:18	67-64-1		
Allyl chloride	ND	ug/m3	2.4	1.49		02/14/16 23:18	107-05-1		
Benzene	ND	ug/m3	0.48	1.49		02/14/16 23:18	71-43-2		
Bromodichloromethane	ND	ug/m3	2.0	1.49		02/14/16 23:18	75-27-4		
Bromoform	ND	ug/m3	15.7	1.49		02/14/16 23:18	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.49		02/14/16 23:18	74-83-9		
1,3-Butadiene	ND	ug/m3	0.67	1.49		02/14/16 23:18	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.5	1.49		02/14/16 23:18	78-93-3		
Carbon disulfide	ND	ug/m3	0.94	1.49		02/14/16 23:18	75-15-0		
Carbon tetrachloride	ND	ug/m3	0.95	1.49		02/14/16 23:18	56-23-5		
Chlorobenzene	ND	ug/m3	1.4	1.49		02/14/16 23:18	108-90-7		
Chlorodifluoromethane	1.8	ug/m3	1.1	1.49		02/14/16 23:18	75-45-6		
Chloroethane	ND	ug/m3	0.80	1.49		02/14/16 23:18	75-00-3		
Chloroform	0.86	ug/m3	0.74	1.49		02/14/16 23:18	67-66-3		
Chloromethane	ND	ug/m3	0.63	1.49		02/14/16 23:18	74-87-3		
Chloropentafluoroethane	ND	ug/m3	14.5	4.53		03/04/16 14:21	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.0	1.49		02/14/16 23:18	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	22.2	4.53		03/04/16 14:21	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.6	1.49		02/14/16 23:18	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.3	1.49		02/14/16 23:18	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.8	1.49		02/14/16 23:18	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.8	1.49		02/14/16 23:18	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	1.8	1.49		02/14/16 23:18	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.5	1.49		02/14/16 23:18	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.2	1.49		02/14/16 23:18	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.61	1.49		02/14/16 23:18	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.2	1.49		02/14/16 23:18	75-35-4		
cis-1,2-Dichloroethene	1.3	ug/m3	1.2	1.49		02/14/16 23:18	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		02/14/16 23:18	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.4	1.49		02/14/16 23:18	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.49		02/14/16 23:18	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.49		02/14/16 23:18	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.1	1.49		02/14/16 23:18	76-14-2		
Freon 123	ND	ug/m3	14.4	4.53		03/04/16 14:21	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.5	1.49		02/14/16 23:18	123-91-1		
Ethylbenzene	ND	ug/m3	1.3	1.49		02/14/16 23:18	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.5	1.49		02/14/16 23:18	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.3	1.49		02/14/16 23:18	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.49		02/14/16 23:18	110-54-3		
2-Hexanone	ND	ug/m3	6.2	1.49		02/14/16 23:18	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	3.7	1.49		02/14/16 23:18	98-82-8		
Methyl acetate	ND	ug/m3	7.0	4.53		03/04/16 14:21	79-20-9		
Methylcyclohexane	ND	ug/m3	1.2	1.49		02/14/16 23:18	108-87-2		
Methylene Chloride	ND	ug/m3	5.3	1.49		02/14/16 23:18	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.2	1.49		02/14/16 23:18	108-10-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Sample: VP-6_30_20160206DUP		Lab ID: 10337995017		Collected: 02/06/16 10:05		Received: 02/09/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	5.5	1.49		02/14/16 23:18	1634-04-4		
2-Propanol	ND	ug/m3	3.7	1.49		02/14/16 23:18	67-63-0		
Styrene	ND	ug/m3	1.3	1.49		02/14/16 23:18	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.0	1.49		02/14/16 23:18	79-34-5		
Tetrachloroethene	95.8	ug/m3	1.0	1.49		02/14/16 23:18	127-18-4		
Toluene	ND	ug/m3	1.1	1.49		02/14/16 23:18	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	5.6	1.49		02/14/16 23:18	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.49		02/14/16 23:18	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.82	1.49		02/14/16 23:18	79-00-5		
Trichloroethene	22.4	ug/m3	0.82	1.49		02/14/16 23:18	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.7	1.49		02/14/16 23:18	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	1.49		02/14/16 23:18	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.49		02/14/16 23:18	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.49		02/14/16 23:18	108-67-8		
Vinyl chloride	ND	ug/m3	0.39	1.49		02/14/16 23:18	75-01-4		
m&p-Xylene	ND	ug/m3	2.6	1.49		02/14/16 23:18	179601-23-1		
o-Xylene	ND	ug/m3	1.3	1.49		02/14/16 23:18	95-47-6		

REPORT OF LABORATORY ANALYSIS

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Appendix C

Support Documentation

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10337995

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-5_20_20160206	ACETONE	8.7	VP-5_20_20160206DUP	ACETONE	11.3	26.00	2.6	4.1
	CHLORODIFLUOROMETHANE	1.8		CHLORODIFLUOROMETHANE	32.2	178.82	30.4	1.2
	CHLOROFORM	1.3		CHLOROFORM	1	26.09	0.3	0.83
	DICHLORODIFLUOROMETHANE	10.3		DICHLORODIFLUOROMETHANE	7	38.15	3.3	1.7
	HEXANE	1.2 U		HEXANE	2.6	NA	1.4	1.2
	METHYLENE CHLORIDE	5.9 U		METHYLENE CHLORIDE	29.3	NA	23.4	5.9
	TETRACHLOROETHENE	103		TETRACHLOROETHENE	72.4	34.89	30.6	1.2
	TOLUENE	1.3 U		TOLUENE	3.2	NA	1.9	1.3
	TRICHLOROETHENE	91.2		TRICHLOROETHENE	65.8	32.36	25.4	0.92
	TRICHLOROFLUOROMETHANE	2.5		TRICHLOROFLUOROMETHANE	2.5	0.00	0	1.9

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10337995

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-6_30_20160206	CHLORODIFLUOROMETHANE	2.3	VP-6_30_20160206DUP	CHLORODIFLUOROMETHANE	1.8 U	24.39	0.5	17.5
	CHLOROFORM	0.8		CHLOROFORM	0.86	7.23	0.06	4
	CIS-1,2-DICHLOROETHENE	1.3 U		CIS-1,2-DICHLOROETHENE	1.3	NA	0	1.2
	DICHLORODIFLUOROMETHANE	2.1		DICHLORODIFLUOROMETHANE	2.2	4.65	0.1	1.7
	TETRACHLOROETHENE	94.7		TETRACHLOROETHENE	95.8	1.15	1.1	1.2
	TRICHLOROETHENE	22.5		TRICHLOROETHENE	22.4	0.45	0.1	1.3

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL




AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10337995

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	23827	Page: 1 of 2
Company: <u>TERRA TECH</u>	Report To: <u>KEITH McDONNELL</u>	Attention:	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other _____	
Address: <u>295 RT 22E, Suite 104E</u>	Copy To:	Company Name:		
<u>Whitehouse Station, NJ 08889</u>	Purchase Order No.:	Address:		
Email To: <u>KEITH.MCDONNELL@TERRATECH.COM</u>	Project Name: <u>LML GREAT NECK</u>	Pace Quote Reference:		
Phone: <u>908-534-2303</u> Fax:	Project Number: <u>117-0507644</u>	Pace Project Manager/Sales Rep:		
Requested Due Date/TAT: <u>STANDARD</u>		Pace Profile #:	Reporting Units Location of Sampling by State: <u>NJ</u> ug/m ³ <input checked="" type="checkbox"/> mg/m ³ _____ PPBV _____ PPMV _____ Other _____	
			Report Level II. _____ III. _____ IV. _____ Other _____	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA Tedlar Bag 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other	CODE TB 1LC 6LC LVP HVP PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						COMPOSITE START END/GRAB		COMPOSITE -						PM10	3C-Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15 	TO-15 Short List																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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1	VP-1-5-20160206	6LC			2/6/16	0803	2/6/16	1137	-30	-8	2743	0174																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

Comments: * MODIFIED CAC LIST	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<u>JBK / TERRA TECH</u>	2/8/16	1109	<u>Keith McDonnell</u>	2/8/16	1109	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	<u>JBK</u>	2/8/16	1300	<u>Keith McDonnell</u>	2/8/16	1000				

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: <u>Jon Burk, Charles Esposito, Keith McDonnell</u>	DATE Signed (MM/DD/YY): <u>02/06/16</u>
SIGNATURE OF SAMPLER: <u>Jon Burk</u>	

ORIGINAL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

23828


Page: 2 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Company: TETRA TECH	Report To: KEITH McDERMOTT	Attention:	
Address: 295 RT 22E, SUITE 104E	Copy To:	Company Name:	
WAREHOUSE STATION, NJ 08889		Address:	
Email To: KEITH.MCDERMOTT@TETRA TECH.COM	Purchase Order No.:	Pace Quote Reference:	
Phone: 908-534-2303	Project Name: AML GREAT NECK	Pace Project Manager/Sales Rep.	
Fax:	Project Number: 1170507044	Pace Profile #:	
Requested Due Date/TAT: STANDARD			

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID
					COMPOSITE START END/GRAB		COMPOSITE -						PM10	3C - Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15*	TO15 Short List		
					DATE	TIME	DATE	TIME															
1	VP-6-5-20160206	COL			2/6/16	0852	2/6/16	1227	-30	-8.5	1043	0540							X				013
2	VP-6-10-20160206	COL			2/6/16	0852	2/6/16	1145	-30	-7.5	1689	0428							X				014
3	VP-6-20-20160206	COL			2/6/16	0852	2/6/16	1151	-29.5	-8	0393	0429							X				015
4	VP-6-30-20160206	COL			2/6/16	0852	2/6/16	1148	-29.5	-7	0957	0049							X				016
5	VP-6-30-20160206 DUP	COL			2/6/16	0852	2/6/16	1005	-30	-6	0149	0409							X				017
6																							018-021
7																							
8																							
9																							
10																							
11																							
12																							

Comments: * MODIFIED COL LIST	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>[Signature]</i> TETRA TECH	2/8/16	1109	<i>[Signature]</i>	2/8/16	1109	Temp in °C	Y/N	Y/N	Y/N
	<i>[Signature]</i>	2/8/16	1300	<i>[Signature]</i>	2/8/16	1000	Received on Ice	Y/N	Y/N	Y/N
							Custody Sealed Cooler	Y/N	Y/N	Y/N
SAMPLER NAME AND SIGNATURE							Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: JOHN BRYK, CHRIS ESTEVEZ, KEITH McDERMOTT										
SIGNATURE of SAMPLER: <i>[Signature]</i>										
DATE Signed (MM/DD/YY): 02/06/16										

ORIGINAL

	Document Name: Air Sample Condition Upon Receipt	Document Revised: 29 June 2015 Page 1 of 1
	Document No.: F-MN-A-106-rev.10	Issuing Authority: Pace Minnesota Quality Office

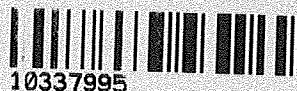
**Air Sample Condition
Upon Receipt**

Client Name:

Tetra tech NJ

Project #:

NO# : 10337995



Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client
☐ Commercial ☐ Pace ☐ Other: _____

Tracking Number: *on other sheet*

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): *X* Corrected Temp (°C): *X*

Thermom. Used: ☐ B88A912167504 ☐ B88A9132521491

☐ 72337080 ☐ 80512447

Temp should be above freezing to 6°C Correction Factor: *X*

Date & Initials of Person Examining Contents: *2/29/16*

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <i>Air Can</i> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
<i>Unused</i>	<i>1192</i>	<i>0182</i>			
<i>Unused</i>	<i>2093</i>	<i>0253</i>			
<i>Unused</i>	<i>1073</i>	<i>0243</i>			
<i>Unused</i>	<i>0593</i>	<i>0597</i>			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review:

@

Date: *02/09/16*

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

General Information:

17 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

- VP-1_10_20160206 (Lab ID: 10337995002)
- VP-1_20_20160206 (Lab ID: 10337995003)
- VP-1_30_20160206 (Lab ID: 10337995004)
- VP-1_5_20160206 (Lab ID: 10337995001)
- VP-2_10_20160206 (Lab ID: 10337995006)
- VP-2_20_20160206 (Lab ID: 10337995007)
- VP-2_30_20160206 (Lab ID: 10337995008)
- VP-2_5_20160206 (Lab ID: 10337995005)
- VP-5_10_20160206 (Lab ID: 10337995009)
- VP-5_20_20160206 (Lab ID: 10337995010)
- VP-5_20_20160206DUP (Lab ID: 10337995011)
- VP-5_30_20160206 (Lab ID: 10337995012)
- VP-6_10_20160206 (Lab ID: 10337995014)
- VP-6_20_20160206 (Lab ID: 10337995015)
- VP-6_30_20160206 (Lab ID: 10337995016)
- VP-6_30_20160206DUP (Lab ID: 10337995017)
- VP-6_5_20160206 (Lab ID: 10337995013)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25215

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- LCS (Lab ID: 2191518)
 - Chloropentafluoroethane
- VP-1_10_20160206 (Lab ID: 10337995002)
 - Chloropentafluoroethane
- VP-1_20_20160206 (Lab ID: 10337995003)
 - Chloropentafluoroethane
- VP-1_30_20160206 (Lab ID: 10337995004)
 - Chloropentafluoroethane
- VP-1_5_20160206 (Lab ID: 10337995001)
 - Chloropentafluoroethane
- VP-2_10_20160206 (Lab ID: 10337995006)
 - Chloropentafluoroethane
- VP-2_20_20160206 (Lab ID: 10337995007)
 - Chloropentafluoroethane
- VP-2_30_20160206 (Lab ID: 10337995008)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25215

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- Chloropentafluoroethane
- VP-2_5_20160206 (Lab ID: 10337995005)
 - Chloropentafluoroethane
- VP-5_10_20160206 (Lab ID: 10337995009)
 - Chloropentafluoroethane
- VP-5_20_20160206 (Lab ID: 10337995010)
 - Chloropentafluoroethane
- VP-5_20_20160206DUP (Lab ID: 10337995011)
 - Chloropentafluoroethane
- VP-5_30_20160206 (Lab ID: 10337995012)
 - Chloropentafluoroethane
- VP-6_10_20160206 (Lab ID: 10337995014)
 - Chloropentafluoroethane
- VP-6_20_20160206 (Lab ID: 10337995015)
 - Chloropentafluoroethane
- VP-6_30_20160206 (Lab ID: 10337995016)
 - Chloropentafluoroethane
- VP-6_30_20160206DUP (Lab ID: 10337995017)
 - Chloropentafluoroethane
- VP-6_5_20160206 (Lab ID: 10337995013)
 - Chloropentafluoroethane

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 2191518)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-1_10_20160206 (Lab ID: 10337995002)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-1_20_20160206 (Lab ID: 10337995003)
 - 1,1-Difluoroethane
 - Chloropentafluoroethane
- VP-1_30_20160206 (Lab ID: 10337995004)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-1_5_20160206 (Lab ID: 10337995001)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-2_10_20160206 (Lab ID: 10337995006)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-2_20_20160206 (Lab ID: 10337995007)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25215

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- VP-2_30_20160206 (Lab ID: 10337995008)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-2_5_20160206 (Lab ID: 10337995005)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-5_10_20160206 (Lab ID: 10337995009)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-5_20_20160206 (Lab ID: 10337995010)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-5_20_20160206DUP (Lab ID: 10337995011)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-5_30_20160206 (Lab ID: 10337995012)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-6_10_20160206 (Lab ID: 10337995014)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-6_20_20160206 (Lab ID: 10337995015)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-6_30_20160206 (Lab ID: 10337995016)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-6_30_20160206DUP (Lab ID: 10337995017)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-6_5_20160206 (Lab ID: 10337995013)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25215

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 2191518)
 - Methyl acetate

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- LCS (Lab ID: 2191518)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25215

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Chloropentafluoroethane
- Freon 123
- VP-1_10_20160206 (Lab ID: 10337995002)
 - Chloropentafluoroethane
 - Freon 123
- VP-1_20_20160206 (Lab ID: 10337995003)
 - Chloropentafluoroethane
 - Freon 123
- VP-1_30_20160206 (Lab ID: 10337995004)
 - Chloropentafluoroethane
 - Freon 123
- VP-1_5_20160206 (Lab ID: 10337995001)
 - Chloropentafluoroethane
 - Freon 123
- VP-2_10_20160206 (Lab ID: 10337995006)
 - Chloropentafluoroethane
 - Freon 123
- VP-2_20_20160206 (Lab ID: 10337995007)
 - Chloropentafluoroethane
 - Freon 123
- VP-2_30_20160206 (Lab ID: 10337995008)
 - Chloropentafluoroethane
 - Freon 123
- VP-2_5_20160206 (Lab ID: 10337995005)
 - Chloropentafluoroethane
 - Freon 123
- VP-5_10_20160206 (Lab ID: 10337995009)
 - Chloropentafluoroethane
 - Freon 123
- VP-5_20_20160206 (Lab ID: 10337995010)
 - Chloropentafluoroethane
 - Freon 123
- VP-5_20_20160206DUP (Lab ID: 10337995011)
 - Chloropentafluoroethane
 - Freon 123
- VP-5_30_20160206 (Lab ID: 10337995012)
 - Chloropentafluoroethane
 - Freon 123
- VP-6_10_20160206 (Lab ID: 10337995014)
 - Chloropentafluoroethane
 - Freon 123
- VP-6_20_20160206 (Lab ID: 10337995015)
 - Chloropentafluoroethane
 - Freon 123

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25215

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- VP-6_30_20160206 (Lab ID: 10337995016)
 - Chloropentafluoroethane
 - Freon 123
- VP-6_30_20160206DUP (Lab ID: 10337995017)
 - Chloropentafluoroethane
 - Freon 123
- VP-6_5_20160206 (Lab ID: 10337995013)
 - Chloropentafluoroethane
 - Freon 123

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: AIR/25215

A3: The sample was analyzed by serial dilution.

- VP-2_10_20160206 (Lab ID: 10337995006)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507644 LMC Great Neck
Pace Project No.: 10337995

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10337995001	VP-1_5_20160206	Air	02/06/16 11:37	02/09/16 10:00
10337995002	VP-1_10_20160206	Air	02/06/16 11:12	02/09/16 10:00
10337995003	VP-1_20_20160206	Air	02/06/16 10:58	02/09/16 10:00
10337995004	VP-1_30_20160206	Air	02/06/16 10:52	02/09/16 10:00
10337995005	VP-2_5_20160206	Air	02/06/16 11:05	02/09/16 10:00
10337995006	VP-2_10_20160206	Air	02/06/16 11:03	02/09/16 10:00
10337995007	VP-2_20_20160206	Air	02/06/16 11:03	02/09/16 10:00
10337995008	VP-2_30_20160206	Air	02/06/16 11:01	02/09/16 10:00
10337995009	VP-5_10_20160206	Air	02/06/16 10:50	02/09/16 10:00
10337995010	VP-5_20_20160206	Air	02/06/16 11:25	02/09/16 10:00
10337995011	VP-5_20_20160206DUP	Air	02/06/16 11:25	02/09/16 10:00
10337995012	VP-5_30_20160206	Air	02/06/16 10:23	02/09/16 10:00
10337995013	VP-6_5_20160206	Air	02/06/16 12:27	02/09/16 10:00
10337995014	VP-6_10_20160206	Air	02/06/16 11:45	02/09/16 10:00
10337995015	VP-6_20_20160206	Air	02/06/16 11:51	02/09/16 10:00
10337995016	VP-6_30_20160206	Air	02/06/16 11:48	02/09/16 10:00
10337995017	VP-6_30_20160206DUP	Air	02/06/16 10:05	02/09/16 10:00
10337995018	Unused Can#1192	Air		02/09/16 10:00
10337995019	Unused Can#2093	Air		02/09/16 10:00
10337995020	Unused Can#1073	Air		02/09/16 10:00
10337995021	Unused Can#0593	Air		02/09/16 10:00

REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/02/2016
Lab File ID (Standard): 06211.D Time Analyzed: 14:40
Instrument ID: 10AIR0 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	1567223	4.648	629150	7.591
UPPER LIMIT	2194112	5.148	880810	8.091
LOWER LIMIT	940334	4.148	377490	7.091
EPA SAMPLE NO.				
BLANK for HBN 401057 [AIR/2521	809240 *	4.648	308688 *	7.565
LCS for HBN 401057 [AIR/25215]	899822 *	4.648	376747 *	7.596
VP-1_5_20160206	722923 *	4.643	291857 *	7.566
VP-1_10_20160206	757783 *	4.648	297694 *	7.565
VP-1_20_20160206	790815 *	4.653	314407 *	7.571
VP-1_30_20160206	727261 *	4.653	282990 *	7.571
VP-2_5_20160206	798050 *	4.648	325699 *	7.565
VP-2_10_20160206	768746 *	4.658	319031 *	7.571
VP-2_20_20160206	754898 *	4.643	311751 *	7.566
VP-2_30_20160206	717125 *	4.653	296716 *	7.566
VP-5_10_20160206	761818 *	4.653	320399 *	7.566
VP-5_20_20160206	798510 *	4.658	345629 *	7.571
VP-5_20_20160206DUP	760183 *	4.653	316573 *	7.565
VP-5_30_20160206	746029 *	4.653	303231 *	7.571
VP-6_5_20160206	763952 *	4.653	308969 *	7.571
VP-6_10_20160206	710511 *	4.653	298001 *	7.571
VP-6_20_20160206	753356 *	4.653	306692 *	7.566
VP-6_30_20160206	733914 *	4.643	298762 *	7.565
VP-6_30_20160206DUP	776462 *	4.653	320703 *	7.571

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 02/14/2016
Lab File ID (Standard): 04507.D Time Analyzed: 10:27
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	409242	4.551	291609	7.373
UPPER LIMIT	572939	5.051	408253	7.873
LOWER LIMIT	245545	4.051	174965	6.873
EPA SAMPLE NO.				
BLANK for HBN 401057 [AIR/2521	462322	4.533	264736	7.361
LCS for HBN 401057 [AIR/25215]	476390	4.539	316559	7.367
VP-1_5_20160206	433118	4.533	256238	7.361
VP-1_10_20160206	380927	4.533	220210	7.361
VP-1_20_20160206	398913	4.539	232753	7.367
VP-1_30_20160206	416148	4.539	241476	7.367
VP-2_5_20160206	412322	4.533	243709	7.361
VP-2_10_20160206	414898	4.539	248918	7.361
VP-2_20_20160206	373464	4.533	218860	7.361
VP-2_30_20160206	374106	4.539	225305	7.361
VP-2_5_20160206	369249	4.533	219125	7.361
VP-5_10_20160206	398487	4.533	239450	7.361
VP-5_20_20160206	368538	4.533	220690	7.361
VP-5_20_20160206DUP	367400	4.533	225237	7.361
VP-5_30_20160206	357507	4.533	216847	7.361
VP-6_5_20160206	356256	4.533	212607	7.361
VP-6_10_20160206	359117	4.539	214083	7.367
VP-6_20_20160206	361413	4.533	210452	7.361
VP-6_30_20160206	345210	4.533	209988	7.361
VP-6_30_20160206DUP	357860	4.539	211119	7.361

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 401057 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337995

Lab File ID: 06406.D

Lab Sample ID: 2191517

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 12:15

Instrument ID: 10AIR0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 401057 [AIR/	2191518	06403L.D	10:45
02	VP-5_20_20160206	10337995010	06407.D	12:46
03	VP-1_20_20160206	10337995003	06408.D	13:17
04	VP-2_5_20160206	10337995005	06409.D	13:50
05	VP-6_30_20160206DUP	10337995017	06410.D	14:21
06	VP-5_10_20160206	10337995009	06411.D	14:52
07	VP-5_20_20160206DUP	10337995011	06412.D	15:26
08	VP-6_20_20160206	10337995015	06413.D	15:59
09	VP-1_10_20160206	10337995002	06414.D	16:30
10	VP-2_20_20160206	10337995007	06415.D	17:01
11	VP-6_5_20160206	10337995013	06416.D	17:34
12	VP-2_10_20160206	10337995006	06417.D	18:05
13	VP-5_30_20160206	10337995012	06418.D	18:38
14	VP-6_30_20160206	10337995016	06419.D	19:12
15	VP-1_5_20160206	10337995001	06420.D	19:43
16	VP-6_10_20160206	10337995014	06421.D	20:14
17	VP-1_30_20160206	10337995004	06422.D	20:45
18	VP-2_30_20160206	10337995008	06423.D	21:18

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 401057 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337995

Lab File ID: 04514_25215.D

Lab Sample ID: 2191517

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 13:47

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 401057 [AIR/	2191518	04511_25215.D	12:03
02	VP-1_5_20160206	10337995001	04517.D	15:09
03	VP-1_10_20160206	10337995002	04519.D	16:04
04	VP-1_20_20160206	10337995003	04520.D	16:32
05	VP-1_30_20160206	10337995004	04521.D	16:59
06	VP-2_5_20160206	10337995005	04522.D	17:26
07	VP-2_10_20160206	10337995006	04523.D	17:54
08	VP-2_20_20160206	10337995007	04524.D	18:21
09	VP-2_30_20160206	10337995008	04525.D	18:48
10	VP-5_10_20160206	10337995009	04526.D	19:16
11	VP-5_20_20160206	10337995010	04528.D	20:06
12	VP-5_20_20160206DUP	10337995011	04529.D	20:34
13	VP-5_30_20160206	10337995012	04530.D	21:01
14	VP-6_5_20160206	10337995013	04531.D	21:29
15	VP-6_10_20160206	10337995014	04532.D	21:56
16	VP-6_20_20160206	10337995015	04533.D	22:23
17	VP-6_30_20160206	10337995016	04534.D	22:51
18	VP-6_30_20160206DUP	10337995017	04535.D	23:18

QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

QC Batch:	AIR/25215	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10337995001, 10337995002, 10337995003, 10337995004, 10337995005, 10337995006, 10337995007, 10337995008, 10337995009, 10337995010, 10337995011, 10337995012, 10337995013, 10337995014, 10337995015, 10337995016, 10337995017		

METHOD BLANK: 2191517

Matrix: Air

Associated Lab Samples: 10337995001, 10337995002, 10337995003, 10337995004, 10337995005, 10337995006, 10337995007, 10337995008, 10337995009, 10337995010, 10337995011, 10337995012, 10337995013, 10337995014, 10337995015, 10337995016, 10337995017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	02/14/16 13:47	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	02/14/16 13:47	
1,1,2-Trichloroethane	ug/m3	ND	0.55	02/14/16 13:47	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	02/14/16 13:47	
1,1-Dichloroethane	ug/m3	ND	0.82	02/14/16 13:47	
1,1-Dichloroethene	ug/m3	ND	0.81	02/14/16 13:47	
1,1-Difluoroethane	ug/m3	ND	1.4	03/04/16 12:15	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	02/14/16 13:47	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	02/14/16 13:47	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/04/16 12:15	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	02/14/16 13:47	
1,2-Dichlorobenzene	ug/m3	ND	1.2	02/14/16 13:47	
1,2-Dichloroethane	ug/m3	ND	0.41	02/14/16 13:47	
1,2-Dichloropropane	ug/m3	ND	0.94	02/14/16 13:47	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	02/14/16 13:47	
1,3-Butadiene	ug/m3	ND	0.45	02/14/16 13:47	
1,3-Dichlorobenzene	ug/m3	ND	1.2	02/14/16 13:47	
1,4-Dichlorobenzene	ug/m3	ND	1.2	02/14/16 13:47	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	02/14/16 13:47	
2-Butanone (MEK)	ug/m3	ND	3.0	02/14/16 13:47	
2-Hexanone	ug/m3	ND	4.2	02/14/16 13:47	
2-Propanol	ug/m3	ND	2.5	02/14/16 13:47	
4-Ethyltoluene	ug/m3	ND	1.0	02/14/16 13:47	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	02/14/16 13:47	
Acetone	ug/m3	ND	2.4	02/14/16 13:47	
Allyl chloride	ug/m3	ND	1.6	02/14/16 13:47	
Benzene	ug/m3	ND	0.32	02/14/16 13:47	
Bromodichloromethane	ug/m3	ND	1.4	02/14/16 13:47	
Bromoform	ug/m3	ND	10.5	02/14/16 13:47	
Bromomethane	ug/m3	ND	0.79	02/14/16 13:47	
Carbon disulfide	ug/m3	ND	0.63	02/14/16 13:47	
Carbon tetrachloride	ug/m3	ND	0.64	02/14/16 13:47	
Chlorobenzene	ug/m3	ND	0.94	02/14/16 13:47	
Chlorodifluoromethane	ug/m3	ND	0.72	02/14/16 13:47	
Chloroethane	ug/m3	ND	0.54	02/14/16 13:47	
Chloroform	ug/m3	ND	0.50	02/14/16 13:47	
Chloromethane	ug/m3	ND	0.42	02/14/16 13:47	
Chloropentafluoroethane	ug/m3	ND	3.2	03/04/16 12:15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

METHOD BLANK: 2191517

Matrix: Air

Associated Lab Samples: 10337995001, 10337995002, 10337995003, 10337995004, 10337995005, 10337995006, 10337995007, 10337995008, 10337995009, 10337995010, 10337995011, 10337995012, 10337995013, 10337995014, 10337995015, 10337995016, 10337995017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	0.81	02/14/16 13:47	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	02/14/16 13:47	
Cyclohexane	ug/m3	ND	0.70	02/14/16 13:47	
Dibromochloromethane	ug/m3	ND	1.7	02/14/16 13:47	
Dichlorodifluoromethane	ug/m3	ND	1.0	02/14/16 13:47	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	02/14/16 13:47	
Ethylbenzene	ug/m3	ND	0.88	02/14/16 13:47	
Freon 123	ug/m3	ND	3.2	03/04/16 12:15	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	02/14/16 13:47	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	02/14/16 13:47	
m&p-Xylene	ug/m3	ND	1.8	02/14/16 13:47	
Methyl acetate	ug/m3	ND	1.5	03/04/16 12:15	
Methyl-tert-butyl ether	ug/m3	ND	3.7	02/14/16 13:47	
Methylcyclohexane	ug/m3	ND	0.82	02/14/16 13:47	
Methylene Chloride	ug/m3	ND	3.5	02/14/16 13:47	
n-Hexane	ug/m3	ND	0.72	02/14/16 13:47	
o-Xylene	ug/m3	ND	0.88	02/14/16 13:47	
Styrene	ug/m3	ND	0.87	02/14/16 13:47	
Tetrachloroethene	ug/m3	ND	0.69	02/14/16 13:47	
Toluene	ug/m3	ND	0.77	02/14/16 13:47	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	02/14/16 13:47	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	02/14/16 13:47	
Trichloroethene	ug/m3	ND	0.55	02/14/16 13:47	
Trichlorofluoromethane	ug/m3	ND	1.1	02/14/16 13:47	
Vinyl chloride	ug/m3	ND	0.26	02/14/16 13:47	

LABORATORY CONTROL SAMPLE: 2191518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	46.6	84	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	65.6	94	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	48.0	87	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	68.0	87	66-131	
1,1-Dichloroethane	ug/m3	41.2	36.3	88	62-139	
1,1-Dichloroethene	ug/m3	40.3	35.2	87	62-135	
1,1-Difluoroethane	ug/m3		5.9			
1,2,4-Trichlorobenzene	ug/m3	75.5	71.1	94	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	49.4	99	57-143	
1,2-Dibromo-3-chloropropane	ug/m3		20.3			SS
1,2-Dibromoethane (EDB)	ug/m3	78.1	71.4	91	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	53.6	88	57-141	
1,2-Dichloroethane	ug/m3	41.2	33.9	82	61-144	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

LABORATORY CONTROL SAMPLE: 2191518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/m3	47	43.7	93	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	48.0	96	54-147	
1,3-Butadiene	ug/m3	22.5	20.9	93	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	54.1	88	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	50.6	83	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	37.2	102	58-144	
2-Butanone (MEK)	ug/m3	30	28.3	94	66-144	
2-Hexanone	ug/m3	41.7	44.1	106	63-147	
2-Propanol	ug/m3	25	25.0	100	54-146	
4-Ethyltoluene	ug/m3	50	48.8	98	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	41.5	100	58-150	
Acetone	ug/m3	24.2	23.2	96	46-140	
Allyl chloride	ug/m3	31.8	23.9	75	65-142	
Benzene	ug/m3	32.5	28.4	87	62-141	
Bromodichloromethane	ug/m3	68.2	61.8	91	58-149	
Bromoform	ug/m3	105	102	97	61-150	
Bromomethane	ug/m3	39.5	31.9	81	58-136	
Carbon disulfide	ug/m3	31.7	28.1	89	59-135	
Carbon tetrachloride	ug/m3	64	54.9	86	60-149	
Chlorobenzene	ug/m3	46.8	42.7	91	60-150	
Chlorodifluoromethane	ug/m3	36	30.9	86	70-130	
Chloroethane	ug/m3	26.8	23.9	89	61-136	
Chloroform	ug/m3	49.7	41.6	84	65-138	
Chloromethane	ug/m3	21	18.8	89	62-133	
Chloropentafluoroethane	ug/m3		3.6			CL,IC,L2,SS
cis-1,2-Dichloroethene	ug/m3	40.3	35.5	88	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	45.4	98	61-149	
Cyclohexane	ug/m3	35	30.7	88	64-134	
Dibromochloromethane	ug/m3	86.6	83.5	96	59-150	
Dichlorodifluoromethane	ug/m3	50.3	41.5	82	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	59.8	84	62-134	
Ethylbenzene	ug/m3	44.2	40.7	92	59-149	
Freon 123	ug/m3		15.3			CL
Hexachloro-1,3-butadiene	ug/m3	108	134	123	42-150	
Isopropylbenzene (Cumene)	ug/m3	50	46.0	92	65-150	
m&p-Xylene	ug/m3	44.2	41.9	95	59-146	
Methyl acetate	ug/m3		7.3			CH
Methyl-tert-butyl ether	ug/m3	36.7	34.9	95	64-135	
Methylcyclohexane	ug/m3	40.8	35.8	88	70-130	
Methylene Chloride	ug/m3	35.3	32.0	91	64-128	
n-Hexane	ug/m3	35.8	26.7	74	50-138	
o-Xylene	ug/m3	44.2	39.2	89	54-149	
Styrene	ug/m3	43.3	42.0	97	54-150	
Tetrachloroethene	ug/m3	69	61.8	90	60-142	
Toluene	ug/m3	38.3	33.3	87	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	36.5	90	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	45.3	98	59-145	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337995

LABORATORY CONTROL SAMPLE: 2191518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	54.6	48.2	88	60-144	
Trichlorofluoromethane	ug/m3	57.1	44.8	78	59-134	
Vinyl chloride	ug/m3	26	23.8	91	63-135	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337995

Lab File ID: 06201BFB.D

BFB Injection Date: 03/02/2016

Instrument ID: 10AIR0

BFB Injection Time: 09:38

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.01
75	30.00 - 66.00% of mass 95	45.12
96	5.00 - 9.00% of mass 95	6.16
173	Less than 2.00% of mass 174	0.75 (0.87)
174	50.00 - 120.00% of mass 95	86.74
175	4.00 - 9.00% of mass 174	6.47 (7.46)
176	93.00 - 101.00% of mass 174	84.63 (97.58)
177	5.00 - 9.00% of mass 176	5.32 (6.29)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	06203.D	03/02/2016	10:34
2	CAL2	CAL2	06204.D	03/02/2016	11:01
3	CAL3	CAL3	06205.D	03/02/2016	11:29
4	CAL4	CAL4	06206.D	03/02/2016	11:58
5	CAL5	CAL5	06211.D	03/02/2016	14:40
6	CAL6	CAL6	06212.D	03/02/2016	15:13
7	ICV	ICV	06214.D	03/02/2016	16:14

Report Date : 15-Mar-2016 10:34

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-MAR-2016 10:34
End Cal Date : 02-MAR-2016 15:13
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air0.i\030216.b\T015cust_062-16.m
Last Edit : 15-Mar-2016 10:32 10air0.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air0.i\030216.b\06203.D
Level 02: all \\192.168.10.12\chem\10air0.i\030216.b\06204.D
Level 03: all \\192.168.10.12\chem\10air0.i\030216.b\06205.D
Level 04: all \\192.168.10.12\chem\10air0.i\030216.b\06206.D
Level 05: all \\192.168.10.12\chem\10air0.i\030216.b\06211.D
Level 06: all \\192.168.10.12\chem\10air0.i\030216.b\06212.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	2.0000	3.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
1 Chloropentafluoroethane	0.15785	0.12462	0.07982	0.04323	0.02369	0.01552	AVRG		0.07412		77.56189
2 1,1-Difluoroethane	0.31772	0.32428	0.31260	0.30595	0.27542	0.28071	AVRG		0.30278		6.65044
3 Freon 123	0.96691	0.95170	0.91642	0.88661	0.74845	0.78511	AVRG		0.87587		10.24675
4 Methyl Acetate	0.40857	0.40895	0.36799	0.35581	0.31775	0.33211	AVRG		0.36519		10.41781
10 1,2-Dibromo-3-chloropropane	++++	820	6232	25788	69287	103748	LINR	-0.00506	0.24205		0.99768
\$ 5 Hexane-d14 (S)	0.10230	0.09700	0.09605	0.09726	0.09638	0.09766	AVRG		0.09778		2.34379
\$ 7 Toluene-d8 (S)	0.77227	0.79347	0.79478	0.77964	0.78016	0.78826	AVRG		0.78476		1.12812
\$ 9 1,4-dichlorobenzene-d4 (S)	0.06585	0.13992	0.15310	0.16242	0.16490	0.17444	AVRG		0.14344		27.72420

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337995

Lab File ID: 06401BFB.D

BFB Injection Date: 03/04/2016

Instrument ID: 10AIR0

BFB Injection Time: 09:45

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.91
75	30.00 - 66.00% of mass 95	47.80
96	5.00 - 9.00% of mass 95	6.11
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	79.07
175	4.00 - 9.00% of mass 174	5.54 (7.00)
176	93.00 - 101.00% of mass 174	76.10 (96.24)
177	5.00 - 9.00% of mass 176	5.20 (6.84)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	LCS for HBN 401057 [AIR/	2191518	06403L.D	03/04/2016	10:45
2	CCV	CCV	06403C.D	03/04/2016	10:45
3	BLANK for HBN 401057 [AI	2191517	06406.D	03/04/2016	12:15
4	VP-5_20_20160206	10337995010	06407.D	03/04/2016	12:46
5	VP-1_20_20160206	10337995003	06408.D	03/04/2016	13:17
6	VP-2_5_20160206	10337995005	06409.D	03/04/2016	13:50
7	VP-6_30_20160206DUP	10337995017	06410.D	03/04/2016	14:21
8	VP-5_10_20160206	10337995009	06411.D	03/04/2016	14:52
9	VP-5_20_20160206DUP	10337995011	06412.D	03/04/2016	15:26
10	VP-6_20_20160206	10337995015	06413.D	03/04/2016	15:59
11	VP-1_10_20160206	10337995002	06414.D	03/04/2016	16:30
12	VP-2_20_20160206	10337995007	06415.D	03/04/2016	17:01
13	VP-6_5_20160206	10337995013	06416.D	03/04/2016	17:34
14	VP-2_10_20160206	10337995006	06417.D	03/04/2016	18:05
15	VP-5_30_20160206	10337995012	06418.D	03/04/2016	18:38
16	VP-6_30_20160206	10337995016	06419.D	03/04/2016	19:12
17	VP-1_5_20160206	10337995001	06420.D	03/04/2016	19:43
18	VP-6_10_20160206	10337995014	06421.D	03/04/2016	20:14
19	VP-1_30_20160206	10337995004	06422.D	03/04/2016	20:45
20	VP-2_30_20160206	10337995008	06423.D	03/04/2016	21:18

Data File: \\192.168.10.12\chem\10air0.i\030416.b\06403c.D
Report Date: 16-Mar-2016 15:49

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air0.i Injection Date: 04-MAR-2016 10:45
Lab File ID: 06403c.D Init. Cal. Date(s): 02-MAR-2016 02-MAR-2016
Analysis Type: AIR Init. Cal. Times: 10:34 15:13
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air0.i\030416.b\TO15cust_062-16.m

COMPOUND	RRF / AMOUNT	RF2	CCAL RRF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chloropentafluoroethane	0.07412	0.02090	0.02090	0.010	-71.79710	30.00000	Aver	<-
2 1,1-Difluoroethane	0.30278	0.32174	0.32174	0.010	6.26009	30.00000	Aver	
3 Freon 123	0.87587	1.05595	1.05595	0.010	20.56027	30.00000	Aver (M)	
4 Methyl Acetate	0.36519	0.43097	0.43097	0.010	18.01067	30.00000	Aver	
\$ 5 Hexane-d14 (S)	0.09778	0.10282	0.10282	0.010	5.15880	30.00000	Aver	
\$ 7 Toluene-d8 (S)	0.78476	0.80980	0.80980	0.010	3.18965	30.00000	Aver	
\$ 9 1,4-dichlorobenzene-d4 (S)	0.14344	0.14396	0.14396	0.010	0.36301	30.00000	Aver	
10 1,2-Dibromo-3-chloropropane	2.00000	2.06632	0.22477	0.010	3.31614	0.000e+000	Line	<-

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.	
Calculated Average %D/Drift =	16.08196
Maximum Average %D/Drift =	0.000e+000
* Failed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337995

Lab File ID: 04502BFB.D

BFB Injection Date: 02/14/2016

Instrument ID: 10AIR7

BFB Injection Time: 08:29

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	11.83
75	30.00 - 66.00% of mass 95	39.65
96	5.00 - 9.00% of mass 95	7.42
173	Less than 2.00% of mass 174	0.43 (0.37)
174	50.00 - 120.00% of mass 95	116.79
175	4.00 - 9.00% of mass 174	9.13 (7.82)
176	93.00 - 101.00% of mass 174	114.12 (97.71)
177	5.00 - 9.00% of mass 176	7.77 (6.81)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	04503.D	02/14/2016	08:52
2	CAL2	CAL2	04504.D	02/14/2016	09:15
3	CAL3	CAL3	04505.D	02/14/2016	09:39
4	CAL4	CAL4	04506.D	02/14/2016	10:03
5	CAL5	CAL5	04507.D	02/14/2016	10:27
6	CAL6	CAL6	04508.D	02/14/2016	10:51
7	CAL7	CAL7	04509.D	02/14/2016	11:17
8	ICV	ICV	04511.D	02/14/2016	12:03
9	LCS for HBN 401057 [AIR/	2191518	04511_25215.D	02/14/2016	12:03
10	BLANK for HBN 401057 [AI	2191517	04514_25215.D	02/14/2016	13:47
11	K174820616(2190126DUP	2191644-DUP	04516.D	02/14/2016	14:42
12	VP-1_5_20160206	10337995001	04517.D	02/14/2016	15:09
13	VP-1_10_20160206	10337995002	04519.D	02/14/2016	16:04
14	VP-1_20_20160206	10337995003	04520.D	02/14/2016	16:32
15	VP-1_30_20160206	10337995004	04521.D	02/14/2016	16:59
16	VP-2_5_20160206	10337995005	04522.D	02/14/2016	17:26
17	VP-2_10_20160206	10337995006	04523.D	02/14/2016	17:54
18	VP-2_20_20160206	10337995007	04524.D	02/14/2016	18:21
19	VP-2_30_20160206	10337995008	04525.D	02/14/2016	18:48
20	VP-5_10_20160206	10337995009	04526.D	02/14/2016	19:16
21	VP-5_20_20160206	10337995010	04528.D	02/14/2016	20:06
22	VP-5_20_20160206DUP	10337995011	04529.D	02/14/2016	20:34
23	VP-5_30_20160206	10337995012	04530.D	02/14/2016	21:01
24	VP-6_5_20160206	10337995013	04531.D	02/14/2016	21:29
25	VP-6_10_20160206	10337995014	04532.D	02/14/2016	21:56

26	VP-6_20_20160206	10337995015	04533.D	02/14/2016	22:23
27	VP-6_30_20160206	10337995016	04534.D	02/14/2016	22:51
28	VP-6_30_20160206DUP	10337995017	04535.D	02/14/2016	23:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-FEB-2016 08:52
End Cal Date : 14-FEB-2016 11:17
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Calibration File Names:
Level 01: all \\192.168.10.12\chem\10air7.i\021416.b\04503.D
Level 02: all \\192.168.10.12\chem\10air7.i\021416.b\04504.D
Level 03: all \\192.168.10.12\chem\10air7.i\021416.b\04505.D
Level 04: all \\192.168.10.12\chem\10air7.i\021416.b\04506.D
Level 05: all \\192.168.10.12\chem\10air7.i\021416.b\04507.D
Level 06: all \\192.168.10.12\chem\10air7.i\021416.b\04508.D
Level 07: all \\192.168.10.12\chem\10air7.i\021416.b\04509.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
1 Chlorodifluoromethane	1.09488	1.07895	0.95868	0.90041	1.00028	0.96566					
	1.00794						AVRG		1.00097		6.83638
2 Propylene	0.37723	0.37318	0.32427	0.29319	0.34045	0.34203					
	0.35837						AVRG		0.34410		8.51379
3 Dichlorodifluoromethane	3.09387	3.02431	2.74080	2.61896	2.75701	2.51502					
	2.47500						AVRG		2.74642		8.68729
4 Dichlorotetrafluoroethane	2.95433	2.98372	2.69578	2.52761	2.66065	2.42268					
	2.37802						AVRG		2.66040		9.02720

Report Date : 15-Feb-2016 08:44

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.62984	0.65855	0.56750	0.54545	0.63064	0.60463				
	0.62346						AVRG		0.60858	6.48505
6 Vinyl chloride	0.66136	0.69497	0.59242	0.54886	0.65318	0.62686				
	0.67494						AVRG		0.63608	7.99285
7 1,3-Butadiene	0.34307	0.34816	0.31610	0.28846	0.34864	0.34437				
	0.36985						AVRG		0.33695	7.87333
8 Bromomethane	1.17427	1.13192	0.99167	0.98996	1.06941	0.98238				
	1.04300						AVRG		1.05466	7.13850
9 Chloroethane	0.24419	0.28623	0.24569	0.25422	0.28312	0.26992				
	0.29384						AVRG		0.26817	7.59137
10 Ethanol	0.16422	0.15170	0.13660	0.12519	0.16861	0.15962				
	0.17121						AVRG		0.15388	11.20485
11 Vinyl Bromide	1.13698	1.16719	1.03304	1.02035	1.07316	0.94131				
	0.92060						AVRG		1.04181	8.85740

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Pace Analytical Services, Inc.

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Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
12 Isopentane	0.52062 0.48092	0.52083	0.49194	0.44642	0.46426	0.45056	AVRG		0.48222	6.37371
13 Acrolein	0.15618 0.18174	0.14481	0.14026	0.14775	0.17781	0.17030	AVRG		0.15984	10.47127
14 Trichlorofluoromethane	3.30871 2.52518	3.27007	2.93004	2.79555	2.90597	2.58851	AVRG		2.90343	10.45881
15 Acetone	1.12443 0.74001	1.10494	0.98798	0.95946	0.86302	0.77441	AVRG		0.93632	16.14698
16 Isopropyl Alcohol	0.86696 0.79699	0.78185	0.73430	0.71781	0.84916	0.77840	AVRG		0.78935	6.93559
17 Acrylonitrile	0.34134 0.38650	0.31537	0.32637	0.31222	0.39548	0.36883	AVRG		0.34944	9.78359
18 1,1-Dichloroethene	1.22744 1.08728	1.18539	1.01857	1.03158	1.13785	1.03327	AVRG		1.10306	7.47836

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Pace Analytical Services, Inc.

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Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	1.41409 1.06663	1.36702	1.26377	1.22201	1.34525	1.12805	AVRG		1.25812	10.19423
20 Freon 113	2.47461 1.67800	2.38844	2.10765	2.03189	2.10738	1.78002	AVRG		2.08114	13.95760
21 Methylene chloride	0.66905 0.55770	0.67984	0.61784	0.60373	0.63344	0.57314	AVRG		0.61925	7.37375
22 Allyl Chloride	0.30429 0.28308	0.29226	0.29547	0.28100	0.31244	0.28620	AVRG		0.29354	3.93022
23 Carbon Disulfide	2.39378 2.31607	2.21295	2.03346	1.97722	2.23710	2.09557	AVRG		2.18088	6.96098
24 trans-1,2-dichloroethene	0.97339 0.85793	1.00904	0.89554	0.85007	0.90918	0.85232	AVRG		0.90678	6.91579
25 Methyl Tert Butyl Ether	2.15955 1.39751	2.19939	1.98828	1.91906	1.87677	1.56091	AVRG		1.87164	15.84277

Report Date : 15-Feb-2016 08:44

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Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
26 Vinyl Acetate	1.45190 1.49224	1.42784	1.24576	1.14728	1.38607	1.37415	AVRG		1.36075	8.98615
27 1,1-Dichloroethane	1.36217 1.26506	1.29515	1.17582	1.11781	1.24490	1.20516	AVRG		1.23801	6.50001
29 Methyl Ethyl Ketone	0.31583 0.31414	0.31915	0.27500	0.27811	0.33121	0.31590	AVRG		0.30705	7.03548
30 n-Hexane	1.25222 0.90597	0.88972	0.80205	0.77113	0.85196	0.85899	AVRG		0.90458	17.72499
31 Di-isopropyl Ether	1.70249 1.17887	1.74120	1.50038	1.47113	1.53297	1.29537	AVRG		1.48892	13.57844
32 Ethyl Acetate	1.29408 1.13321	1.13585	0.99399	0.92439	1.08742	1.05611	AVRG		1.08929	10.82458
33 cis-1,2-Dichloroethene	1.10162 0.98730	0.99261	0.92409	0.92595	0.97478	0.93185	AVRG		0.97688	6.38307

Report Date : 15-Feb-2016 08:44

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	2.04532	2.04850	1.80498	1.75478	1.78092	1.49541				
	1.35189						AVRG		1.75454	14.77992
35 Chloroform	2.27060	2.09559	1.98995	1.90053	1.98323	1.81857				
	1.77432						AVRG		1.97612	8.58017
36 Tetrahydrofuran	0.50666	0.46000	0.44919	0.42668	0.49624	0.50053				
	0.54378						AVRG		0.48330	8.26816
37 1,1,1-Trichloroethane	2.26579	2.23368	2.11251	2.09368	2.26231	2.14829				
	2.17426						AVRG		2.18436	3.23321
38 1,2-Dichloroethane	1.33570	1.24389	1.17478	1.12753	1.22319	1.16751				
	1.17434						AVRG		1.20671	5.67792
39 Benzene	2.64831	2.75279	2.50917	2.39881	2.56635	2.47648				
	2.46711						AVRG		2.54558	4.74997
40 Carbon tetrachloride	2.58865	2.63126	2.64377	2.61480	2.88433	2.70772				
	2.67106						AVRG		2.67737	3.69865

Report Date : 15-Feb-2016 08:44

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-FEB-2016 08:52
End Cal Date : 14-FEB-2016 11:17
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.90651 0.82689	0.88077	0.78558	0.76286	0.79877	0.79641	AVRG		0.82254	6.40164
42 Tert Amyl Methyl Ether	2.60549 1.59321	2.60448	2.21919	2.18834	2.13846	1.77898	AVRG		2.16116	17.59136
44 2,2,4-Trimethylpentane	2.76658 2.35424	2.81674	2.64250	2.54572	2.66101	2.44226	AVRG		2.60415	6.43246
45 Heptane	0.97171 0.94134	0.89107	0.87142	0.83600	0.91023	0.89529	AVRG		0.90244	4.94087
46 1,2-Dichloropropane	0.77708 0.86002	0.73029	0.79945	0.72682	0.83153	0.82359	AVRG		0.79268	6.41562
47 Trichloroethene	1.94293 1.81710	1.92550	1.77253	1.72888	1.90860	1.79949	AVRG		1.84215	4.52239
48 1,4-Dioxane	1929 629886	4392	11100	20999	249424	445955	LINR	0.00902	0.54036	0.99818

Report Date : 15-Feb-2016 08:44

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-FEB-2016 08:52
End Cal Date : 14-FEB-2016 11:17
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	2.02569	2.25158	2.07499	2.10238	2.43943	2.30681				
	2.32845						AVRG		2.21848	6.91113
50 Methylcyclohexane	0.72367	0.65083	0.60455	0.59043	0.69227	0.67664				
	0.68249						AVRG		0.66012	7.28526
51 Methyl Isobutyl Ketone	1.31126	1.36559	1.21938	1.21083	1.31544	1.14835				
	1.09448						AVRG		1.23791	7.89880
52 cis-1,3-Dichloropropene	1.27436	1.36174	1.25256	1.30017	1.66032	1.59465				
	1.67363						AVRG		1.44535	13.09972
53 trans-1,3-Dichloropropene	1.11196	1.15044	1.06086	1.10024	1.57038	1.50947				
	1.61152						AVRG		1.30213	19.04039
55 Toluene	3.72732	3.51240	3.37309	3.29314	3.48496	3.27485				
	3.26808						AVRG		3.41912	4.91781
56 1,1,2-Trichloroethane	1.55175	1.50057	1.30730	1.25967	1.42722	1.34765				
	1.36380						AVRG		1.39399	7.52179

Report Date : 15-Feb-2016 08:44

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-FEB-2016 08:52
End Cal Date : 14-FEB-2016 11:17
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Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
57 Methyl Butyl Ketone	1.85240 1.36907	1.93031	1.79078	1.71381	1.83030	1.52276	AVRG		1.71563		11.67931
58 Dibromochloromethane	4.46926 4.06715	4.57667	4.22316	4.38566	4.90809	4.29769	AVRG		4.41824		6.16094
59 1,2-Dibromoethane	3.98465 3.17007	3.81977	3.48408	3.41638	3.70563	3.26057	AVRG		3.54874		8.42401
60 Tetrachloroethene	4.16087 3.14983	4.25709	3.91597	3.78285	3.78225	3.33966	AVRG		3.76979		10.72866
62 Chlorobenzene	5.10074 4.07512	5.36821	4.71134	4.65015	4.81883	4.25376	AVRG		4.71116		9.54217
63 Ethyl Benzene	6.94131 5.45630	7.06799	6.30790	6.33939	6.47422	5.76594	AVRG		6.33615		9.15960
64 m&p-Xylene	5.70814 3.87804	5.48258	5.13361	4.89592	4.89826	4.22060	AVRG		4.88816		13.34220

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Start Cal Date : 14-FEB-2016 08:52
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Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	9065 3759336	18223	43975	93685	1404762	2634434	LINR	0.10726	4.07495		0.99525
66 Styrene	3.92713 3.39765	3.90185	3.56558	3.57445	4.01306	3.51818	AVRG		3.69970		6.51547
67 o-Xylene	5.94719 4.34085	5.92326	5.09956	5.09366	5.20041	4.58663	AVRG		5.17022		11.74098
68 1,1,2,2-Tetrachloroethane	3.74478 3.13466	3.76762	3.40249	3.26962	3.68713	3.24547	AVRG		3.46454		7.62391
69 Isopropylbenzene	8.44290 6.12072	8.07950	7.39563	7.07492	7.38927	6.45660	AVRG		7.27993		11.32847
70 N-Propylbenzene	7.62500 6.72074	7.60104	7.15056	7.12641	8.05054	7.13645	AVRG		7.34439		5.98819
71 4-Ethyltoluene	6.37429 6.00759	6.44002	6.01009	6.06909	7.18979	6.47155	AVRG		6.36606		6.53552

Report Date : 15-Feb-2016 08:44

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-FEB-2016 08:52
End Cal Date : 14-FEB-2016 11:17
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	5.91007	6.28358	5.53051	5.49873	6.17020	5.33040					
	5.04575						AVRG		5.68132		7.99283
73 Tert-Butyl Benzene	6.53338	6.40967	5.82138	5.84027	6.60312	5.81993					
	5.37560						AVRG		6.05762		7.60259
74 1,2,4-Trimethylbenzene	5.34998	5.34030	4.90099	5.16014	5.88349	5.16926					
	4.83799						AVRG		5.23459		6.63586
75 1,3-Dichlorobenzene	8407	16518	39900	86484	1373346	2666649					
	3851647						QUAD	-0.06412	4.96178	-0.28861	0.99979
76 Sec- Butylbenzene	7.82284	7.90067	7.25335	7.20242	8.24762	7.28296					
	6.71201						AVRG		7.48884		6.98175
78 Benzyl Chloride	3367	7063	19088	42167	1137854	2380141					
	3452041						LINR	-0.04394	3.74791		0.99851
79 1,4-Dichlorobenzene	7876	15345	40068	83331	1340940	2609333					
	3720931						QUAD	-0.06903	4.91423	-0.31732	0.99984

Report Date : 15-Feb-2016 08:44

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-FEB-2016 08:52
End Cal Date : 14-FEB-2016 11:17
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 p-Isopropyltoluene	15881	30076	70669	150040	2187664	4046268	LINR	0.05636	6.69319		0.99505
	++++										
81 1,2,3-Trimethylbenzene	5.23821	5.44520	4.56424	4.83697	5.73903	5.10139	AVRG		5.10055		8.02799
	4.77881										
82 1,2-Dichlorobenzene	8184	17047	40377	83315	1304411	2541630	QUAD	-0.06350	4.80842	-0.32470	0.99987
	3600284										
83 N-Butylbenzene	8834	19327	50398	103345	1657441	++++	LINR	-0.07898	5.75378		0.99938
	++++										
84 1,2,4-Trichlorobenzene	769	2448	5720	14064	432391	828904	QUAD	-0.03037	1.40290	0.00103	0.99840
	1326819										
85 Naphthalene	++++	5211	12916	27986	879476	1559484	QUAD	-0.08044	3.02672	-0.17592	0.99731
	2355158										
86 Hexachlorobutadiene	4275	9726	20790	38540	494012	858763	QUAD	0.01257	1.61213	-0.07932	0.99724
	1314976										

Report Date : 15-Feb-2016 08:44

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date   : 14-FEB-2016 08:52
End Cal Date    : 14-FEB-2016 11:17
Quant Method    : ISTD
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\192.168.10.12\chem\10air7.i\021416.b\TO15_045-16.m
Last Edit      : 15-Feb-2016 08:24 10air7.i
```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14 (S)	0.260771 0.313851	0.257711	0.253041	0.252231	0.265931	0.288271	AVRG		0.270261		8.427061
\$ 54 Toluene-d8 (S)	0.726961 0.914601	0.725051	0.743171	0.746401	0.816121	0.867131	AVRG		0.791351		9.572561
\$ 77 1,4-dichlorobenzene-d4 (S)	0.405701 0.591941	0.433041	0.438021	0.493831	0.586451	0.610551	AVRG		0.508501		17.011391

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-FEB-2016 08:52
End Cal Date : 14-FEB-2016 11:17
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\021416.b\T015_045-16.m
Last Edit : 15-Feb-2016 08:24 10air7.i

Average %RSD Results.	
=====	
Calculated Average %RSD = 8.86374	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337995

Lab File ID: 04601BFB.D

BFB Injection Date: 02/15/2016

Instrument ID: 10AIR7

BFB Injection Time: 07:23

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.65
75	30.00 - 66.00% of mass 95	43.38
96	5.00 - 9.00% of mass 95	7.52
173	Less than 2.00% of mass 174	1.08 (0.95)
174	50.00 - 120.00% of mass 95	113.68
175	4.00 - 9.00% of mass 174	8.72 (7.67)
176	93.00 - 101.00% of mass 174	111.91 (98.44)
177	5.00 - 9.00% of mass 176	7.34 (6.56)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	04602.D	02/15/2016	07:47
2	IC	IC	04606.D	02/15/2016	10:10
3	VP-2_10_20160206	10337995006	04608.D	02/15/2016	10:59

cis-1,2-dichloroethene and
tetrachloroethene only

Data File: \\192.168.10.12\chem\10air7.i\021516.b\04602.D
 Report Date: 15-Feb-2016 08:45

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 15-FEB-2016 07:47
 Lab File ID: 04602.D Init. Cal. Date(s): 14-FEB-2016 14-FEB-2016
 Analysis Type: AIR Init. Cal. Times: 08:52 11:17
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10air7.i\021516.b\TO15_045-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	1.00097	1.02681	1.02681	0.010	2.58167	30.00000	Aver	
2 Propylene	0.34410	0.34450	0.34450	0.010	0.11451	30.00000	Aver	
3 Dichlorodifluoromethane	2.74642	2.87488	2.87488	0.010	4.67739	30.00000	Aver	
4 Dichlorotetrafluoroethane	2.66040	2.73450	2.73450	0.010	2.78531	30.00000	Aver	
5 Chloromethane	0.60858	0.64773	0.64773	0.010	6.43260	30.00000	Aver	
6 Vinyl chloride	0.63608	0.66138	0.66138	0.010	3.97733	30.00000	Aver	
7 1,3-Butadiene	0.33695	0.35528	0.35528	0.010	5.43945	30.00000	Aver	
8 Bromomethane	1.05466	1.08551	1.08551	0.010	2.92556	30.00000	Aver	
9 Chloroethane	0.26817	0.28164	0.28164	0.010	5.02303	30.00000	Aver	(M)
10 Ethanol	0.15388	0.18073	0.18073	0.005	17.45168	30.00000	Aver	
11 Vinyl Bromide	1.04181	1.10331	1.10331	0.010	5.90325	30.00000	Aver	
12 Isopentane	0.48222	0.46890	0.46890	0.010	-2.76343	30.00000	Aver	(M)
13 Acrolein	0.15984	0.17827	0.17827	0.010	11.53379	30.00000	Aver	(M)
14 Trichlorofluoromethane	2.90343	3.06631	3.06631	0.010	5.60966	30.00000	Aver	
15 Acetone	0.93632	0.88750	0.88750	0.010	-5.21430	30.00000	Aver	(M)
16 Isopropyl Alcohol	0.78935	0.88196	0.88196	0.010	11.73238	30.00000	Aver	(M)
17 Acrylonitrile	0.34944	0.40203	0.40203	0.010	15.04794	30.00000	Aver	
18 1,1-Dichloroethene	1.10306	1.16867	1.16867	0.010	5.94860	30.00000	Aver	(M)
19 Tert Butyl Alcohol (TBA)	1.25812	1.37715	1.37715	0.010	9.46126	30.00000	Aver	(M)
20 Freon 113	2.08114	2.18163	2.18163	0.010	4.82832	30.00000	Aver	
21 Methylene chloride	0.61925	0.65510	0.65510	0.010	5.78964	30.00000	Aver	
22 Allyl Chloride	0.29354	0.32583	0.32583	0.010	11.00039	30.00000	Aver	
23 Carbon Disulfide	2.18088	2.26392	2.26392	0.010	3.80748	30.00000	Aver	(M)
24 trans-1,2-dichloroethene	0.90678	0.96768	0.96768	0.010	6.71647	30.00000	Aver	(M)
25 Methyl Tert Butyl Ether	1.87164	1.98444	1.98444	0.010	6.02664	30.00000	Aver	
26 Vinyl Acetate	1.36075	1.43755	1.43755	0.010	5.64380	30.00000	Aver	(M)
27 1,1-Dichloroethane	1.23801	1.29429	1.29429	0.010	4.54601	30.00000	Aver	
28 Hexane-d14(S)	0.27026	0.25751	0.25751	0.010	-4.71691	30.00000	Aver	
29 Methyl Ethyl Ketone	0.30705	0.34275	0.34275	0.010	11.62572	30.00000	Aver	
30 n-Hexane	0.90458	0.94175	0.94175	0.010	4.10906	30.00000	Aver	(QM)
31 Di-isopropyl Ether	1.48892	1.58754	1.58754	0.010	6.62412	30.00000	Aver	
32 Ethyl Acetate	1.08929	1.12186	1.12186	0.010	2.98980	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.97688	1.02998	1.02998	0.010	5.43556	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	1.75454	1.84652	1.84652	0.010	5.24225	30.00000	Aver	
35 Chloroform	1.97612	2.06918	2.06918	0.010	4.70960	30.00000	Aver	
36 Tetrahydrofuran	0.48330	0.50127	0.50127	0.010	3.71806	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	2.18436	2.38566	2.38566	0.010	9.21542	30.00000	Aver	
38 1,2-Dichloroethane	1.20671	1.29231	1.29231	0.010	7.09396	30.00000	Aver	
39 Benzene	2.54558	2.62568	2.62568	0.010	3.14679	30.00000	Aver	
40 Carbon tetrachloride	2.67737	3.03983	3.03983	0.010	13.53788	30.00000	Aver	
41 Cyclohexane	0.82254	0.83445	0.83445	0.010	1.44815	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	2.16116	2.24251	2.24251	0.010	3.76396	30.00000	Aver	

Data File: \\192.168.10.12\chem\10air7.i\021516.b\04602.D
Report Date: 15-Feb-2016 08:45

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10air7.i\021516.b\04602.D
 Report Date: 15-Feb-2016 08:45

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 15-FEB-2016 07:47
 Lab File ID: 04602.D Init. Cal. Date(s): 14-FEB-2016 14-FEB-2016
 Analysis Type: AIR Init. Cal. Times: 08:52 11:17
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10air7.i\021516.b\TO15_045-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	2.60415	2.76580	2.76580	0.010	6.20721	30.00000	Aver	
45 Heptane	0.90244	0.90558	0.90558	0.010	0.34876	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.79268	0.86852	0.86852	0.010	9.56736	30.00000	Aver	(M)
47 Trichloroethene	1.84215	2.01040	2.01040	0.010	9.13367	30.00000	Aver	
48 1,4-Dioxane	10.00000	12.74718	0.69783	0.010	27.47181	30.00000	Line	(M)
49 Bromodichloromethane	2.21848	2.56367	2.56367	0.010	15.55978	30.00000	Aver	
50 Methylcyclohexane	0.66012	0.69631	0.69631	0.010	5.48152	30.00000	Aver	
51 Methyl Isobutyl Ketone	1.23791	1.36759	1.36759	0.010	10.47623	30.00000	Aver	
52 cis-1,3-Dichloropropene	1.44535	1.72479	1.72479	0.010	19.33423	30.00000	Aver	
53 trans-1,3-Dichloropropene	1.30213	1.62438	1.62438	0.010	24.74849	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.79135	0.79471	0.79471	0.010	0.42500	30.00000	Aver	
55 Toluene	3.41912	3.61180	3.61180	0.010	5.63549	30.00000	Aver	
56 1,1,2-Trichloroethane	1.39399	1.48472	1.48472	0.010	6.50826	30.00000	Aver	
57 Methyl Butyl Ketone	1.71563	1.90976	1.90976	0.010	11.31509	30.00000	Aver	
58 Dibromochloromethane	4.41824	5.22575	5.22575	0.010	18.27669	30.00000	Aver	
59 1,2-Dibromoethane	3.54874	3.93159	3.93159	0.010	10.78862	30.00000	Aver	
60 Tetrachloroethene	3.76979	3.99421	3.99421	0.010	5.95318	30.00000	Aver	
62 Chlorobenzene	4.71116	5.08106	5.08106	0.010	7.85147	30.00000	Aver	
63 Ethyl Benzene	6.33615	6.83071	6.83071	0.010	7.80544	30.00000	Aver	
64 m&p-Xylene	4.88816	5.13444	5.13444	0.010	5.03830	30.00000	Aver	
65 Bromoform	10.00000	12.35584	5.14220	0.010	23.55838	30.00000	Line	
66 Styrene	3.69970	4.27153	4.27153	0.010	15.45600	30.00000	Aver	
67 o-Xylene	5.17022	5.40260	5.40260	0.010	4.49448	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	3.46454	3.91182	3.91182	0.010	12.91012	30.00000	Aver	
69 Isopropylbenzene	7.27993	7.97010	7.97010	0.010	9.48035	30.00000	Aver	
70 N-Propylbenzene	7.34439	8.53975	8.53975	0.010	16.27579	30.00000	Aver	(M)
71 4-Ethyltoluene	6.36606	7.67708	7.67708	0.010	20.59398	30.00000	Aver	
72 1,3,5-Trimethylbenzene	5.68132	6.55453	6.55453	0.010	15.36980	30.00000	Aver	
73 Tert-Butyl Benzene	6.05762	7.26140	7.26140	0.010	19.87217	30.00000	Aver	
74 1,2,4-Trimethylbenzene	5.23459	6.37521	6.37521	0.010	21.78993	30.00000	Aver	
75 1,3-Dichlorobenzene	10.00000	11.05801	5.06970	0.010	10.58009	30.00000	Quad	
76 Sec- Butylbenzene	7.48884	9.04257	9.04257	0.010	20.74728	30.00000	Aver	
77 1,4-dichlorobenzene-d4 (S)	0.50850	0.57938	0.57938	0.010	13.93886	30.00000	Aver	
78 Benzyl Chloride	10.00000	11.02505	4.08815	0.010	10.25047	30.00000	Line	
79 1,4-Dichlorobenzene	10.00000	10.71852	4.83373	0.010	7.18522	30.00000	Quad	
80 p-Isopropyltoluene	10.00000	11.74249	7.91583	0.010	17.42493	30.00000	Line	(H)
81 1,2,3-Trimethylbenzene	5.10055	6.10912	6.10912	0.010	19.77379	30.00000	Aver	
82 1,2-Dichlorobenzene	10.00000	10.61000	4.67272	0.010	6.09997	30.00000	Quad	
83 N-Butylbenzene	10.00000	10.59605	6.01776	0.010	5.96054	30.00000	Line	
84 1,2,4-Trichlorobenzene	10.00000	12.47212	1.72095	0.010	24.72121	30.00000	Quad	
85 Naphthalene	10.00000	13.34970	3.64662	0.010	33.49699	30.00000	Quad	<-
86 Hexachlorobutadiene	10.00000	14.86036	2.23308	0.010	48.60356	30.00000	Quad	<-

Data File: \\192.168.10.12\chem\10air7.i\021516.b\04602.D
Report Date: 15-Feb-2016 08:45

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 10.08178
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

DATA USABILITY SUMMARY REPORT
FEBRUARY 2016 AIR SAMPLES
PROJECT: LMC GREAT NECK
NEW YORK
DATE SAMPLES COLLECTED: FEBRUARY 2, 2016
LAB REPORT No. 10337934

1.0 INTRODUCTION

Seventeen air samples including two field duplicate sample pairs were collected by Tetra Tech, Inc., at the Lockheed Martin Great Neck site on February 2, 2016. The samples were sent to Pace Analytical Services, Inc. in Minneapolis, Minnesota. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation was conducted using USEPA Region II Standard Operating Procedure (SOP) HW-31, June 2014, Revision 6.

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- Data Completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- Initial/Continuing Calibrations
- Laboratory Method Blank Results
- Internal Standard Results
- Laboratory Control Sample Results
- Field Duplicate Precision
- * ● Compound Identification/Quantitation
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 10337934

Sample ID	Lab ID	Date Collected	Test Requested
VP-108_10_20160202	10337934011	2/2/2016	VOCs
VP-108_20_20160202	10337934012	2/2/2016	VOCs
VP-108_29.5_20160202	10337934013	2/2/2016	VOCs
VP-108_5_20160202	10337934010	2/2/2016	VOCs
VP-108D_50.5_20160202	10337934014	2/2/2016	VOCs
VP-108D_50.5_20160202DUP	10337934015	2/2/2016	VOCs
VP-108D_60_20160202	10337934016	2/2/2016	VOCs
VP-108D_70_20160202	10337934017	2/2/2016	VOCs
VP-3_10_20160202	10337934003	2/2/2016	VOCs
VP-3_20_20160202	10337934004	2/2/2016	VOCs
VP-3_30_20160202	10337934005	2/2/2016	VOCs
VP-3_5_20160202	10337934001	2/2/2016	VOCs
VP-3_5_20160202 DUP	10337934002	2/2/2016	VOCs
VP-3D_40_20160202	10337934006	2/2/2016	VOCs
VP-3D_51_20160202	10337934007	2/2/2016	VOCs
VP-3D_61_20160202	10337934008	2/2/2016	VOCs
VP-3D_73_20160202	10337934009	2/2/2016	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

The results for compound 1,1,2-trichlorotrifluoroethane was missing from this report. The laboratory was contacted and confirmed the results were missing and would be provided. The results were manually added to the database.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- All project samples were properly preserved and analyzed within the required hold time for VOC analyses.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- The initial calibration performed on 3/2/2016 on instrument 10AIR0 had a Relative Percent Standard Deviation (%RSD) which exceeded the 30% quality control limit for pentafluoroethyl chloride (chloropentafluoroethane). All samples were affected. Only non-detected results were reported for this compound in the affected samples and these non-detects were qualified as estimated, "UJ".
- The continuing calibration performed on 3/2/2016 @ 16:14 on instrument 10AIR0 had Percent Differences (%Ds) for pentafluoroethyl chloride, 1,1-dichloro-2,2,2-trifluoroethane (Freon 123), and methyl acetate, and a Percent Drift (%Drift) for 1,2-dibromo-3-chloropropane which exceeded the 30% quality control limit. All samples were affected. The non-detected results were reported for these compounds in the affected samples were qualified as estimated, "UJ".
- The initial calibration performed on 2/24/2016 and associated continuing calibrations on instrument 10AIRB only reported results for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene.
- All initial and continuing calibration Relative Response Factors (RRFs) were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set. However, as stated by the laboratory, detected results reported for the common laboratory contaminant, methylene chloride, should be considered with high bias because the organic solvent vapor extraction laboratory is in the same building. The detected methylene chloride results reported for the samples in this DUSR were qualified as biased high, estimated, (J+).

Internal Standards Area Performance:

- The internal standard area counts for chlorobenzene-d5 were below the 60% quality control limit for sample VP-108_29.5_20160202 analyzed on 2/14/2016 @ 21:05. The detected and non-detected results reported for the associated target compounds reported from this analysis were qualified as estimated, (J) and (UJ), respectively, in this sample.

Laboratory Control Spike (LCS) Results:

- The Percent Recovery (%R) for 1,2-dibromo-3-chloropropane was below the lower quality control limit in the LCS. In addition the %R for pentafluoroethyl chloride was above the upper quality control limit. All samples were affected. No action was taken for

pentafluoroethyl chloride because this compounds was not detected in the affected samples. The non-detected results reported for 1,2-dibromo-3-chloropropane in the affected samples were qualified as estimated, (UJ).

- The remaining LCS results were within the quality control limits.

Field Duplicate Precision: Field duplicates are collected to provide information on sampling precision.

- VP-108D_50.5_20160202 was collected as a field duplicate sample of VP-108D_50.5_20160202DUP. The Relative Percent Difference (RPD) exceeded the 50% quality control criterion for chlorodifluoromethane in the field duplicate pair. The detected results reported for this compound in the field duplicate pair were qualified as estimated, (J), due to field duplicate imprecision.
- VP-3_5_20160202 was collected as a field duplicate sample of VP-3_5_20160202DUP. The difference between the detected and non-detected results for 2-hexanone and trichloroethene results exceeded 2X the Reporting Limit (RL). The detected and non-detected results reported for these compounds in the field duplicate pair were qualified as estimated, (J) and (UJ), respectively.
- The remaining results associated with these two field duplicate sample pairs fell within quality control limits.

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Detection Limits: Non-detected results were reported to the RL. All samples were initially analyzed at dilutions ranging from 1.61X to 9.38X, resulting in elevated reporting limits. Samples VP-108_29.5_20160202, VP-108D_50.5_20160202, VP-108D_50.5_20160202DUP, VP-108D_70_20160202, VP-3_10_20160202, VP-3_30_20160202, VP-3D_40_20160202, VP-3D_51_20160202, VP-3D_61_20160202, and VP-3D_73_20160202 were further diluted to report results for cis-1,2-trichloroethene, tetrachloroethene, and/or trichloroethene which exceeded the calibration range of the instrument in the initial analyses.

- Trans-1,2-dichloroethene was initially reported as a non-detect in sample VP-108_29.5_20160202 because it was reported from the 1228.8X dilution. The data validator requested that the laboratory report the detected result for this compound from the 1.92X dilution even though the result exceeded the calibration range of the instrument. The laboratory concurred and revised the result. The detected result for trans-1,2-dichloroethene in this sample was qualified as estimated, (J), due to the instrument calibration range exceedance. Tetrachloroethene was also qualified as estimated (J) for a linear calibration range exceedance in the dilution analysis of the aforementioned sample.

- 2-Hexanone exceeded the calibration range of the instrument in sample VP-108D_50.5_20160202. The sample was not reanalyzed at a dilution. The detected result reported for 2-hexanone in this sample was qualified as estimated, (J).

Additional Comments: All sample canisters contained an initial vacuum of approximately -28 to -30 psig and finished at -8 to -8.5 psig.

4.0 CONCLUSIONS

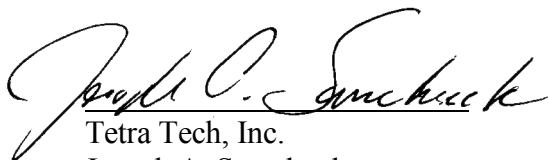
The detected results for methylene chloride should be considered a probable laboratory contaminant because of the following:

- The samples were analyzed in the same building as the organic solvent vapor extraction laboratory.

With the exception of the aforementioned detected methylene chloride results, which are considered to be related to lab contamination, overall data quality as summarized in the DUSR is acceptable based on the outcome of data validation.



Tetra Tech, Inc.
Michelle L. Allen
Chemist/Data Validator



Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

May 25, 2016

Attachments:

- Appendix A – Qualified Analytical Results
- Appendix B – Results as Reported by the Laboratory
- Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $<$ CRQL for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $>40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $<30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-108_10_20160202			VP-108_20_20160202			VP-108_29.5_20160202			VP-108_5_20160202		
	LAB_ID	10337934011			10337934012			10337934013			10337934010		
	SAMP_DATE	2/2/2016			2/2/2016			2/2/2016			2/2/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		2	U		1.9	U		139			1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.3	U		1.2	U		1.3	UJ	N	1.2	U	
1,1,2-TRICHLOROETHANE		1	U		0.92	U		6.1			0.96	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.9	U		2.7	U		16700			2.8	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.8	UJ	C	5.3	UJ	C	6.1	UJ	C	5.6	UJ	C
1,1-DICHLOROETHANE		1.5	U		1.4	U		46.2			1.4	U	
1,1-DICHLOROETHENE		1.5	U		1.4	U		43.3			1.4	U	
1,1-DIFLUOROETHANE		2.5	U		2.3	U		2.6	U		2.4	U	
1,2,4-TRICHLOROBENZENE		13.8	U		12.7	U		14.5	UJ	N	13.2	U	
1,2,4-TRIMETHYLBENZENE		4.6	U		4.2	U		4.8	UJ	N	4.4	U	
1,2-DIBROMO-3-CHLOROPROPANE		9	UJ	CE	8.2	UJ	CE	9.4	UJ	CE	8.6	UJ	CE
1,2-DIBROMOETHANE		2.9	U		2.6	U		3	UJ	N	2.7	U	
1,2-DICHLOROBENZENE		5.6	U		5.1	U		5.9	UJ	N	5.3	U	
1,2-DICHLOROETHANE		0.75	U		0.69	U		9.6			0.72	U	
1,2-DICHLOROPROPANE		1.7	U		1.6	U		1.8	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.6	U		2.4	U		2.7	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		9.1	U		8.4	U		9.6	UJ	N	8.7	U	
1,3-BUTADIENE		0.82	U		0.76	U		0.86	U		0.79	U	
1,3-DICHLOROBENZENE		2.2	U		2	U		6.3	J	N	2.1	U	
1,4-DICHLOROBENZENE		11.2	U		10.3	U		11.7	UJ	N	10.7	U	
1,4-DIOXANE		6.7	U		6.1	U		7	U		6.4	U	
1-ETHYL-4-METHYL BENZENE		9.1	U		8.4	U		9.6	UJ	N	8.7	U	
2-BUTANONE		5.5	U		5	U		5.8	U		5.2	U	
2-HEXANONE		19	U		17.5	U		20	UJ	N	18.2	U	
3-CHLOROPROPENE		7.3	U		6.7	U		7.6	U		7	U	
4-METHYL-2-PENTANONE		7.6	U		7	U		8	U		7.3	U	
ACETONE		33.3			4.9			14			4.2	U	
BENZENE		1.2	U		1.1	U		17.1			1.1	U	
BROMODICHLOROMETHANE		2.5	U		2.3	U		2.6	U		2.4	U	
BROMOFORM		9.6	U		8.8	U		10.1	UJ	N	9.2	U	
BROMOMETHANE		1.4	U		1.3	U		1.5	U		1.4	U	
CARBON DISULFIDE		2.9	U		2.7	U		3	U		2.8	U	
CARBON TETRACHLORIDE		2.3	U		2.1	U		2.5	U		2.2	U	
CHLOROBENZENE		1.7	U		1.6	U		1.8	U		1.6	U	
CHLORODIBROMOMETHANE		15.8	U		14.5	U		16.6	UJ	N	15.2	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-108D_50.5_20160202			VP-108D_50.5_20160202DUP						VP-108D_60_20160202		
	LAB_ID	10337934014			10337934015						10337934016		
	SAMP_DATE	2/2/2016			2/2/2016						2/2/2016		
	QC_TYPE	NM			NM						NM		
	UNITS	UG/M3			UG/M3						UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-108D_50.5_20160202					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U					1.9	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.8						1.8			1.2	U	
1,1,2-TRICHLOROETHANE		0.96	U					0.96	U		0.96	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		92.2			102						2.8	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		29.8	UJ	C				22.3	UJ	C	5.6	UJ	C
1,1-DICHLOROETHANE		1.4	U					1.4	U		1.4	U	
1,1-DICHLOROETHENE		33						36			1.4	U	
1,1-DIFLUOROETHANE		12.9	U					9.6	U		2.4	U	
1,2,4-TRICHLOROBENZENE		13.2	U					13.2	U		13.2	U	
1,2,4-TRIMETHYLBENZENE		6.1						6.6			4.4	U	
1,2-DIBROMO-3-CHLOROPROPANE		46.1	UJ	CE				34.4	UJ	CE	8.6	UJ	CE
1,2-DIBROMOETHANE		2.7	U					2.7	U		2.7	U	
1,2-DICHLOROBENZENE		5.3	U					5.3	U		5.3	U	
1,2-DICHLOROETHANE		0.72	U					0.72	U		0.72	U	
1,2-DICHLOROPROPANE		1.6	U					1.6	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.5	U					2.5	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		8.7	U					8.7	U		8.7	U	
1,3-BUTADIENE		0.79	U					0.79	U		0.79	U	
1,3-DICHLOROBENZENE		2.1	U					2.1	U		2.1	U	
1,4-DICHLOROBENZENE		10.7	U					10.7	U		10.7	U	
1,4-DIOXANE		6.4	U					6.4	U		6.4	U	
1-ETHYL-4-METHYL BENZENE		8.7	U					8.7	U		8.7	U	
2-BUTANONE		5.2	U					5.2	U		5.2	U	
2-HEXANONE		18.2	U					18.2	U		18.2	U	
3-CHLOROPROPENE		7	U					7	U		7	U	
4-METHYL-2-PENTANONE		7.3	U					7.3	U		7.3	U	
ACETONE		12						4.2	U		8.8		
BENZENE		1.1	U					1.1	U		1.1	U	
BROMODICHLOROMETHANE		2.4	U					2.4	U		2.4	U	
BROMOFORM		9.2	U					9.2	U		9.2	U	
BROMOMETHANE		1.4	U					1.4	U		1.4	U	
CARBON DISULFIDE		2.8	U					2.8	U		2.8	U	
CARBON TETRACHLORIDE		2.2	U					2.2	U		2.2	U	
CHLOROBENZENE		1.6	U					1.6	U		1.6	U	
CHLORODIBROMOMETHANE		15.2	U					15.2	U		15.2	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-108D_70_20160202			VP-3_10_20160202			VP-3_20_20160202			VP-3_30_20160202		
	LAB_ID	10337934017			10337934003			10337934004			10337934005		
	SAMP_DATE	2/2/2016			2/2/2016			2/2/2016			2/2/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U		1.8	U		1.9	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U		1.1	U		1.2	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.92	U		0.89	U		0.96	U		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		39.5			6.8			2.8	U		7.9		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.3	UJ	C	5.1	UJ	C	5.6	UJ	C	5.3	UJ	C
1,1-DICHLOROETHANE		1.4	U		1.3	U		1.4	U		1.4	U	
1,1-DICHLOROETHENE		3.8			1.3	U		1.4	U		1.4	U	
1,1-DIFLUOROETHANE		2.3	U		2.2	U		2.4	U		2.3	U	
1,2,4-TRICHLOROBENZENE		12.7	U		12.1	U		13.2	U		12.7	U	
1,2,4-TRIMETHYLBENZENE		4.2	U		4	U		4.4	U		4.2	U	
1,2-DIBROMO-3-CHLOROPROPANE		8.2	UJ	CE	7.9	UJ	CE	8.6	UJ	CE	8.2	UJ	CE
1,2-DIBROMOETHANE		2.6	U		2.5	U		2.7	U		2.6	U	
1,2-DICHLOROBENZENE		5.1	U		4.9	U		5.3	U		5.1	U	
1,2-DICHLOROETHANE		0.69	U		0.66	U		0.72	U		0.69	U	
1,2-DICHLOROPROPANE		1.6	U		1.5	U		1.6	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.4	U		2.3	U		2.5	U		2.4	U	
1,3,5-TRIMETHYLBENZENE		8.4	U		8	U		8.7	U		8.4	U	
1,3-BUTADIENE		0.76	U		0.72	U		0.79	U		0.76	U	
1,3-DICHLOROBENZENE		2	U		2	U		2.1	U		2	U	
1,4-DICHLOROBENZENE		10.3	U		9.8	U		10.7	U		10.3	U	
1,4-DIOXANE		6.1	U		5.9	U		6.4	U		6.1	U	
1-ETHYL-4-METHYL BENZENE		8.4	U		8	U		8.7	U		8.4	U	
2-BUTANONE		5	U		4.8	U		5.2	U		5	U	
2-HEXANONE		17.5	U		16.8	U		18.2	U		17.5	U	
3-CHLOROPROPENE		6.7	U		6.4	U		7	U		6.7	U	
4-METHYL-2-PENTANONE		7	U		6.7	U		7.3	U		7	U	
ACETONE		16.1			47.1			19.2			13.4		
BENZENE		1.1	U		1	U		1.1	U		1.1	U	
BROMODICHLOROMETHANE		2.3	U		2.2	U		2.4	U		2.3	U	
BROMOFORM		8.8	U		8.5	U		9.2	U		8.8	U	
BROMOMETHANE		1.3	U		1.3	U		1.4	U		1.3	U	
CARBON DISULFIDE		2.7	U		2.5	U		2.8	U		2.7	U	
CARBON TETRACHLORIDE		2.1	U		2.1	U		2.2	U		2.1	U	
CHLOROBENZENE		1.6	U		1.5	U		1.6	U		1.6	U	
CHLORODIBROMOMETHANE		14.5	U		13.9	U		15.2	U		14.5	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-3_5_20160202			VP-3_5_20160202 DUP						VP-3D_40_20160202		
	LAB_ID	10337934001			10337934002						10337934006		
	SAMP_DATE	2/2/2016			2/2/2016						2/2/2016		
	QC_TYPE	NM			NM						NM		
	UNITS	UG/M3			UG/M3						UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-3_5_20160202					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U					1.9	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U					1.2	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.92	U					0.92	U		0.96	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.7	U		2.7	U					16.8		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.3	UJ	C				5.3	UJ	C	5.6	UJ	C
1,1-DICHLOROETHANE		1.4	U					1.4	U		1.4	U	
1,1-DICHLOROETHENE		1.4	U					1.4	U		1.4	U	
1,1-DIFLUOROETHANE		2.3	U					2.3	U		2.4	U	
1,2,4-TRICHLOROBENZENE		12.7	U					12.7	U		13.2	U	
1,2,4-TRIMETHYLBENZENE		4.2	U					4.2	U		4.4	U	
1,2-DIBROMO-3-CHLOROPROPANE		8.2	UJ	CE				8.2	UJ	CE	8.6	UJ	CE
1,2-DIBROMOETHANE		2.6	U					2.6	U		2.7	U	
1,2-DICHLOROBENZENE		5.1	U					5.1	U		5.3	U	
1,2-DICHLOROETHANE		0.69	U					0.69	U		0.72	U	
1,2-DICHLOROPROPANE		1.6	U					1.6	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.4	U					2.4	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		8.4	U					8.4	U		8.7	U	
1,3-BUTADIENE		0.76	U					0.76	U		0.79	U	
1,3-DICHLOROBENZENE		2	U					2	U		2.1	U	
1,4-DICHLOROBENZENE		10.3	U					10.3	U		10.7	U	
1,4-DIOXANE		6.1	U					6.1	U		6.4	U	
1-ETHYL-4-METHYL BENZENE		8.4	U					8.4	U		8.7	U	
2-BUTANONE		5	U					5	U		5.2	U	
2-HEXANONE		3060	J	GL				17.5	UJ	G	18.2	U	
3-CHLOROPROPENE		6.7	U					6.7	U		7	U	
4-METHYL-2-PENTANONE		7	U					7	U		7.3	U	
ACETONE		12						4.9			18.6		
BENZENE		1.1	U					1.1	U		1.1	U	
BROMODICHLOROMETHANE		2.3	U					2.3	U		2.4	U	
BROMOFORM		8.8	U					8.8	U		9.2	U	
BROMOMETHANE		1.3	U					1.3	U		1.4	U	
CARBON DISULFIDE		2.7	U					2.7	U		2.8	U	
CARBON TETRACHLORIDE		2.1	U					2.1	U		2.2	U	
CHLOROBENZENE		1.6	U					1.6	U		1.6	U	
CHLORODIBROMOMETHANE		14.5	U					14.5	U		15.2	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-3D_51_20160202			VP-3D_61_20160202			VP-3D_73_20160202		
	LAB_ID	10337934007			10337934008			10337934009		
	SAMP_DATE	2/2/2016			2/2/2016			2/2/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U		4			4.9		
1,1,2,2-TETRACHLOROETHANE		1.2	U		1.3	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.96	U		1	U		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		27			46.1			21.8		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6	UJ	C	5.8	UJ	C	5.3	UJ	C
1,1-DICHLOROETHANE		1.4	U		1.5	U		1.4	U	
1,1-DICHLOROETHENE		1.4	U		1.5	U		1.4	U	
1,1-DIFLUOROETHANE		2.4	U		2.5	U		2.3	U	
1,2,4-TRICHLOROBENZENE		13.2	U		13.8	U		12.7	U	
1,2,4-TRIMETHYLBENZENE		4.4	U		4.6	U		4.2	U	
1,2-DIBROMO-3-CHLOROPROPANE		8.6	UJ	CE	9	UJ	CE	8.2	UJ	CE
1,2-DIBROMOETHANE		2.7	U		2.9	U		2.6	U	
1,2-DICHLOROBENZENE		5.3	U		5.6	U		5.1	U	
1,2-DICHLOROETHANE		0.72	U		0.75	U		0.69	U	
1,2-DICHLOROPROPANE		1.6	U		1.7	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.5	U		2.6	U		2.4	U	
1,3,5-TRIMETHYLBENZENE		8.7	U		9.1	U		8.4	U	
1,3-BUTADIENE		0.79	U		0.82	U		0.76	U	
1,3-DICHLOROBENZENE		2.1	U		2.2	U		2	U	
1,4-DICHLOROBENZENE		10.7	U		11.2	U		10.3	U	
1,4-DIOXANE		6.4	U		6.7	U		6.1	U	
1-ETHYL-4-METHYL BENZENE		8.7	U		9.1	U		8.4	U	
2-BUTANONE		5.2	U		5.5	U		5	U	
2-HEXANONE		18.2	U		19	U		17.5	U	
3-CHLOROPROPENE		7	U		7.3	U		6.7	U	
4-METHYL-2-PENTANONE		7.3	U		7.6	U		7	U	
ACETONE		6.2			29.9			5.2		
BENZENE		1.1	U		1.2	U		1.1	U	
BROMODICHLOROMETHANE		2.4	U		7			11.3		
BROMOFORM		9.2	U		9.6	U		8.8	U	
BROMOMETHANE		1.4	U		1.4	U		1.3	U	
CARBON DISULFIDE		2.8	U		2.9	U		2.7	U	
CARBON TETRACHLORIDE		2.2	U		2.3	U		2.1	U	
CHLOROBENZENE		1.6	U		1.7	U		1.6	U	
CHLORODIBROMOMETHANE		15.2	U		15.8	U		14.5	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-108_10_20160202			VP-108_20_20160202			VP-108_29.5_20160202			VP-108_5_20160202		
	LAB_ID	10337934011			10337934012			10337934013			10337934010		
	SAMP_DATE	2/2/2016			2/2/2016			2/2/2016			2/2/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.3	U		1.2	U		1.4	U		2.4		
CHLOROETHANE		0.99	U		0.91	U		1	U		0.94	U	
CHLOROFORM		1.8	U		1.7	U		107			1.7	U	
CHLOROMETHANE		0.77	U		0.71	U		0.81	U		0.74	U	
CIS-1,2-DICHLOROETHENE		1.5	U		12.8			47600			1.4	U	
CIS-1,3-DICHLOROPROPENE		4.2	U		3.9	U		4.4	U		4	U	
CYCLOHEXANE		1.3	U		1.2	U		1.3	U		1.2	U	
DICHLORODIFLUOROMETHANE		2.6			2			1.9	U		2.6		
ETHYLBENZENE		1.6	U		1.5	U		1.7	UJ	N	1.5	U	
HEXACHLOROBUTADIENE		19.9	U		18.2	U		20.8	UJ	N	19	U	
HEXANE		1.3	U		1.2	U		1.4	U		1.3	U	
ISOPROPANOL		120			4.2	U		4.8	U		4.4	U	
ISOPROPYLBENZENE		4.6	U		4.2	U		4.8	UJ	N	4.4	U	
M+P-XYLENES		3.2	U		3	U		3.4	UJ	N	3.1	U	
METHYL ACETATE		2.8	UJ	C	2.6	UJ	C	3	UJ	C	2.7	UJ	C
METHYL CYCLOHEXANE		3.7	U		3.4	U		3.9	U		3.6	U	
METHYL TERT-BUTYL ETHER		6.7	U		6.2	U		7	U		6.4	U	
METHYLENE CHLORIDE		6.5	U		5.9	U		6.8	U		6.2	U	
O-XYLENE		1.6	U		1.5	U		1.7	UJ	N	1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.9	UJ	C	5.4	UJ	C	6.2	UJ	C	5.6	UJ	C
STYRENE		1.6	U		1.5	U		1.7	UJ	N	1.5	U	
TETRACHLOROETHENE		13.6			161			403000	J	L	1.2	U	
TOLUENE		1.4	U		1.3	U		1.5	U		1.3	U	
TRANS-1,2-DICHLOROETHENE		1.5	U		1.4	U		257	J	L	1.4	U	
TRANS-1,3-DICHLOROPROPENE		4.2	U		3.9	U		4.4	U		4	U	
TRICHLOROETHENE		3.4			26.9			32800			0.96	U	
TRICHLOROFLUOROMETHANE		2.1	U		1.9	U		15.3			2	U	
VINYL CHLORIDE		0.48	U		0.44	U		0.5	U		0.46	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-108D_50.5_20160202			VP-108D_50.5_20160202DUP						VP-108D_60_20160202		
	LAB_ID	10337934014			10337934015						10337934016		
	SAMP_DATE	2/2/2016			2/2/2016						2/2/2016		
	QC_TYPE	NM			NM						NM		
	UNITS	UG/M3			UG/M3						UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-108D_50.5_20160202					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		15.8	J	G				2.8	J	G	1.9		
CHLOROETHANE		0.94	U					0.94	U		0.94	U	
CHLOROFORM		2.1						2.3			1.7	U	
CHLOROMETHANE		0.98						0.77			1		
CIS-1,2-DICHLOROETHENE		11200						11800			1.4	U	
CIS-1,3-DICHLOROPROPENE		4	U					4	U		4	U	
CYCLOHEXANE		1.9						2			1.2	U	
DICHLORODIFLUOROMETHANE		2.4						2.4			2.3		
ETHYLBENZENE		13.4						14.6			1.5	U	
HEXACHLOROBUTADIENE		19	U					19	U		19	U	
HEXANE		2.8						1.4			1.3	U	
ISOPROPANOL		4.4	U					4.4	U		4.4	U	
ISOPROPYLBENZENE		4.4	U					4.4	U		4.4	U	
M+P-XYLENES		85						95.1			3.1	U	
METHYL ACETATE		14.4	UJ	C				10.8	UJ	C	2.7	UJ	C
METHYL CYCLOHEXANE		3.8						4.2			3.6	U	
METHYL TERT-BUTYL ETHER		6.4	U					6.4	U		6.4	U	
METHYLENE CHLORIDE		15.3	J+	A				6.2	U		6.8	J+	A
O-XYLENE		8.2						8.7			1.5	U	
PENTAFLUOROETHYL CHLORIDE		30.1	UJ	C				22.5	UJ	C	5.6	UJ	C
STYRENE		1.5	U					1.5	U		1.5	U	
TETRACHLOROETHENE		671						719			1.2	U	
TOLUENE		157						175			1.3	U	
TRANS-1,2-DICHLOROETHENE		1.4	U					1.4	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE		4	U					4	U		4	U	
TRICHLOROETHENE		397						393			0.96	U	
TRICHLOROFLUOROMETHANE		2	U					2	U		2	U	
VINYL CHLORIDE		1.7						1.9			0.46	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-108D_70_20160202			VP-3_10_20160202			VP-3_20_20160202			VP-3_30_20160202		
	LAB_ID	10337934017			10337934003			10337934004			10337934005		
	SAMP_DATE	2/2/2016			2/2/2016			2/2/2016			2/2/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.2	U		1.2	U		2.9			1.2	U	
CHLOROETHANE		0.91	U		0.87	U		0.94	U		0.91	U	
CHLOROFORM		1.7	U		2.7			1.7	U		2.3		
CHLOROMETHANE		0.71	U		0.68	U		1			0.71	U	
CIS-1,2-DICHLOROETHENE		462			50.4			1.4	U		77		
CIS-1,3-DICHLOROPROPENE		3.9	U		3.7	U		4	U		3.9	U	
CYCLOHEXANE		1.2	U		1.1	U		1.2	U		1.2	U	
DICHLORODIFLUOROMETHANE		8.8			1.6	U		2.3			2.3		
ETHYLBENZENE		3.5			1.4	U		1.5	U		1.5	U	
HEXACHLOROBUTADIENE		18.2	U		17.5	U		19	U		18.2	U	
HEXANE		1.2	U		1.2	U		1.3	U		1.2	U	
ISOPROPANOL		4.2	U		4	U		4.4	U		4.2	U	
ISOPROPYLBENZENE		4.2	U		4	U		4.4	U		4.2	U	
M+P-XYLENES		27.6			2.8	U		3.1	U		3	U	
METHYL ACETATE		2.6	UJ	C	2.5	UJ	C	2.7	UJ	C	2.6	UJ	C
METHYL CYCLOHEXANE		3.4	U		3.3	U		3.6	U		3.4	U	
METHYL TERT-BUTYL ETHER		6.2	U		5.9	U		6.4	U		6.2	U	
METHYLENE CHLORIDE		5.9	U		5.7	J+	A	8.6	J+	A	5.9	U	
O-XYLENE		1.5			1.4	U		1.5	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.4	UJ	C	5.2	UJ	C	5.6	UJ	C	5.4	UJ	C
STYRENE		1.5	U		1.4	U		1.5	U		1.5	U	
TETRACHLOROETHENE		128			514			1.2	U		494		
TOLUENE		101			1.2	U		1.3	U		1.3	U	
TRANS-1,2-DICHLOROETHENE		1.4	U		6.1			1.4	U		5.2		
TRANS-1,3-DICHLOROPROPENE		3.9	U		3.7	U		4	U		3.9	U	
TRICHLOROETHENE		30.9			154			0.96	U		152		
TRICHLOROFLUOROMETHANE		13.9			1.8	U		2	U		1.9	U	
VINYL CHLORIDE		0.44	U		0.42	U		0.46	U		0.44	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-3_5_20160202			VP-3_5_20160202 DUP					VP-3D_40_20160202			
	LAB_ID	10337934001			10337934002					10337934006			
	SAMP_DATE	2/2/2016			2/2/2016					2/2/2016			
	QC_TYPE	NM			NM					NM			
	UNITS	UG/M3			UG/M3					UG/M3			
	PCT_SOLIDS												
	DUP_OF				VP-3_5_20160202								
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.2	U					1.5			1.3	U	
CHLOROETHANE		0.91	U					0.91	U		0.94	U	
CHLOROFORM		1.7	U					1.7	U		1.8		
CHLOROMETHANE		0.71	U					0.71	U		0.74	U	
CIS-1,2-DICHLOROETHENE		1.4	U					1.4	U		83		
CIS-1,3-DICHLOROPROPENE		3.9	U					3.9	U		4	U	
CYCLOHEXANE		1.2	U					1.2	U		1.2	U	
DICHLORODIFLUOROMETHANE		1.7	U					2.2			1.8	U	
ETHYLBENZENE		1.5	U					1.5	U		1.5	U	
HEXACHLOROBUTADIENE		18.2	U					18.2	U		19	U	
HEXANE		1.2	U					1.2	U		1.9		
ISOPROPANOL		4.2	U					4.2	U		4.4	U	
ISOPROPYLBENZENE		4.2	U					4.2	U		4.4	U	
M+P-XYLENES		3	U					3	U		3.1	U	
METHYL ACETATE		2.6	UJ	C				2.6	UJ	C	2.7	UJ	C
METHYL CYCLOHEXANE		3.4	U					3.4	U		3.6	U	
METHYL TERT-BUTYL ETHER		6.2	U					6.2	U		6.4	U	
METHYLENE CHLORIDE		5.9	U					5.9	U		7.5	J+	A
O-XYLENE		1.5	U					1.5	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.4	UJ	C				5.4	UJ	C	5.6	UJ	C
STYRENE		1.5	U					1.5	U		1.5	U	
TETRACHLOROETHENE		10						9.8			558		
TOLUENE		1.3	U					2.2			5.6		
TRANS-1,2-DICHLOROETHENE		1.4	U					1.4	U		4.4		
TRANS-1,3-DICHLOROPROPENE		3.9	U					3.9	U		4	U	
TRICHLOROETHENE		3.1	J	G				0.92	UJ	G	161		
TRICHLOROFLUOROMETHANE		1.9	U					1.9	U		2	U	
VINYL CHLORIDE		0.44	U					0.44	U		0.46	U	

PROJ_NO: 07792 SDG: 10337934 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-3D_51_20160202			VP-3D_61_20160202			VP-3D_73_20160202		
	LAB_ID	10337934007			10337934008			10337934009		
	SAMP_DATE	2/2/2016			2/2/2016			2/2/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.3	U		1.3	U		1.2	U	
CHLOROETHANE		0.94	U		0.99	U		0.91	U	
CHLOROFORM		5.3			10.1			13.2		
CHLOROMETHANE		0.74	U		0.77	U		0.86		
CIS-1,2-DICHLOROETHENE		323			95.1			23.6		
CIS-1,3-DICHLOROPROPENE		4	U		4.2	U		3.9	U	
CYCLOHEXANE		1.2	U		1.3	U		1.2	U	
DICHLORODIFLUOROMETHANE		2.8			5.4			5.7		
ETHYLBENZENE		1.5	U		1.6	U		1.5	U	
HEXACHLOROBUTADIENE		19	U		19.9	U		18.2	U	
HEXANE		1.3	U		1.3	U		1.2	U	
ISOPROPANOL		4.4	U		7.6			4.2	U	
ISOPROPYLBENZENE		4.4	U		4.6	U		4.2	U	
M+P-XYLENES		3.1	U		3.2	U		3	U	
METHYL ACETATE		2.7	UJ	C	2.8	UJ	C	2.6	UJ	C
METHYL CYCLOHEXANE		3.6	U		3.7	U		3.4	U	
METHYL TERT-BUTYL ETHER		6.4	U		6.7	U		6.2	U	
METHYLENE CHLORIDE		8.1	J+	A	6.5	U		5.9	U	
O-XYLENE		1.5	U		1.6	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.6	UJ	C	5.9	UJ	C	5.4	UJ	C
STYRENE		1.5	U		1.6	U		1.5	U	
TETRACHLOROETHENE		640			702			472		
TOLUENE		1.3	U		1.4	U		1.4		
TRANS-1,2-DICHLOROETHENE		2.7			1.5	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE		4	U		4.2	U		3.9	U	
TRICHLOROETHENE		193			165			106		
TRICHLOROFLUOROMETHANE		2	U		3.5			3.5		
VINYL CHLORIDE		0.46	U		0.48	U		0.44	U	

Appendix B

Results as Reported by the Laboratory

ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3_5_20160202		Lab ID: 10337934001		Collected: 02/02/16 10:34		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		02/14/16 14:18	75-37-6		
Acetone	12.0	ug/m3	4.0	1.68		02/14/16 14:18	67-64-1		
Allyl chloride	ND	ug/m3	6.7	1.68		02/14/16 14:18	107-05-1		
Benzene	ND	ug/m3	1.1	1.68		02/14/16 14:18	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 14:18	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		02/14/16 14:18	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 14:18	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 14:18	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 14:18	78-93-3		
Carbon disulfide	ND	ug/m3	2.7	1.68		02/14/16 14:18	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.1	1.68		02/14/16 14:18	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 14:18	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		02/14/16 14:18	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 14:18	75-00-3		
Chloroform	ND	ug/m3	1.7	1.68		02/14/16 14:18	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 14:18	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		02/14/16 14:18	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 14:18	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		02/14/16 14:18	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	14.5	1.68		02/14/16 14:18	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 14:18	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		02/14/16 14:18	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 14:18	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.3	1.68		02/14/16 14:18	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.7	1.68		02/14/16 14:18	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 14:18	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 14:18	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 14:18	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 14:18	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 14:18	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 14:18	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 14:18	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 14:18	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 14:18	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		02/14/16 14:18	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 14:18	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 14:18	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.4	1.68		02/14/16 14:18	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	18.2	1.68		02/14/16 14:18	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		02/14/16 14:18	110-54-3		
2-Hexanone	3060	ug/m3	17.5	1.68		02/14/16 14:18	591-78-6	E	
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 14:18	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		02/14/16 14:18	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.4	1.68		02/14/16 14:18	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 14:18	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 14:18	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3_5_20160202		Lab ID: 10337934001		Collected: 02/02/16 10:34		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 14:18	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 14:18	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 14:18	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 14:18	79-34-5		
Tetrachloroethene	10	ug/m3	1.2	1.68		02/14/16 14:18	127-18-4		
Toluene	ND	ug/m3	1.3	1.68		02/14/16 14:18	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		02/14/16 14:18	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 14:18	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 14:18	79-00-5		
Trichloroethene	3.1	ug/m3	0.92	1.68		02/14/16 14:18	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		02/14/16 14:18	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 14:18	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.2	1.68		02/14/16 14:18	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.4	1.68		02/14/16 14:18	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 14:18	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 14:18	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 14:18	95-47-6		

Sample: VP-3_5_20160202 DUP		Lab ID: 10337934002		Collected: 02/02/16 11:19		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		02/14/16 15:22	75-37-6		
Acetone	4.9	ug/m3	4.0	1.68		02/14/16 15:22	67-64-1		
Allyl chloride	ND	ug/m3	6.7	1.68		02/14/16 15:22	107-05-1		
Benzene	ND	ug/m3	1.1	1.68		02/14/16 15:22	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 15:22	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		02/14/16 15:22	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 15:22	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 15:22	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 15:22	78-93-3		
Carbon disulfide	ND	ug/m3	2.7	1.68		02/14/16 15:22	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.1	1.68		02/14/16 15:22	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 15:22	108-90-7		
Chlorodifluoromethane	1.5	ug/m3	1.2	1.68		02/14/16 15:22	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 15:22	75-00-3		
Chloroform	ND	ug/m3	1.7	1.68		02/14/16 15:22	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 15:22	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		02/14/16 15:22	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 15:22	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		02/14/16 15:22	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	14.5	1.68		02/14/16 15:22	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 15:22	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		02/14/16 15:22	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3_5_20160202 DUP		Lab ID: 10337934002		Collected: 02/02/16 11:19		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 15:22	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.3	1.68		02/14/16 15:22	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.7	1.68		02/14/16 15:22	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 15:22	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 15:22	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 15:22	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 15:22	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 15:22	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 15:22	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 15:22	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 15:22	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 15:22	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		02/14/16 15:22	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 15:22	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 15:22	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.4	1.68		02/14/16 15:22	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	18.2	1.68		02/14/16 15:22	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		02/14/16 15:22	110-54-3		
2-Hexanone	ND	ug/m3	17.5	1.68		02/14/16 15:22	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 15:22	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		02/14/16 15:22	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.4	1.68		02/14/16 15:22	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 15:22	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 15:22	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 15:22	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 15:22	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 15:22	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 15:22	79-34-5		
Tetrachloroethene	9.8	ug/m3	1.2	1.68		02/14/16 15:22	127-18-4		
Toluene	2.2	ug/m3	1.3	1.68		02/14/16 15:22	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		02/14/16 15:22	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 15:22	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 15:22	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		02/14/16 15:22	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		02/14/16 15:22	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 15:22	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.2	1.68		02/14/16 15:22	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.4	1.68		02/14/16 15:22	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 15:22	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 15:22	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 15:22	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3_10_20160202		Lab ID: 10337934003		Collected: 02/02/16 09:37		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		02/14/16 15:53	75-37-6		
Acetone	47.1	ug/m3	3.9	1.61		02/14/16 15:53	67-64-1		
Allyl chloride	ND	ug/m3	6.4	1.61		02/14/16 15:53	107-05-1		
Benzene	ND	ug/m3	1.0	1.61		02/14/16 15:53	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		02/14/16 15:53	75-27-4		
Bromoform	ND	ug/m3	8.5	1.61		02/14/16 15:53	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		02/14/16 15:53	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		02/14/16 15:53	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		02/14/16 15:53	78-93-3		
Carbon disulfide	ND	ug/m3	2.5	1.61		02/14/16 15:53	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.1	1.61		02/14/16 15:53	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		02/14/16 15:53	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.61		02/14/16 15:53	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		02/14/16 15:53	75-00-3		
Chloroform	2.7	ug/m3	1.6	1.61		02/14/16 15:53	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		02/14/16 15:53	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		02/14/16 15:53	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.1	1.61		02/14/16 15:53	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		02/14/16 15:53	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	13.9	1.61		02/14/16 15:53	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		02/14/16 15:53	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		02/14/16 15:53	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		02/14/16 15:53	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	9.8	1.61		02/14/16 15:53	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.6	1.61		02/14/16 15:53	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		02/14/16 15:53	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		02/14/16 15:53	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		02/14/16 15:53	75-35-4		
cis-1,2-Dichloroethene	50.4	ug/m3	1.3	1.61		02/14/16 15:53	156-59-2		
trans-1,2-Dichloroethene	6.1	ug/m3	1.3	1.61		02/14/16 15:53	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		02/14/16 15:53	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	3.7	1.61		02/14/16 15:53	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	3.7	1.61		02/14/16 15:53	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		02/14/16 15:53	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		02/14/16 15:53	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		02/14/16 15:53	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		02/14/16 15:53	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.0	1.61		02/14/16 15:53	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	17.5	1.61		02/14/16 15:53	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		02/14/16 15:53	110-54-3		
2-Hexanone	ND	ug/m3	16.8	1.61		02/14/16 15:53	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		02/14/16 15:53	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		02/14/16 15:53	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.3	1.61		02/14/16 15:53	108-87-2		
Methylene Chloride	5.7	ug/m3	5.7	1.61		02/14/16 15:53	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		02/14/16 15:53	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3_10_20160202		Lab ID: 10337934003		Collected: 02/02/16 09:37		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		02/14/16 15:53	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		02/14/16 15:53	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		02/14/16 15:53	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		02/14/16 15:53	79-34-5		
Tetrachloroethene	514	ug/m3	11.1	16.1		02/29/16 23:09	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		02/14/16 15:53	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.1	1.61		02/14/16 15:53	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		02/14/16 15:53	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		02/14/16 15:53	79-00-5		
Trichloroethene	154	ug/m3	0.89	1.61		02/14/16 15:53	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		02/14/16 15:53	75-69-4		
1,1,2-Trichlorotrifluoroethane	6.8	ug/m3	2.6	1.61		02/14/16 15:53	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.0	1.61		02/14/16 15:53	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.0	1.61		02/14/16 15:53	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		02/14/16 15:53	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		02/14/16 15:53	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		02/14/16 15:53	95-47-6		

Sample: VP-3_20_20160202		Lab ID: 10337934004		Collected: 02/02/16 10:36		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		02/14/16 16:25	75-37-6		
Acetone	19.2	ug/m3	4.2	1.75		02/14/16 16:25	67-64-1		
Allyl chloride	ND	ug/m3	7.0	1.75		02/14/16 16:25	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		02/14/16 16:25	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		02/14/16 16:25	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		02/14/16 16:25	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		02/14/16 16:25	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		02/14/16 16:25	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		02/14/16 16:25	78-93-3		
Carbon disulfide	ND	ug/m3	2.8	1.75		02/14/16 16:25	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.75		02/14/16 16:25	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		02/14/16 16:25	108-90-7		
Chlorodifluoromethane	2.9	ug/m3	1.3	1.75		02/14/16 16:25	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		02/14/16 16:25	75-00-3		
Chloroform	ND	ug/m3	1.7	1.75		02/14/16 16:25	67-66-3		
Chloromethane	1.0	ug/m3	0.74	1.75		02/14/16 16:25	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		02/14/16 16:25	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		02/14/16 16:25	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		02/14/16 16:25	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	15.2	1.75		02/14/16 16:25	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		02/14/16 16:25	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		02/14/16 16:25	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3_20_20160202		Lab ID: 10337934004		Collected: 02/02/16 10:36		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 16:25	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.7	1.75		02/14/16 16:25	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.75		02/14/16 16:25	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		02/14/16 16:25	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		02/14/16 16:25	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 16:25	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 16:25	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 16:25	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		02/14/16 16:25	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 16:25	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 16:25	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		02/14/16 16:25	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		02/14/16 16:25	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		02/14/16 16:25	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		02/14/16 16:25	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.7	1.75		02/14/16 16:25	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		02/14/16 16:25	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		02/14/16 16:25	110-54-3		
2-Hexanone	ND	ug/m3	18.2	1.75		02/14/16 16:25	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		02/14/16 16:25	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		02/14/16 16:25	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.6	1.75		02/14/16 16:25	108-87-2		
Methylene Chloride	8.6	ug/m3	6.2	1.75		02/14/16 16:25	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		02/14/16 16:25	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		02/14/16 16:25	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		02/14/16 16:25	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		02/14/16 16:25	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		02/14/16 16:25	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		02/14/16 16:25	127-18-4		
Toluene	ND	ug/m3	1.3	1.75		02/14/16 16:25	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		02/14/16 16:25	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		02/14/16 16:25	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		02/14/16 16:25	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		02/14/16 16:25	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		02/14/16 16:25	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		02/14/16 16:25	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.4	1.75		02/14/16 16:25	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.7	1.75		02/14/16 16:25	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		02/14/16 16:25	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		02/14/16 16:25	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		02/14/16 16:25	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3_30_20160202		Lab ID: 10337934005		Collected: 02/02/16 10:40		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		02/14/16 16:57	75-37-6		
Acetone	13.4	ug/m3	4.0	1.68		02/14/16 16:57	67-64-1		
Allyl chloride	ND	ug/m3	6.7	1.68		02/14/16 16:57	107-05-1		
Benzene	ND	ug/m3	1.1	1.68		02/14/16 16:57	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 16:57	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		02/14/16 16:57	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 16:57	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 16:57	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 16:57	78-93-3		
Carbon disulfide	ND	ug/m3	2.7	1.68		02/14/16 16:57	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.1	1.68		02/14/16 16:57	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 16:57	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		02/14/16 16:57	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 16:57	75-00-3		
Chloroform	2.3	ug/m3	1.7	1.68		02/14/16 16:57	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 16:57	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		02/14/16 16:57	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 16:57	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		02/14/16 16:57	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	14.5	1.68		02/14/16 16:57	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 16:57	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		02/14/16 16:57	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 16:57	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.3	1.68		02/14/16 16:57	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.7	1.68		02/14/16 16:57	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 16:57	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 16:57	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 16:57	75-35-4		
cis-1,2-Dichloroethene	77.0	ug/m3	1.4	1.68		02/14/16 16:57	156-59-2		
trans-1,2-Dichloroethene	5.2	ug/m3	1.4	1.68		02/14/16 16:57	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 16:57	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 16:57	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 16:57	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 16:57	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		02/14/16 16:57	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 16:57	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 16:57	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.4	1.68		02/14/16 16:57	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	18.2	1.68		02/14/16 16:57	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		02/14/16 16:57	110-54-3		
2-Hexanone	ND	ug/m3	17.5	1.68		02/14/16 16:57	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 16:57	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		02/14/16 16:57	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.4	1.68		02/14/16 16:57	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 16:57	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 16:57	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3_30_20160202		Lab ID: 10337934005		Collected: 02/02/16 10:40		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 16:57	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 16:57	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 16:57	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 16:57	79-34-5		
Tetrachloroethene	494	ug/m3	11.6	16.8		03/01/16 02:26	127-18-4		
Toluene	ND	ug/m3	1.3	1.68		02/14/16 16:57	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		02/14/16 16:57	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 16:57	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 16:57	79-00-5		
Trichloroethene	152	ug/m3	0.92	1.68		02/14/16 16:57	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		02/14/16 16:57	75-69-4		
1,1,2-Trichlorotrifluoroethane	7.9	ug/m3	2.7	1.68		02/14/16 16:57	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.2	1.68		02/14/16 16:57	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.4	1.68		02/14/16 16:57	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 16:57	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 16:57	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 16:57	95-47-6		

Sample: VP-3D_40_20160202		Lab ID: 10337934006		Collected: 02/02/16 10:37		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		02/14/16 17:28	75-37-6		
Acetone	18.6	ug/m3	4.2	1.75		02/14/16 17:28	67-64-1		
Allyl chloride	ND	ug/m3	7.0	1.75		02/14/16 17:28	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		02/14/16 17:28	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		02/14/16 17:28	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		02/14/16 17:28	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		02/14/16 17:28	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		02/14/16 17:28	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		02/14/16 17:28	78-93-3		
Carbon disulfide	ND	ug/m3	2.8	1.75		02/14/16 17:28	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.75		02/14/16 17:28	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		02/14/16 17:28	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		02/14/16 17:28	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		02/14/16 17:28	75-00-3		
Chloroform	1.8	ug/m3	1.7	1.75		02/14/16 17:28	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		02/14/16 17:28	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		02/14/16 17:28	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		02/14/16 17:28	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		02/14/16 17:28	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	15.2	1.75		02/14/16 17:28	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		02/14/16 17:28	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		02/14/16 17:28	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3D_40_20160202		Lab ID: 10337934006		Collected: 02/02/16 10:37		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 17:28	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.7	1.75		02/14/16 17:28	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.75		02/14/16 17:28	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		02/14/16 17:28	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		02/14/16 17:28	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 17:28	75-35-4		
cis-1,2-Dichloroethene	83.0	ug/m3	1.4	1.75		02/14/16 17:28	156-59-2		
trans-1,2-Dichloroethene	4.4	ug/m3	1.4	1.75		02/14/16 17:28	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		02/14/16 17:28	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 17:28	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 17:28	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		02/14/16 17:28	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		02/14/16 17:28	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		02/14/16 17:28	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		02/14/16 17:28	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.7	1.75		02/14/16 17:28	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		02/14/16 17:28	87-68-3		
n-Hexane	1.9	ug/m3	1.3	1.75		02/14/16 17:28	110-54-3		
2-Hexanone	ND	ug/m3	18.2	1.75		02/14/16 17:28	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		02/14/16 17:28	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		02/14/16 17:28	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.6	1.75		02/14/16 17:28	108-87-2		
Methylene Chloride	7.5	ug/m3	6.2	1.75		02/14/16 17:28	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		02/14/16 17:28	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		02/14/16 17:28	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		02/14/16 17:28	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		02/14/16 17:28	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		02/14/16 17:28	79-34-5		
Tetrachloroethene	558	ug/m3	12.1	17.5		02/29/16 23:37	127-18-4		
Toluene	5.6	ug/m3	1.3	1.75		02/14/16 17:28	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		02/14/16 17:28	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		02/14/16 17:28	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		02/14/16 17:28	79-00-5		
Trichloroethene	161	ug/m3	0.96	1.75		02/14/16 17:28	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		02/14/16 17:28	75-69-4		
1,1,2-Trichlorotrifluoroethane	16.8	ug/m3	2.8	1.75		02/14/16 17:28	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.4	1.75		02/14/16 17:28	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.7	1.75		02/14/16 17:28	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		02/14/16 17:28	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		02/14/16 17:28	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		02/14/16 17:28	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3D_51_20160202		Lab ID: 10337934007		Collected: 02/02/16 10:25		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		02/14/16 18:00	75-37-6		
Acetone	6.2	ug/m3	4.2	1.75		02/14/16 18:00	67-64-1		
Allyl chloride	ND	ug/m3	7.0	1.75		02/14/16 18:00	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		02/14/16 18:00	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		02/14/16 18:00	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		02/14/16 18:00	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		02/14/16 18:00	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		02/14/16 18:00	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		02/14/16 18:00	78-93-3		
Carbon disulfide	ND	ug/m3	2.8	1.75		02/14/16 18:00	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.75		02/14/16 18:00	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		02/14/16 18:00	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		02/14/16 18:00	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		02/14/16 18:00	75-00-3		
Chloroform	5.3	ug/m3	1.7	1.75		02/14/16 18:00	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		02/14/16 18:00	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		02/14/16 18:00	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		02/14/16 18:00	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		02/14/16 18:00	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	15.2	1.75		02/14/16 18:00	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		02/14/16 18:00	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		02/14/16 18:00	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 18:00	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.7	1.75		02/14/16 18:00	106-46-7		
Dichlorodifluoromethane	2.8	ug/m3	1.8	1.75		02/14/16 18:00	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		02/14/16 18:00	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		02/14/16 18:00	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 18:00	75-35-4		
cis-1,2-Dichloroethene	323	ug/m3	14.2	17.5		03/01/16 00:05	156-59-2		
trans-1,2-Dichloroethene	2.7	ug/m3	1.4	1.75		02/14/16 18:00	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		02/14/16 18:00	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 18:00	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 18:00	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		02/14/16 18:00	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		02/14/16 18:00	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		02/14/16 18:00	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		02/14/16 18:00	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.7	1.75		02/14/16 18:00	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		02/14/16 18:00	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		02/14/16 18:00	110-54-3		
2-Hexanone	ND	ug/m3	18.2	1.75		02/14/16 18:00	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		02/14/16 18:00	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		02/14/16 18:00	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.6	1.75		02/14/16 18:00	108-87-2		
Methylene Chloride	8.1	ug/m3	6.2	1.75		02/14/16 18:00	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		02/14/16 18:00	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3D_51_20160202		Lab ID: 10337934007		Collected: 02/02/16 10:25		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		02/14/16 18:00	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		02/14/16 18:00	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		02/14/16 18:00	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		02/14/16 18:00	79-34-5		
Tetrachloroethene	640	ug/m3	12.1	17.5		03/01/16 00:05	127-18-4		
Toluene	ND	ug/m3	1.3	1.75		02/14/16 18:00	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		02/14/16 18:00	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		02/14/16 18:00	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		02/14/16 18:00	79-00-5		
Trichloroethene	193	ug/m3	0.96	1.75		02/14/16 18:00	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		02/14/16 18:00	75-69-4		
1,1,2-Trichlorotrifluoroethane	27.0	ug/m3	2.8	1.75		02/14/16 18:00	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.4	1.75		02/14/16 18:00	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.7	1.75		02/14/16 18:00	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		02/14/16 18:00	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		02/14/16 18:00	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		02/14/16 18:00	95-47-6		

Sample: VP-3D_61_20160202		Lab ID: 10337934008		Collected: 02/02/16 11:12		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		02/14/16 18:59	75-37-6		
Acetone	29.9	ug/m3	4.4	1.83		02/14/16 18:59	67-64-1		
Allyl chloride	ND	ug/m3	7.3	1.83		02/14/16 18:59	107-05-1		
Benzene	ND	ug/m3	1.2	1.83		02/14/16 18:59	71-43-2		
Bromodichloromethane	7.0	ug/m3	2.5	1.83		02/14/16 18:59	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		02/14/16 18:59	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		02/14/16 18:59	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		02/14/16 18:59	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		02/14/16 18:59	78-93-3		
Carbon disulfide	ND	ug/m3	2.9	1.83		02/14/16 18:59	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.3	1.83		02/14/16 18:59	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		02/14/16 18:59	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		02/14/16 18:59	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		02/14/16 18:59	75-00-3		
Chloroform	10.1	ug/m3	1.8	1.83		02/14/16 18:59	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		02/14/16 18:59	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		02/14/16 18:59	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.3	1.83		02/14/16 18:59	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		02/14/16 18:59	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	15.8	1.83		02/14/16 18:59	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		02/14/16 18:59	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.6	1.83		02/14/16 18:59	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3D_61_20160202		Lab ID: 10337934008		Collected: 02/02/16 11:12		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		02/14/16 18:59	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	11.2	1.83		02/14/16 18:59	106-46-7		
Dichlorodifluoromethane	5.4	ug/m3	1.8	1.83		02/14/16 18:59	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		02/14/16 18:59	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		02/14/16 18:59	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		02/14/16 18:59	75-35-4		
cis-1,2-Dichloroethene	95.1	ug/m3	1.5	1.83		02/14/16 18:59	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		02/14/16 18:59	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		02/14/16 18:59	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		02/14/16 18:59	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		02/14/16 18:59	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		02/14/16 18:59	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		02/14/16 18:59	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		02/14/16 18:59	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		02/14/16 18:59	100-41-4		
4-Ethyltoluene	ND	ug/m3	9.1	1.83		02/14/16 18:59	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		02/14/16 18:59	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		02/14/16 18:59	110-54-3		
2-Hexanone	ND	ug/m3	19.0	1.83		02/14/16 18:59	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		02/14/16 18:59	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		02/14/16 18:59	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.7	1.83		02/14/16 18:59	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		02/14/16 18:59	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		02/14/16 18:59	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		02/14/16 18:59	1634-04-4		
2-Propanol	7.6	ug/m3	4.6	1.83		02/14/16 18:59	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		02/14/16 18:59	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		02/14/16 18:59	79-34-5		
Tetrachloroethene	702	ug/m3	12.6	18.3		03/01/16 01:02	127-18-4		
Toluene	ND	ug/m3	1.4	1.83		02/14/16 18:59	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		02/14/16 18:59	120-82-1		
1,1,1-Trichloroethane	4.0	ug/m3	2.0	1.83		02/14/16 18:59	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		02/14/16 18:59	79-00-5		
Trichloroethene	165	ug/m3	1.0	1.83		02/14/16 18:59	79-01-6		
Trichlorofluoromethane	3.5	ug/m3	2.1	1.83		02/14/16 18:59	75-69-4		
1,1,2-Trichlorotrifluoroethane	46.1	ug/m3	2.9	1.83		02/14/16 18:59	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.6	1.83		02/14/16 18:59	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	9.1	1.83		02/14/16 18:59	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		02/14/16 18:59	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		02/14/16 18:59	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		02/14/16 18:59	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3D_73_20160202		Lab ID: 10337934009		Collected: 02/02/16 12:06		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		02/14/16 19:31	75-37-6		
Acetone	5.2	ug/m3	4.0	1.68		02/14/16 19:31	67-64-1		
Allyl chloride	ND	ug/m3	6.7	1.68		02/14/16 19:31	107-05-1		
Benzene	ND	ug/m3	1.1	1.68		02/14/16 19:31	71-43-2		
Bromodichloromethane	11.3	ug/m3	2.3	1.68		02/14/16 19:31	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		02/14/16 19:31	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 19:31	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 19:31	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 19:31	78-93-3		
Carbon disulfide	ND	ug/m3	2.7	1.68		02/14/16 19:31	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.1	1.68		02/14/16 19:31	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 19:31	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		02/14/16 19:31	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 19:31	75-00-3		
Chloroform	13.2	ug/m3	1.7	1.68		02/14/16 19:31	67-66-3		
Chloromethane	0.86	ug/m3	0.71	1.68		02/14/16 19:31	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		02/14/16 19:31	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 19:31	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		02/14/16 19:31	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	14.5	1.68		02/14/16 19:31	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 19:31	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		02/14/16 19:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 19:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.3	1.68		02/14/16 19:31	106-46-7		
Dichlorodifluoromethane	5.7	ug/m3	1.7	1.68		02/14/16 19:31	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 19:31	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 19:31	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 19:31	75-35-4		
cis-1,2-Dichloroethene	23.6	ug/m3	1.4	1.68		02/14/16 19:31	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 19:31	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 19:31	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 19:31	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 19:31	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 19:31	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		02/14/16 19:31	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 19:31	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 19:31	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.4	1.68		02/14/16 19:31	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	18.2	1.68		02/14/16 19:31	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		02/14/16 19:31	110-54-3		
2-Hexanone	ND	ug/m3	17.5	1.68		02/14/16 19:31	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 19:31	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		02/14/16 19:31	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.4	1.68		02/14/16 19:31	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 19:31	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 19:31	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-3D_73_20160202		Lab ID: 10337934009		Collected: 02/02/16 12:06		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 19:31	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 19:31	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 19:31	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 19:31	79-34-5		
Tetrachloroethene	472	ug/m3	11.6	16.8		03/01/16 01:30	127-18-4		
Toluene	1.4	ug/m3	1.3	1.68		02/14/16 19:31	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		02/14/16 19:31	120-82-1		
1,1,1-Trichloroethane	4.9	ug/m3	1.9	1.68		02/14/16 19:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 19:31	79-00-5		
Trichloroethene	106	ug/m3	0.92	1.68		02/14/16 19:31	79-01-6		
Trichlorofluoromethane	3.5	ug/m3	1.9	1.68		02/14/16 19:31	75-69-4		
1,1,2-Trichlorotrifluoroethane	21.8	ug/m3	2.7	1.68		02/14/16 19:31	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.2	1.68		02/14/16 19:31	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.4	1.68		02/14/16 19:31	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 19:31	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 19:31	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 19:31	95-47-6		

Sample: VP-108_5_20160202		Lab ID: 10337934010		Collected: 02/02/16 11:10		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		02/14/16 20:02	75-37-6		
Acetone	ND	ug/m3	4.2	1.75		02/14/16 20:02	67-64-1		
Allyl chloride	ND	ug/m3	7.0	1.75		02/14/16 20:02	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		02/14/16 20:02	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		02/14/16 20:02	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		02/14/16 20:02	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		02/14/16 20:02	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		02/14/16 20:02	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		02/14/16 20:02	78-93-3		
Carbon disulfide	ND	ug/m3	2.8	1.75		02/14/16 20:02	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.75		02/14/16 20:02	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		02/14/16 20:02	108-90-7		
Chlorodifluoromethane	2.4	ug/m3	1.3	1.75		02/14/16 20:02	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		02/14/16 20:02	75-00-3		
Chloroform	ND	ug/m3	1.7	1.75		02/14/16 20:02	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		02/14/16 20:02	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		02/14/16 20:02	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		02/14/16 20:02	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		02/14/16 20:02	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	15.2	1.75		02/14/16 20:02	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		02/14/16 20:02	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		02/14/16 20:02	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108_5_20160202		Lab ID: 10337934010		Collected: 02/02/16 11:10		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 20:02	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.7	1.75		02/14/16 20:02	106-46-7		
Dichlorodifluoromethane	2.6	ug/m3	1.8	1.75		02/14/16 20:02	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		02/14/16 20:02	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		02/14/16 20:02	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 20:02	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 20:02	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 20:02	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		02/14/16 20:02	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 20:02	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 20:02	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		02/14/16 20:02	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		02/14/16 20:02	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		02/14/16 20:02	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		02/14/16 20:02	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.7	1.75		02/14/16 20:02	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		02/14/16 20:02	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		02/14/16 20:02	110-54-3		
2-Hexanone	ND	ug/m3	18.2	1.75		02/14/16 20:02	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		02/14/16 20:02	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		02/14/16 20:02	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.6	1.75		02/14/16 20:02	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		02/14/16 20:02	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		02/14/16 20:02	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		02/14/16 20:02	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		02/14/16 20:02	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		02/14/16 20:02	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		02/14/16 20:02	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		02/14/16 20:02	127-18-4		
Toluene	ND	ug/m3	1.3	1.75		02/14/16 20:02	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		02/14/16 20:02	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		02/14/16 20:02	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		02/14/16 20:02	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		02/14/16 20:02	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		02/14/16 20:02	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		02/14/16 20:02	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.4	1.75		02/14/16 20:02	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.7	1.75		02/14/16 20:02	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		02/14/16 20:02	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		02/14/16 20:02	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		02/14/16 20:02	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108_10_20160202		Lab ID: 10337934011		Collected: 02/02/16 11:10		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		02/14/16 20:34	75-37-6		
Acetone	33.3	ug/m3	4.4	1.83		02/14/16 20:34	67-64-1		
Allyl chloride	ND	ug/m3	7.3	1.83		02/14/16 20:34	107-05-1		
Benzene	ND	ug/m3	1.2	1.83		02/14/16 20:34	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		02/14/16 20:34	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		02/14/16 20:34	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		02/14/16 20:34	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		02/14/16 20:34	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		02/14/16 20:34	78-93-3		
Carbon disulfide	ND	ug/m3	2.9	1.83		02/14/16 20:34	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.3	1.83		02/14/16 20:34	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		02/14/16 20:34	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		02/14/16 20:34	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		02/14/16 20:34	75-00-3		
Chloroform	ND	ug/m3	1.8	1.83		02/14/16 20:34	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		02/14/16 20:34	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		02/14/16 20:34	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.3	1.83		02/14/16 20:34	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		02/14/16 20:34	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	15.8	1.83		02/14/16 20:34	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		02/14/16 20:34	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.6	1.83		02/14/16 20:34	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		02/14/16 20:34	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	11.2	1.83		02/14/16 20:34	106-46-7		
Dichlorodifluoromethane	2.6	ug/m3	1.8	1.83		02/14/16 20:34	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		02/14/16 20:34	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		02/14/16 20:34	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		02/14/16 20:34	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		02/14/16 20:34	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		02/14/16 20:34	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		02/14/16 20:34	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		02/14/16 20:34	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		02/14/16 20:34	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		02/14/16 20:34	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		02/14/16 20:34	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		02/14/16 20:34	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		02/14/16 20:34	100-41-4		
4-Ethyltoluene	ND	ug/m3	9.1	1.83		02/14/16 20:34	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		02/14/16 20:34	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		02/14/16 20:34	110-54-3		
2-Hexanone	ND	ug/m3	19.0	1.83		02/14/16 20:34	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		02/14/16 20:34	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		02/14/16 20:34	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.7	1.83		02/14/16 20:34	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		02/14/16 20:34	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		02/14/16 20:34	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108_10_20160202		Lab ID: 10337934011		Collected: 02/02/16 11:10		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		02/14/16 20:34	1634-04-4		
2-Propanol	120	ug/m3	4.6	1.83		02/14/16 20:34	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		02/14/16 20:34	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		02/14/16 20:34	79-34-5		
Tetrachloroethene	13.6	ug/m3	1.3	1.83		02/14/16 20:34	127-18-4		
Toluene	ND	ug/m3	1.4	1.83		02/14/16 20:34	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		02/14/16 20:34	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		02/14/16 20:34	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		02/14/16 20:34	79-00-5		
Trichloroethene	3.4	ug/m3	1.0	1.83		02/14/16 20:34	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		02/14/16 20:34	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		02/14/16 20:34	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.6	1.83		02/14/16 20:34	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	9.1	1.83		02/14/16 20:34	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		02/14/16 20:34	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		02/14/16 20:34	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		02/14/16 20:34	95-47-6		

Sample: VP-108_20_20160202		Lab ID: 10337934012		Collected: 02/02/16 11:22		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		02/14/16 21:37	75-37-6		
Acetone	4.9	ug/m3	4.0	1.68		02/14/16 21:37	67-64-1		
Allyl chloride	ND	ug/m3	6.7	1.68		02/14/16 21:37	107-05-1		
Benzene	ND	ug/m3	1.1	1.68		02/14/16 21:37	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 21:37	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		02/14/16 21:37	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 21:37	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 21:37	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 21:37	78-93-3		
Carbon disulfide	ND	ug/m3	2.7	1.68		02/14/16 21:37	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.1	1.68		02/14/16 21:37	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 21:37	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		02/14/16 21:37	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 21:37	75-00-3		
Chloroform	ND	ug/m3	1.7	1.68		02/14/16 21:37	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 21:37	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		02/14/16 21:37	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 21:37	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		02/14/16 21:37	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	14.5	1.68		02/14/16 21:37	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 21:37	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		02/14/16 21:37	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108_20_20160202		Lab ID: 10337934012		Collected: 02/02/16 11:22		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 21:37	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.3	1.68		02/14/16 21:37	106-46-7		
Dichlorodifluoromethane	2.0	ug/m3	1.7	1.68		02/14/16 21:37	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 21:37	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 21:37	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 21:37	75-35-4		
cis-1,2-Dichloroethene	12.8	ug/m3	1.4	1.68		02/14/16 21:37	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 21:37	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 21:37	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 21:37	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 21:37	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 21:37	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		02/14/16 21:37	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 21:37	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		02/14/16 21:37	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.4	1.68		02/14/16 21:37	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	18.2	1.68		02/14/16 21:37	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		02/14/16 21:37	110-54-3		
2-Hexanone	ND	ug/m3	17.5	1.68		02/14/16 21:37	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 21:37	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		02/14/16 21:37	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.4	1.68		02/14/16 21:37	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 21:37	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 21:37	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 21:37	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 21:37	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 21:37	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 21:37	79-34-5		
Tetrachloroethene	161	ug/m3	1.2	1.68		02/14/16 21:37	127-18-4		
Toluene	ND	ug/m3	1.3	1.68		02/14/16 21:37	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		02/14/16 21:37	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 21:37	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 21:37	79-00-5		
Trichloroethene	26.9	ug/m3	0.92	1.68		02/14/16 21:37	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		02/14/16 21:37	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		02/14/16 21:37	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.2	1.68		02/14/16 21:37	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.4	1.68		02/14/16 21:37	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 21:37	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		02/14/16 21:37	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		02/14/16 21:37	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108_29.5_20160202		Lab ID: 10337934013		Collected: 02/02/16 11:10		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	14.0	ug/m3	4.6	1.92		02/14/16 21:05	67-64-1		
Allyl chloride	ND	ug/m3	7.6	1.92		02/14/16 21:05	107-05-1		
Benzene	17.1	ug/m3	1.2	1.92		02/14/16 21:05	71-43-2		
Bromodichloromethane	ND	ug/m3	2.6	1.92		02/14/16 21:05	75-27-4		
Bromoform	ND	ug/m3	10.1	1.92		02/14/16 21:05	75-25-2		
Bromomethane	ND	ug/m3	1.5	1.92		02/14/16 21:05	74-83-9		
1,3-Butadiene	ND	ug/m3	0.86	1.92		02/14/16 21:05	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.8	1.92		02/14/16 21:05	78-93-3		
Carbon disulfide	ND	ug/m3	3.0	1.92		02/14/16 21:05	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.5	1.92		02/14/16 21:05	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.92		02/14/16 21:05	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.4	1.92		02/14/16 21:05	75-45-6		
Chloroethane	ND	ug/m3	1.0	1.92		02/14/16 21:05	75-00-3		
Chloroform	107	ug/m3	1.9	1.92		02/14/16 21:05	67-66-3		
Chloromethane	ND	ug/m3	0.81	1.92		02/14/16 21:05	74-87-3		
Cyclohexane	ND	ug/m3	1.3	1.92		02/14/16 21:05	110-82-7		
Dibromochloromethane	ND	ug/m3	16.6	1.92		02/14/16 21:05	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		02/14/16 21:05	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.9	1.92		02/14/16 21:05	95-50-1		
1,3-Dichlorobenzene	6.3	ug/m3	2.3	1.92		02/14/16 21:05	541-73-1	IS	
1,4-Dichlorobenzene	ND	ug/m3	11.7	1.92		02/14/16 21:05	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.9	1.92		02/14/16 21:05	75-71-8		
1,1-Dichloroethane	46.2	ug/m3	1.6	1.92		02/14/16 21:05	75-34-3		
1,2-Dichloroethane	9.6	ug/m3	0.79	1.92		02/14/16 21:05	107-06-2		
1,1-Dichloroethene	43.3	ug/m3	1.6	1.92		02/14/16 21:05	75-35-4		
cis-1,2-Dichloroethene	47600	ug/m3	995	1228.8		03/01/16 03:52	156-59-2		
trans-1,2-Dichloroethene	257	ug/m3	1.6	1.92		02/14/16 21:05	156-60-5	E	
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		02/14/16 21:05	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.4	1.92		02/14/16 21:05	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.4	1.92		02/14/16 21:05	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.92		02/14/16 21:05	76-14-2		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.0	1.92		02/14/16 21:05	123-91-1		
Ethylbenzene	ND	ug/m3	1.7	1.92		02/14/16 21:05	100-41-4		
4-Ethyltoluene	ND	ug/m3	9.6	1.92		02/14/16 21:05	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	20.8	1.92		02/14/16 21:05	87-68-3		
n-Hexane	ND	ug/m3	1.4	1.92		02/14/16 21:05	110-54-3		
2-Hexanone	ND	ug/m3	20.0	1.92		02/14/16 21:05	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.8	1.92		02/14/16 21:05	98-82-8		
Methylcyclohexane	ND	ug/m3	3.9	1.92		02/14/16 21:05	108-87-2		
Methylene Chloride	ND	ug/m3	6.8	1.92		02/14/16 21:05	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.0	1.92		02/14/16 21:05	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.92		02/14/16 21:05	1634-04-4		
2-Propanol	ND	ug/m3	4.8	1.92		02/14/16 21:05	67-63-0		
Styrene	ND	ug/m3	1.7	1.92		02/14/16 21:05	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		02/14/16 21:05	79-34-5		
Tetrachloroethene	403000	ug/m3	847	1228.8		03/01/16 03:52	127-18-4	E	
Toluene	ND	ug/m3	1.5	1.92		02/14/16 21:05	108-88-3		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108_29.5_20160202		Lab ID: 10337934013		Collected: 02/02/16 11:10		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ug/m3	14.5	1.92		02/14/16 21:05	120-82-1		
1,1,1-Trichloroethane	139	ug/m3	2.1	1.92		02/14/16 21:05	71-55-6		
1,1,2-Trichloroethane	6.1	ug/m3	1.1	1.92		02/14/16 21:05	79-00-5		
Trichloroethene	32800	ug/m3	676	1228.8		03/01/16 03:52	79-01-6		
Trichlorofluoromethane	15.3	ug/m3	2.2	1.92		02/14/16 21:05	75-69-4		
1,1,2-Trichlorotrifluoroethane	16700	ug/m3	1970	1228.8		03/01/16 03:52	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.8	1.92		02/14/16 21:05	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	9.6	1.92		02/14/16 21:05	108-67-8		
Vinyl chloride	ND	ug/m3	0.50	1.92		02/14/16 21:05	75-01-4		
m&p-Xylene	ND	ug/m3	3.4	1.92		02/14/16 21:05	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.92		02/14/16 21:05	95-47-6		

Sample: VP-108D_50.5_20160202		Lab ID: 10337934014		Collected: 02/02/16 11:14		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	12.9	9.38		03/03/16 10:54	75-37-6		
Acetone	12.0	ug/m3	4.2	1.75		02/14/16 22:10	67-64-1		
Allyl chloride	ND	ug/m3	7.0	1.75		02/14/16 22:10	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		02/14/16 22:10	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		02/14/16 22:10	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		02/14/16 22:10	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		02/14/16 22:10	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		02/14/16 22:10	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		02/14/16 22:10	78-93-3		
Carbon disulfide	ND	ug/m3	2.8	1.75		02/14/16 22:10	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.2	1.75		02/14/16 22:10	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		02/14/16 22:10	108-90-7		
Chlorodifluoromethane	15.8	ug/m3	1.3	1.75		02/14/16 22:10	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		02/14/16 22:10	75-00-3		
Chloroform	2.1	ug/m3	1.7	1.75		02/14/16 22:10	67-66-3		
Chloromethane	0.98	ug/m3	0.74	1.75		02/14/16 22:10	74-87-3		
Chloropentafluoroethane	ND	ug/m3	30.1	9.38		03/03/16 10:54	76-15-3	IC,SS	
Cyclohexane	1.9	ug/m3	1.2	1.75		02/14/16 22:10	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	46.1	9.38		03/03/16 10:54	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	15.2	1.75		02/14/16 22:10	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		02/14/16 22:10	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		02/14/16 22:10	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 22:10	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.7	1.75		02/14/16 22:10	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.75		02/14/16 22:10	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		02/14/16 22:10	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		02/14/16 22:10	107-06-2		
1,1-Dichloroethene	33.0	ug/m3	1.4	1.75		02/14/16 22:10	75-35-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108D_50.5_20160202		Lab ID: 10337934014		Collected: 02/02/16 11:14		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	11200	ug/m3	152	187.6		03/01/16 15:28	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 22:10	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		02/14/16 22:10	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 22:10	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 22:10	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		02/14/16 22:10	76-14-2		
Freon 123	ND	ug/m3	29.8	9.38		03/03/16 10:54	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		02/14/16 22:10	123-91-1		
Ethylbenzene	13.4	ug/m3	1.5	1.75		02/14/16 22:10	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.7	1.75		02/14/16 22:10	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		02/14/16 22:10	87-68-3		
n-Hexane	2.8	ug/m3	1.3	1.75		02/14/16 22:10	110-54-3		
2-Hexanone	ND	ug/m3	18.2	1.75		02/14/16 22:10	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		02/14/16 22:10	98-82-8		
Methyl acetate	ND	ug/m3	14.4	9.38		03/03/16 10:54	79-20-9	CL	
Methylcyclohexane	3.8	ug/m3	3.6	1.75		02/14/16 22:10	108-87-2		
Methylene Chloride	15.3	ug/m3	6.2	1.75		02/14/16 22:10	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		02/14/16 22:10	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		02/14/16 22:10	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		02/14/16 22:10	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		02/14/16 22:10	100-42-5		
1,1,2,2-Tetrachloroethane	1.8	ug/m3	1.2	1.75		02/14/16 22:10	79-34-5		
Tetrachloroethene	671	ug/m3	32.3	46.9		03/01/16 02:55	127-18-4		
Toluene	157	ug/m3	1.3	1.75		02/14/16 22:10	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		02/14/16 22:10	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		02/14/16 22:10	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		02/14/16 22:10	79-00-5		
Trichloroethene	397	ug/m3	25.8	46.9		03/01/16 02:55	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		02/14/16 22:10	75-69-4		
1,1,2-Trichlorotrifluoroethane	92.2	ug/m3	2.8	1.75		02/14/16 22:10	76-13-1		
1,2,4-Trimethylbenzene	6.1	ug/m3	4.4	1.75		02/14/16 22:10	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.7	1.75		02/14/16 22:10	108-67-8		
Vinyl chloride	1.7	ug/m3	0.46	1.75		02/14/16 22:10	75-01-4		
m&p-Xylene	85.0	ug/m3	3.1	1.75		02/14/16 22:10	179601-23-1		
o-Xylene	8.2	ug/m3	1.5	1.75		02/14/16 22:10	95-47-6		

Sample: VP-108D_50.5_20160202DUP		Lab ID: 10337934015		Collected: 02/02/16 11:14		Received: 02/05/16 09:35		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	9.6	7		03/03/16 09:16	75-37-6	
Acetone		ND	ug/m3	4.2	1.75		02/14/16 22:42	67-64-1	
Allyl chloride		ND	ug/m3	7.0	1.75		02/14/16 22:42	107-05-1	
Benzene		ND	ug/m3	1.1	1.75		02/14/16 22:42	71-43-2	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108D_50.5_20160202DUP **Lab ID:** 10337934015 **Collected:** 02/02/16 11:14 **Received:** 02/05/16 09:35 **Matrix:** Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Bromodichloromethane	ND	ug/m3	2.4	1.75		02/14/16 22:42	75-27-4	
Bromoform	ND	ug/m3	9.2	1.75		02/14/16 22:42	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75		02/14/16 22:42	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	1.75		02/14/16 22:42	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		02/14/16 22:42	78-93-3	
Carbon disulfide	ND	ug/m3	2.8	1.75		02/14/16 22:42	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.2	1.75		02/14/16 22:42	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		02/14/16 22:42	108-90-7	
Chlorodifluoromethane	2.8	ug/m3	1.3	1.75		02/14/16 22:42	75-45-6	
Chloroethane	ND	ug/m3	0.94	1.75		02/14/16 22:42	75-00-3	
Chloroform	2.3	ug/m3	1.7	1.75		02/14/16 22:42	67-66-3	
Chloromethane	0.77	ug/m3	0.74	1.75		02/14/16 22:42	74-87-3	
Chloropentafluoroethane	ND	ug/m3	22.5	7		03/03/16 09:16	76-15-3	IC,SS
Cyclohexane	2.0	ug/m3	1.2	1.75		02/14/16 22:42	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	34.4	7		03/03/16 09:16	96-12-8	CL,L2,SS
Dibromochloromethane	ND	ug/m3	15.2	1.75		02/14/16 22:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		02/14/16 22:42	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		02/14/16 22:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 22:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	10.7	1.75		02/14/16 22:42	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.75		02/14/16 22:42	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		02/14/16 22:42	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		02/14/16 22:42	107-06-2	
1,1-Dichloroethene	36.0	ug/m3	1.4	1.75		02/14/16 22:42	75-35-4	
cis-1,2-Dichloroethene	11800	ug/m3	113	140		03/01/16 15:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 22:42	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		02/14/16 22:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 22:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 22:42	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		02/14/16 22:42	76-14-2	
Freon 123	ND	ug/m3	22.3	7		03/03/16 09:16	306-83-2	CL
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		02/14/16 22:42	123-91-1	
Ethylbenzene	14.6	ug/m3	1.5	1.75		02/14/16 22:42	100-41-4	
4-Ethyltoluene	ND	ug/m3	8.7	1.75		02/14/16 22:42	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		02/14/16 22:42	87-68-3	
n-Hexane	1.4	ug/m3	1.3	1.75		02/14/16 22:42	110-54-3	
2-Hexanone	ND	ug/m3	18.2	1.75		02/14/16 22:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		02/14/16 22:42	98-82-8	
Methyl acetate	ND	ug/m3	10.8	7		03/03/16 09:16	79-20-9	CL
Methylcyclohexane	4.2	ug/m3	3.6	1.75		02/14/16 22:42	108-87-2	
Methylene Chloride	ND	ug/m3	6.2	1.75		02/14/16 22:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		02/14/16 22:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		02/14/16 22:42	1634-04-4	
2-Propanol	ND	ug/m3	4.4	1.75		02/14/16 22:42	67-63-0	
Styrene	ND	ug/m3	1.5	1.75		02/14/16 22:42	100-42-5	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108D_50.5_20160202DUP		Lab ID: 10337934015	Collected: 02/02/16 11:14	Received: 02/05/16 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,2,2-Tetrachloroethane	1.8	ug/m3	1.2	1.75		02/14/16 22:42	79-34-5	
Tetrachloroethene	719	ug/m3	24.1	35		03/01/16 03:24	127-18-4	
Toluene	175	ug/m3	1.3	1.75		02/14/16 22:42	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		02/14/16 22:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		02/14/16 22:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		02/14/16 22:42	79-00-5	
Trichloroethene	393	ug/m3	19.2	35		03/01/16 03:24	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		02/14/16 22:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	102	ug/m3	2.8	1.75		02/14/16 22:42	76-13-1	
1,2,4-Trimethylbenzene	6.6	ug/m3	4.4	1.75		02/14/16 22:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	8.7	1.75		02/14/16 22:42	108-67-8	
Vinyl chloride	1.9	ug/m3	0.46	1.75		02/14/16 22:42	75-01-4	
m&p-Xylene	95.1	ug/m3	3.1	1.75		02/14/16 22:42	179601-23-1	
o-Xylene	8.7	ug/m3	1.5	1.75		02/14/16 22:42	95-47-6	

Sample: VP-108D_60_20160202		Lab ID: 10337934016	Collected: 02/02/16 11:23	Received: 02/05/16 09:35	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		02/14/16 23:14	75-37-6	
Acetone	8.8	ug/m3	4.2	1.75		02/14/16 23:14	67-64-1	
Allyl chloride	ND	ug/m3	7.0	1.75		02/14/16 23:14	107-05-1	
Benzene	ND	ug/m3	1.1	1.75		02/14/16 23:14	71-43-2	
Bromodichloromethane	ND	ug/m3	2.4	1.75		02/14/16 23:14	75-27-4	
Bromoform	ND	ug/m3	9.2	1.75		02/14/16 23:14	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75		02/14/16 23:14	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	1.75		02/14/16 23:14	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		02/14/16 23:14	78-93-3	
Carbon disulfide	ND	ug/m3	2.8	1.75		02/14/16 23:14	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.2	1.75		02/14/16 23:14	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		02/14/16 23:14	108-90-7	
Chlorodifluoromethane	1.9	ug/m3	1.3	1.75		02/14/16 23:14	75-45-6	
Chloroethane	ND	ug/m3	0.94	1.75		02/14/16 23:14	75-00-3	
Chloroform	ND	ug/m3	1.7	1.75		02/14/16 23:14	67-66-3	
Chloromethane	1.0	ug/m3	0.74	1.75		02/14/16 23:14	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		02/14/16 23:14	76-15-3	IC,SS
Cyclohexane	ND	ug/m3	1.2	1.75		02/14/16 23:14	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		02/14/16 23:14	96-12-8	CL,L2,SS
Dibromochloromethane	ND	ug/m3	15.2	1.75		02/14/16 23:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		02/14/16 23:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		02/14/16 23:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		02/14/16 23:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	10.7	1.75		02/14/16 23:14	106-46-7	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108D_60_20160202		Lab ID: 10337934016		Collected: 02/02/16 11:23		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.75		02/14/16 23:14	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		02/14/16 23:14	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		02/14/16 23:14	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 23:14	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 23:14	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		02/14/16 23:14	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		02/14/16 23:14	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 23:14	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		02/14/16 23:14	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		02/14/16 23:14	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		02/14/16 23:14	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		02/14/16 23:14	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		02/14/16 23:14	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.7	1.75		02/14/16 23:14	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		02/14/16 23:14	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		02/14/16 23:14	110-54-3		
2-Hexanone	ND	ug/m3	18.2	1.75		02/14/16 23:14	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		02/14/16 23:14	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		02/14/16 23:14	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.6	1.75		02/14/16 23:14	108-87-2		
Methylene Chloride	6.8	ug/m3	6.2	1.75		02/14/16 23:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		02/14/16 23:14	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		02/14/16 23:14	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		02/14/16 23:14	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		02/14/16 23:14	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		02/14/16 23:14	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		02/14/16 23:14	127-18-4		
Toluene	ND	ug/m3	1.3	1.75		02/14/16 23:14	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		02/14/16 23:14	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		02/14/16 23:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		02/14/16 23:14	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		02/14/16 23:14	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		02/14/16 23:14	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		02/14/16 23:14	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.4	1.75		02/14/16 23:14	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.7	1.75		02/14/16 23:14	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		02/14/16 23:14	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		02/14/16 23:14	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		02/14/16 23:14	95-47-6		

Sample: VP-108D_70_20160202		Lab ID: 10337934017		Collected: 02/02/16 11:45		Received: 02/05/16 09:35		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	2.3	1.68		02/14/16 23:45	75-37-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108D_70_20160202		Lab ID: 10337934017		Collected: 02/02/16 11:45		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	16.1	ug/m3	4.0	1.68		02/14/16 23:45	67-64-1		
Allyl chloride	ND	ug/m3	6.7	1.68		02/14/16 23:45	107-05-1		
Benzene	ND	ug/m3	1.1	1.68		02/14/16 23:45	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		02/14/16 23:45	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		02/14/16 23:45	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		02/14/16 23:45	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		02/14/16 23:45	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		02/14/16 23:45	78-93-3		
Carbon disulfide	ND	ug/m3	2.7	1.68		02/14/16 23:45	75-15-0		
Carbon tetrachloride	ND	ug/m3	2.1	1.68		02/14/16 23:45	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		02/14/16 23:45	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		02/14/16 23:45	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		02/14/16 23:45	75-00-3		
Chloroform	ND	ug/m3	1.7	1.68		02/14/16 23:45	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		02/14/16 23:45	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		02/14/16 23:45	76-15-3	IC,SS	
Cyclohexane	ND	ug/m3	1.2	1.68		02/14/16 23:45	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		02/14/16 23:45	96-12-8	CL,L2,SS	
Dibromochloromethane	ND	ug/m3	14.5	1.68		02/14/16 23:45	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		02/14/16 23:45	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		02/14/16 23:45	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		02/14/16 23:45	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	10.3	1.68		02/14/16 23:45	106-46-7		
Dichlorodifluoromethane	8.8	ug/m3	1.7	1.68		02/14/16 23:45	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		02/14/16 23:45	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		02/14/16 23:45	107-06-2		
1,1-Dichloroethene	3.8	ug/m3	1.4	1.68		02/14/16 23:45	75-35-4		
cis-1,2-Dichloroethene	462	ug/m3	13.6	16.8		03/01/16 00:34	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		02/14/16 23:45	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		02/14/16 23:45	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 23:45	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	3.9	1.68		02/14/16 23:45	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		02/14/16 23:45	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		02/14/16 23:45	306-83-2	CL	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		02/14/16 23:45	123-91-1		
Ethylbenzene	3.5	ug/m3	1.5	1.68		02/14/16 23:45	100-41-4		
4-Ethyltoluene	ND	ug/m3	8.4	1.68		02/14/16 23:45	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	18.2	1.68		02/14/16 23:45	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		02/14/16 23:45	110-54-3		
2-Hexanone	ND	ug/m3	17.5	1.68		02/14/16 23:45	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		02/14/16 23:45	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		02/14/16 23:45	79-20-9	CL	
Methylcyclohexane	ND	ug/m3	3.4	1.68		02/14/16 23:45	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		02/14/16 23:45	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		02/14/16 23:45	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		02/14/16 23:45	1634-04-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Sample: VP-108D_70_20160202		Lab ID: 10337934017		Collected: 02/02/16 11:45		Received: 02/05/16 09:35		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	ND	ug/m3	4.2	1.68		02/14/16 23:45	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		02/14/16 23:45	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		02/14/16 23:45	79-34-5		
Tetrachloroethene	128	ug/m3	1.2	1.68		02/14/16 23:45	127-18-4		
Toluene	101	ug/m3	1.3	1.68		02/14/16 23:45	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		02/14/16 23:45	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		02/14/16 23:45	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		02/14/16 23:45	79-00-5		
Trichloroethene	30.9	ug/m3	0.92	1.68		02/14/16 23:45	79-01-6		
Trichlorofluoromethane	13.9	ug/m3	1.9	1.68		02/14/16 23:45	75-69-4		
1,1,2-Trichlorotrifluoroethane	39.5	ug/m3	2.7	1.68		02/14/16 23:45	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.2	1.68		02/14/16 23:45	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	8.4	1.68		02/14/16 23:45	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		02/14/16 23:45	75-01-4		
m&p-Xylene	27.6	ug/m3	3.0	1.68		02/14/16 23:45	179601-23-1		
o-Xylene	1.5	ug/m3	1.5	1.68		02/14/16 23:45	95-47-6		

REPORT OF LABORATORY ANALYSIS

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Appendix C

Support Documentation

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10337934

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-108D_50.5_20160202	1,1,2,2-TETRACHLOROETHANE	1.8	VP-108D_50.5_20160202DUP	1,1,2,2-TETRACHLOROETHANE	1.8	0.00	0	1.2
	1,1-DICHLOROETHENE	33		1,1-DICHLOROETHENE	36	8.70	3	1.4
	1,2,4-TRIMETHYLBENZENE	6.1		1,2,4-TRIMETHYLBENZENE	6.6	7.87	0.5	4.4
	ACETONE	12		ACETONE	4.2 U	NA	7.8	4.2
	CHLORODIFLUOROMETHANE	15.8		CHLORODIFLUOROMETHANE	2.8	139.78	13	1.3
	CHLOROFORM	2.1		CHLOROFORM	2.3	9.09	0.2	1.7
	CHLOROMETHANE	0.98		CHLOROMETHANE	0.77	NA	0.21	0.74
	CIS-1,2-DICHLOROETHENE	11200		CIS-1,2-DICHLOROETHENE	11800	5.22	600	152
	CYCLOHEXANE	1.9		CYCLOHEXANE	2	5.13	0.1	1.2
	DICHLORODIFLUOROMETHANE	2.4		DICHLORODIFLUOROMETHANE	2.4	0.00	0	1.8
	ETHYLBENZENE	13.4		ETHYLBENZENE	14.6	8.57	1.2	1.5
	HEXANE	2.8		HEXANE	1.4	66.67	1.4	1.3
	M+P-XYLENES	85		M+P-XYLENES	95.1	11.22	10.1	3.1
	METHYL CYCLOHEXANE	3.8		METHYL CYCLOHEXANE	4.2	10.00	0.4	3.6
	METHYLENE CHLORIDE	15.3		METHYLENE CHLORIDE	6.2 U	NA	9.1	6.2
	O-XYLENE	8.2		O-XYLENE	8.7	5.92	0.5	1.5
	TETRACHLOROETHENE	671		TETRACHLOROETHENE	719	6.91	48	32.3
	TOLUENE	157		TOLUENE	175	10.84	18	1.3
	TRICHLOROETHENE	397		TRICHLOROETHENE	393	1.01	4	25.8
	VINYL CHLORIDE	1.7		VINYL CHLORIDE	1.9	11.11	0.2	0.46

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10337934

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-3_5_20160202	2-HEXANONE	3060	VP-3_5_20160202 DUP	2-HEXANONE	17.5 U	NA	3042.5	17.5
	ACETONE	12		ACETONE	4.9	84.02	7.1	4
	CHLORODIFLUOROMETHANE	1.2 U		CHLORODIFLUOROMETHANE	1.5	NA	0.3	1.2
	DICHLORODIFLUOROMETHANE	1.7 U		DICHLORODIFLUOROMETHANE	2.2	NA	0.5	1.7
	TETRACHLOROETHENE	10		TETRACHLOROETHENE	9.8	2.02	0.2	1.2
	TOLUENE	1.3 U		TOLUENE	2.2	NA	0.9	1.3
	TRICHLOROETHENE	3.1		TRICHLOROETHENE	0.92 U	108.46	2.18	0.92

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

LMC - GREAT NECK
SDG 10337934

SAMPLE IDENTIFICATION

VP-108_29.5_20160202

COMPOUND

TRANS-1,2-DICHLOROETHENE

MW=

96.943

GAS CONSTANT =

24.04

COMPOUND AREA

393264

INTERNAL STANDARD AMOUNT (ppbv)

10

CALIBRATION VOLUME (ppbv)

200

DILUTION FACTOR

1.92

INTERNAL STANDARD AREA

268044

AVERAGE RRF

0.44247

SAMPLE VOLUME (ppbv)

200

63.7 ppbv

257 $\mu\text{g}/\text{m}^3$

Data File: \\192.168.10.12\chem\10airB.i\021416.b\04526.D
Report Date: 23-Feb-2016 12:08

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10airB.i\021416.b\04526.D
Lab Smp Id: 10337934013
Inj Date : 14-FEB-2016 21:05
Operator : DR1
Smp Info :
Misc Info : 25219
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10airB.i\021416.b\TO15_040-16.m
Meth Date : 15-Feb-2016 08:25 drandall Quant Type: ISTD
Cal Date : 09-FEB-2016 19:02 Cal File: 04021.D
Als bottle: 26
Dil Factor: 1.92000
Integrator: HP RTE
Target Version: 4.14
Processing Host: 10MNAIRRC92

Inst ID: 10airB.i

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.920	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)
=====	=====	=====	=====	=====	=====	=====	=====	
1 Chlorodifluoromethane	51	Compound	Not	Detected.				(D)
2 Propylene	41	Compound	Not	Detected.				(D)
3 Dichlorodifluoromethane	85	Compound	Not	Detected.				(D)
4 Dichlorotetrafluoroethane	85	Compound	Not	Detected.				(D)
5 Chloromethane	50	Compound	Not	Detected.				(D)
6 Vinyl chloride	62	Compound	Not	Detected.				
7 1,3-Butadiene	54	Compound	Not	Detected.				(D)
8 Bromomethane	94	Compound	Not	Detected.				
9 Chloroethane	64	Compound	Not	Detected.				
10 Ethanol	45	Compound	Not	Detected.				
11 Vinyl Bromide	106	Compound	Not	Detected.				
12 Isopentane	43	Compound	Not	Detected.				
13 Acrolein	56	Compound	Not	Detected.				
14 Trichlorofluoromethane	101	3.551	3.557	(0.635)	38579	1.39941	2.69	
15 Acetone	43	3.685	3.612	(0.659)	37052	3.02184	5.80 (MH)	
16 Isopropyl Alcohol	45	Compound	Not	Detected.				(D)
17 Acrylonitrile	53	Compound	Not	Detected.				
18 1,1-Dichloroethene	61	3.794	3.801	(0.678)	75489	5.59426	10.7	
19 Tert Butyl Alcohol (TBA)	59	Compound	Not	Detected.				
20 Freon 113	101	3.880	3.843	(0.694)	3564377	201.287	386 (A)	
21 Methylene chloride	49	Compound	Not	Detected.				(D)
22 Allyl Chloride	76	Compound	Not	Detected.				
23 Carbon Disulfide	76	Compound	Not	Detected.				

Data File: \\192.168.10.12\chem\10airB.i\021416.b\04526.D
Report Date: 23-Feb-2016 12:08

Compounds	QUANT	SIG						CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
24 trans-1,2-dichloroethene	96		4.191	4.197	(0.749)	393264	33.1587	63.7 (AH)	
25 Methyl Tert Butyl Ether	73		Compound Not Detected.						
26 Vinyl Acetate	43		Compound Not Detected.						
27 1,1-Dichloroethane	63		4.368	4.331	(0.781)	149845	5.85288	11.2 (M)	
\$ 28 Hexane-d14 (S)	66		4.422	4.398	(0.791)	35201	9.35230	9.35	
29 Methyl Ethyl Ketone	72		Compound Not Detected.						
30 n-Hexane	57		Compound Not Detected.						
31 Di-isopropyl Ether	45		Compound Not Detected.						
32 Ethyl Acetate	43		Compound Not Detected.						
33 cis-1,2-Dichloroethene	96		4.666	4.660	(0.834)	9006881	660.263	1270 (AQ)	
34 Ethyl Tert-Butyl Ether	59		Compound Not Detected.						(D)
35 Chloroform	83		4.800	4.782	(0.858)	339415	11.2487	21.6	
36 Tetrahydrofuran	42		Compound Not Detected.						(D)
37 1,1,1-Trichloroethane	97		5.209	5.178	(0.931)	430341	13.0540	25.1	
38 1,2-Dichloroethane	62		5.203	5.184	(0.930)	30036	1.21950	2.34	
39 Benzene	78		5.447	5.416	(0.974)	104395	2.74650	5.27	
40 Carbon tetrachloride	117		Compound Not Detected.						
41 Cyclohexane	56		Compound Not Detected.						(D)
42 Tert Amyl Methyl Ether	73		Compound Not Detected.						
* 43 1,4-Difluorobenzene	114		5.593	5.569	(1.000)	268044	10.0000		
44 2,2,4-Trimethylpentane	57		Compound Not Detected.						(D)
45 Heptane	43		Compound Not Detected.						
46 1,2-Dichloropropane	63		Compound Not Detected.						(D)
47 Trichloroethene	130		5.977	5.953	(1.069)	6921878	334.743	643 (A)	
48 1,4-Dioxane	88		Compound Not Detected.						
49 Bromodichloromethane	83		Compound Not Detected.						(D)
50 Methylcyclohexane	98		Compound Not Detected.						
51 Methyl Isobutyl Ketone	43		Compound Not Detected.						
52 cis-1,3-Dichloropropene	75		Compound Not Detected.						
53 trans-1,3-Dichloropropene	75		Compound Not Detected.						
\$ 54 Toluene-d8 (S)	98		7.068	7.050	(1.264)	247507	8.58015	8.58	
55 Toluene	91		7.147	7.129	(1.278)	8766	0.18827	0.361 (a)	
56 1,1,2-Trichloroethane	97		7.135	7.123	(1.276)	9619	0.57036	1.10	
57 Methyl Butyl Ketone	43		Compound Not Detected.						(D)
58 Dibromochloromethane	129		Compound Not Detected.						
59 1,2-Dibromoethane	107		Compound Not Detected.						
60 Tetrachloroethene	166		8.013	7.971	(0.923)	14591086	956.985	1840 (AM)	
* 61 Chlorobenzene - d5	117		8.678	8.635	(1.000)	121266	10.0000		
62 Chlorobenzene	112		8.714	8.684	(1.004)	3907	0.16629	0.319 (a)	
63 Ethyl Benzene	91		Compound Not Detected.						
64 m&p-Xylene	91		9.111	9.080	(1.050)	2228	0.19756	0.379 (a)	
65 Bromoform	173		Compound Not Detected.						
66 Styrene	104		Compound Not Detected.						
67 o-Xylene	91		Compound Not Detected.						
68 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.						
69 Isopropylbenzene	105		Compound Not Detected.						
70 N-Propylbenzene	91		Compound Not Detected.						
71 4-Ethyltoluene	105		Compound Not Detected.						
72 1,3,5-Trimethylbenzene	105		Compound Not Detected.						
73 Tert-Butyl Benzene	119		Compound Not Detected.						
74 1,2,4-Trimethylbenzene	105		Compound Not Detected.						
75 1,3-Dichlorobenzene	146		11.811	11.805	(1.361)	12662	0.53813	1.03	
76 Sec- Butylbenzene	105		Compound Not Detected.						
\$ 77 1,4-dichlorobenzene-d4 (S)	150		11.872	11.860	(1.368)	78592	11.8794	11.9	
78 Benzyl Chloride	91		Compound Not Detected.						

Data File: \\192.168.10.12\chem\10airB.i\021416.b\04526.D
Report Date: 23-Feb-2016 12:08

Compounds	QUANT SIG							CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	=====	=====	=====	=====	=====	(ppbv)	(ppbv)	
79 1,4-Dichlorobenzene	146	11.903	11.897	(1.372)	17887	0.65057	1.25		
80 p-Isopropyltoluene	119	Compound Not Detected.							
81 1,2,3-Trimethylbenzene	105	Compound Not Detected.							
82 1,2-Dichlorobenzene	146	12.293	12.287	(1.417)	4911	0.17828	0.342 (aM)		
83 N-Butylbenzene	91	Compound Not Detected.							
84 1,2,4-Trichlorobenzene	180	Compound Not Detected.							
85 Naphthalene	128	Compound Not Detected.							
86 Hexachlorobutadiene	225	Compound Not Detected.							

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.
- D - User disabled compound identification.



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10337934

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	23761	Page: 1 of 2
Company: <u>TERRA TECH</u>	Report To: <u>KEITH McDERMOTT</u>	Attention:	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
Address: <u>295 RT 22E, SUITE 104E</u>	Copy To:	Company Name:		
<u>WHITEPINE STATION, NJ 08869</u>	Purchase Order No.:	Address:		
Email To: <u>KEITH.MCDERMOTT@TERRATECH.COM</u>	Project Name: <u>Lake Great Neck</u>	Pace Quote Reference:		
Phone: <u>(908) 534-2303</u> Fax:	Project Number: <u>117-0507674</u>	Pace Project Manager/Sales Rep.		
Requested Due Date/TAT:		Pace Profile #:	Location of Sampling by State <u>NY</u>	
			Reporting Units ug/m ³ <input checked="" type="checkbox"/> mg/m ³ <input type="checkbox"/> PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/>	
			Report Level II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> Other <input type="checkbox"/>	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA Tedlar Bag 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other	CODE TB 1LC 6LC LVP HVP PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID
						COMPOSITE START		COMPOSITE -						PM10	3C-Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO-15 Short List*		
						END/GRAB		END																
						DATE	TIME	DATE	TIME															
1	VP-3_5_20160202	6LC		02/2/16	0758	2/2/16	1034	-29.5	-7	2702	0158												X	001
2	VP-3_5_20160202 DUP	6LC		2/2/16	0758	2/2/16	1119	-30	-8	2745	0196												X	002
3	VP-3_10_20160202	6LC		2/2/16	0758	2/2/16	0937	-29	-7	1051	0239												X	003
4	VP-3_20_20160202	6LC		2/2/16	0758	2/2/16	1036	-29	-7.5	0808	0176												X	004
5	VP-3_30_20160202	6LC		2/2/16	0758	2/2/16	1040	-30	-7	2372	0171												X	005
6	VP-3D_40_20160202	6LC		2/2/16	0758	2/2/16	1037	-29.5	-7	2336	0192												X	006
7	VP-3D_51_20160202	6LC		2/2/16	0758	2/2/16	1025	-29	-7	2306	0193												X	007
8	VP-3D_61_20160202	6LC		2/2/16	0847	2/2/16	1112	-29	-8	0622	0177												X	008
9	VP-3D_73_20160202	6LC		2/2/16	0916	2/2/16	1206	-29	-8	0859	0162												X	009
10	VP-108_5_20160202	6LC		2/2/16	0841	2/2/16	1110	-29.5	-8	0053	0199												X	010
11	VP-108_10_20160202	6LC		2/2/16	0841	2/2/16	1110	-29	-8	0804	0166												X	011
12	VP-108_20_20160202	6LC		2/2/16	0842	2/2/16	1122	-30	-8	2104	0167												X	012

Comments: * MODIFIED COC LIST	RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
			2/4/16	1022			2/4/16	1022	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
			2/4/16	1230			2/5/16	0935				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <u>JON B. K. CHRIS ESTEVEZ KEITH McDERMOTT</u>					
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): <u>02/02/16</u>					

ORIGINAL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10337934


Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		23760		Page: 2 of 2	
Company: TETRA TEL		Report To: KEITH McDERMOTT		Attention:		Program			
Address: 295 RT 22E, SUITE 104E		Copy To:		Company Name:		<input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act			
Email To: WHITEHOUSE STATION, NJ 08809		Purchase Order No.:		Address:		<input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other			
Phone: 908) 534-2703		Project Name: LINC GREAT NECK		Pace Quote Reference:		Location of Sampling by State NJ		Reporting Units	
Fax:		Project Number: 117-0507644		Pace Project Manager/Sales Rep.		Other		ug/m ³ <input checked="" type="checkbox"/> mg/m ³ <input type="checkbox"/>	
Requested Due Date/TAT:				Pace Profile #:		Report Level: I. <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> Other <input type="checkbox"/>		PPBV <input type="checkbox"/> PPMV <input type="checkbox"/>	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID
					COMPOSITE START END/GRAB		COMPOSITE - END						PM10	3C - Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO-15 Short List*		
					DATE	TIME	DATE	TIME															
1	VP-108-29.5-20160202		6LC		2/2/16	0842	2/2/16	1110	-28	-8.5	2318	0170									X		013
2	VP-108D-50.5-20160202		6LC		2/2/16	0840	2/2/16	1114	-30	-8	1249	0194									X		014
3	VP-108D-50.5-20160202 DUP		6LC		2/2/16	0840	2/2/16	1114	-30	-8	2825	6184									X		015
4	VP-108D-60-20160202		6LC		2/2/16	0840	2/2/16	1123	-29.5	-8	0818	0245									X		016
5	VP-108D-70-20160202		6LC		2/2/16	0840	2/2/16	1145	-30	-8	2333	0185									X		017
6																							018, 019
7																							
8																							
9																							
10																							
11																							
12																							

Comments: * MODIFIED CAC LIST	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<i>[Signature]</i>	2/4/16	1022	<i>[Signature]</i>	2/4/16	1022	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
	<i>[Signature]</i>	2/4/16	1720	<i>[Signature]</i>	2/5/16	0935	Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	Jerry B. K. Chris Stever KEITH McDERMOTT
SIGNATURE of SAMPLER:	<i>[Signature]</i> 02/02/16

ORIGINAL

	Document Name: Air Sample Condition Upon Receipt	Document Revised: 29June2015 Page 1 of 1
	Document No.: F-MN-A-106-rev.10	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name:

Tetra Tech - NJ

Project #:

WO#: 10337934



Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client
☐ Commercial ☐ Pace ☐ Other: _____

Tracking Number: on other sheet

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X

Corrected Temp (°C): X

Thermom. Used:

☐ B88A912167504

☐ B88A9132521491

☐ 72337080

☐ 80512447

Temp should be above freezing to 6°C

Correction Factor: X

Date & Initials of Person Examining Contents: Q 2516

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
VP-3	2702	0158	VP-108	0804	0166
VP-3	2745	0196	VP-108	2104	0167
VP-3	1051	0239	VP-108	2318	0170
VP-3	0808	0176	VP-108D	1249	0194
VP-3	2372	0171	VP-108D	2825	0184
VP-3D	2336	0192	VP-108D	0818	0245
VP-3D	2306	0193	VP-108D	2333	0185
VP-3D	0622	0177	unused	0872	0074
VP-3D	0859	0162	unused	1243	0155
VP-108	0053	0199			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review:

Amp

Date:

2/8/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

General Information:

17 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

- VP-108D_50.5_20160202 (Lab ID: 10337934014)
- VP-108D_50.5_20160202DUP (Lab ID: 10337934015)
- VP-108D_60_20160202 (Lab ID: 10337934016)
- VP-108D_70_20160202 (Lab ID: 10337934017)
- VP-108_10_20160202 (Lab ID: 10337934011)
- VP-108_20_20160202 (Lab ID: 10337934012)
- VP-108_29.5_20160202 (Lab ID: 10337934013)
- VP-108_5_20160202 (Lab ID: 10337934010)
- VP-3D_40_20160202 (Lab ID: 10337934006)
- VP-3D_51_20160202 (Lab ID: 10337934007)
- VP-3D_61_20160202 (Lab ID: 10337934008)
- VP-3D_73_20160202 (Lab ID: 10337934009)
- VP-3_10_20160202 (Lab ID: 10337934003)
- VP-3_20_20160202 (Lab ID: 10337934004)
- VP-3_30_20160202 (Lab ID: 10337934005)
- VP-3_5_20160202 (Lab ID: 10337934001)
- VP-3_5_20160202 DUP (Lab ID: 10337934002)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25219

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 2191686)
 - Chloropentafluoroethane
- LCS (Lab ID: 2191687)
 - Chloropentafluoroethane
- VP-108D_50.5_20160202 (Lab ID: 10337934014)
 - Chloropentafluoroethane
- VP-108D_50.5_20160202DUP (Lab ID: 10337934015)
 - Chloropentafluoroethane
- VP-108D_60_20160202 (Lab ID: 10337934016)
 - Chloropentafluoroethane
- VP-108D_70_20160202 (Lab ID: 10337934017)
 - Chloropentafluoroethane
- VP-108_10_20160202 (Lab ID: 10337934011)
 - Chloropentafluoroethane
- VP-108_20_20160202 (Lab ID: 10337934012)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25219

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- Chloropentafluoroethane
- VP-108_29.5_20160202 (Lab ID: 10337934013)
- Chloropentafluoroethane
- VP-108_5_20160202 (Lab ID: 10337934010)
- Chloropentafluoroethane
- VP-3D_40_20160202 (Lab ID: 10337934006)
- Chloropentafluoroethane
- VP-3D_51_20160202 (Lab ID: 10337934007)
- Chloropentafluoroethane
- VP-3D_61_20160202 (Lab ID: 10337934008)
- Chloropentafluoroethane
- VP-3D_73_20160202 (Lab ID: 10337934009)
- Chloropentafluoroethane
- VP-3_10_20160202 (Lab ID: 10337934003)
- Chloropentafluoroethane
- VP-3_20_20160202 (Lab ID: 10337934004)
- Chloropentafluoroethane
- VP-3_30_20160202 (Lab ID: 10337934005)
- Chloropentafluoroethane
- VP-3_5_20160202 (Lab ID: 10337934001)
- Chloropentafluoroethane
- VP-3_5_20160202 DUP (Lab ID: 10337934002)
- Chloropentafluoroethane

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- BLANK (Lab ID: 2191686)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- LCS (Lab ID: 2191687)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-108D_50.5_20160202 (Lab ID: 10337934014)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-108D_50.5_20160202DUP (Lab ID: 10337934015)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-108D_60_20160202 (Lab ID: 10337934016)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-108D_70_20160202 (Lab ID: 10337934017)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-108_10_20160202 (Lab ID: 10337934011)

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25219

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,2-Dibromo-3-chloropropane
- Chloropentafluoroethane
- VP-108_20_20160202 (Lab ID: 10337934012)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-108_29.5_20160202 (Lab ID: 10337934013)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-108_5_20160202 (Lab ID: 10337934010)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3D_40_20160202 (Lab ID: 10337934006)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3D_51_20160202 (Lab ID: 10337934007)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3D_61_20160202 (Lab ID: 10337934008)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3D_73_20160202 (Lab ID: 10337934009)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3_10_20160202 (Lab ID: 10337934003)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3_20_20160202 (Lab ID: 10337934004)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3_30_20160202 (Lab ID: 10337934005)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3_5_20160202 (Lab ID: 10337934001)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-3_5_20160202 DUP (Lab ID: 10337934002)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25219

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 2191687)
 - Chloropentafluoroethane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 2191686)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- LCS (Lab ID: 2191687)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-108D_50.5_20160202 (Lab ID: 10337934014)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-108D_50.5_20160202DUP (Lab ID: 10337934015)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-108D_60_20160202 (Lab ID: 10337934016)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-108D_70_20160202 (Lab ID: 10337934017)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-108_10_20160202 (Lab ID: 10337934011)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-108_20_20160202 (Lab ID: 10337934012)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-108_29.5_20160202 (Lab ID: 10337934013)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-108_5_20160202 (Lab ID: 10337934010)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-3D_40_20160202 (Lab ID: 10337934006)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25219

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- 1,2-Dibromo-3-chloropropane
- Freon 123
- Methyl acetate
- VP-3D_51_20160202 (Lab ID: 10337934007)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-3D_61_20160202 (Lab ID: 10337934008)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-3D_73_20160202 (Lab ID: 10337934009)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-3_10_20160202 (Lab ID: 10337934003)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-3_20_20160202 (Lab ID: 10337934004)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-3_30_20160202 (Lab ID: 10337934005)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-3_5_20160202 (Lab ID: 10337934001)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate
- VP-3_5_20160202 DUP (Lab ID: 10337934002)
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
 - Methyl acetate

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

QC Batch: AIR/25219

IS: The internal standard recovery associated with this result exceeds the lower control limit. The reported result should be considered an estimated value.

- VP-108_29.5_20160202 (Lab ID: 10337934013)
 - 1,3-Dichlorobenzene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: AIR/25219

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 2191687)
 - Chloropentafluoroethane

Additional Comments:

Analyte Comments:

QC Batch: AIR/25219

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- VP-108_29.5_20160202 (Lab ID: 10337934013)
 - Tetrachloroethene
- VP-3_5_20160202 (Lab ID: 10337934001)
 - 2-Hexanone

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507644 LMC Great Neck
Pace Project No.: 10337934

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IS	The internal standard recovery associated with this result exceeds the lower control limit. The reported result should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10337934001	VP-3_5_20160202	Air	02/02/16 10:34	02/05/16 09:35
10337934002	VP-3_5_20160202 DUP	Air	02/02/16 11:19	02/05/16 09:35
10337934003	VP-3_10_20160202	Air	02/02/16 09:37	02/05/16 09:35
10337934004	VP-3_20_20160202	Air	02/02/16 10:36	02/05/16 09:35
10337934005	VP-3_30_20160202	Air	02/02/16 10:40	02/05/16 09:35
10337934006	VP-3D_40_20160202	Air	02/02/16 10:37	02/05/16 09:35
10337934007	VP-3D_51_20160202	Air	02/02/16 10:25	02/05/16 09:35
10337934008	VP-3D_61_20160202	Air	02/02/16 11:12	02/05/16 09:35
10337934009	VP-3D_73_20160202	Air	02/02/16 12:06	02/05/16 09:35
10337934010	VP-108_5_20160202	Air	02/02/16 11:10	02/05/16 09:35
10337934011	VP-108_10_20160202	Air	02/02/16 11:10	02/05/16 09:35
10337934012	VP-108_20_20160202	Air	02/02/16 11:22	02/05/16 09:35
10337934013	VP-108_29.5_20160202	Air	02/02/16 11:10	02/05/16 09:35
10337934014	VP-108D_50.5_20160202	Air	02/02/16 11:14	02/05/16 09:35
10337934015	VP-108D_50.5_20160202DUP	Air	02/02/16 11:14	02/05/16 09:35
10337934016	VP-108D_60_20160202	Air	02/02/16 11:23	02/05/16 09:35
10337934017	VP-108D_70_20160202	Air	02/02/16 11:45	02/05/16 09:35
10337934018	Unused Can#0872	Air		02/05/16 09:35
10337934019	Unused Can#1243	Air		02/05/16 09:35

REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/02/2016
Lab File ID (Standard): 06211.D Time Analyzed: 14:40
Instrument ID: 10AIR0 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	1567223	4.648	629150	7.591
UPPER LIMIT	2194112	5.148	880810	8.091
LOWER LIMIT	940334	4.148	377490	7.091
EPA SAMPLE NO.				
BLANK for HBN 401078 [AIR/2521	1277371	4.653	551122	7.566
LCS for HBN 401078 [AIR/25219]	1384763	4.643	469621	7.586
VP-3_5_20160202	1225696	4.653	517248	7.565
VP-3_5_20160202 DUP	1196347	4.648	467750	7.566
VP-3_10_20160202	1222205	4.658	534469	7.571
VP-3_20_20160202	1184469	4.653	464291	7.566
VP-3_30_20160202	1293649	4.653	580346	7.571
VP-3D_40_20160202	1268565	4.653	562141	7.566
VP-3D_51_20160202	1206306	4.658	534753	7.570
VP-3D_61_20160202	1208051	4.658	531052	7.571
VP-3D_73_20160202	1155352	4.653	503261	7.571
VP-108_5_20160202	1141966	4.638	495979	7.566
VP-108_10_20160202	1068721	4.658	444013	7.571
VP-108_20_20160202	1070115	4.653	452695	7.571
VP-108_29.5_20160202	1036934	4.653	414262	7.571
VP-108D_50.5_20160202	1040391	4.658	441786	7.565
VP-108D_50.5_20160202DUP	1129076	4.669	485097	7.571
VP-108D_60_20160202	1077520	4.653	425683	7.571
VP-108D_70_20160202	1048806	4.664	456821	7.571

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 02/09/2016
Lab File ID (Standard): 04019.D Time Analyzed: 18:03
Instrument ID: 10AIRB Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	345215	5.575	246076	8.642
UPPER LIMIT	483301	6.075	344506	9.142
LOWER LIMIT	207129	5.075	147646	8.142
EPA SAMPLE NO.				
BLANK for HBN 401078 [AIR/2521	282468	5.545	169106	8.629
LCS for HBN 401078 [AIR/25219]	357559	5.569	246301	8.636
VP-3_5_20160202	405401	5.545	271947	8.629
VP-3_5_20160202 DUP	364007	5.545	222260	8.629
VP-3_10_20160202	346430	5.551	215351	8.629
VP-3_20_20160202	332361	5.538	203369	8.623
VP-3_30_20160202	318323	5.551	204075	8.635
VP-3D_40_20160202	323568	5.551	201046	8.630
VP-3D_51_20160202	301542	5.551	187943	8.635
VP-3D_61_20160202	282416	5.557	176357	8.635
VP-3D_73_20160202	290855	5.551	178300	8.636
VP-108_5_20160202	281919	5.545	176498	8.629
VP-108_10_20160202	290081	5.551	182257	8.630
VP-108_20_20160202	345205	5.545	215788	8.629
VP-108_29.5_20160202	268044	5.593	121266 *	8.678
VP-108D_50.5_20160202	340109	5.575	212370	8.635
VP-108D_50.5_20160202DUP	332850	5.575	208391	8.636
VP-108D_60_20160202	333715	5.545	203711	8.630
VP-108D_70_20160202	319848	5.551	201820	8.630

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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Data File: \\192.168.10.12\chem\10airB.i\020916.b\04019.D
Report Date: 10-Feb-2016 14:26

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10airB.i\020916.b\04019.D
Lab Smp Id: cal5
Inj Date : 09-FEB-2016 18:03
Operator : MLS
Smp Info :
Misc Info :
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10airB.i\020916.b\TO15_040-16.m
Meth Date : 10-Feb-2016 14:26 10airB.i Quant Type: ISTD
Cal Date : 09-FEB-2016 17:35 Cal File: 04018.D
Als bottle: 19 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: 10MNAIR04

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppbv)	ON-COL (ppbv)
1 Chlorodifluoromethane	51		2.917	2.917	(0.523)	274724	10.0000	9.03
2 Propylene	41		2.917	2.917	(0.523)	88114	10.0000	9.56
3 Dichlorodifluoromethane	85		2.953	2.953	(0.530)	494057	10.0000	9.39
4 Dichlorotetrafluoroethane	85		3.051	3.051	(0.547)	433061	10.0000	9.49
5 Chloromethane	50		3.045	3.045	(0.546)	163855	10.0000	9.17
6 Vinyl chloride	62		3.124	3.124	(0.560)	157187	10.0000	9.56
7 1,3-Butadiene	54		3.167	3.167	(0.568)	101639	10.0000	9.44
8 Bromomethane	94		3.307	3.307	(0.593)	116074	10.0000	9.51
9 Chloroethane	64		3.362	3.362	(0.603)	52848	10.0000	9.41 (M)
10 Ethanol	45		3.453	3.453	(0.619)	155017	50.0000	49.5
11 Vinyl Bromide	106		3.478	3.478	(0.624)	261619	25.0000	24.1
12 Isopentane	43		3.496	3.496	(0.627)	84733	10.0000	9.97 (M)
13 Acrolein	56		3.581	3.581	(0.642)	84643	25.0000	24.0
14 Trichlorofluoromethane	101		3.575	3.575	(0.641)	331175	10.0000	9.33
15 Acetone	43		3.624	3.624	(0.650)	636734	50.0000	47.9
16 Isopropyl Alcohol	45		3.685	3.685	(0.661)	709825	50.0000	49.4
17 Acrylonitrile	53		3.843	3.843	(0.689)	184010	25.0000	25.0
18 1,1-Dichloroethene	61		3.813	3.813	(0.684)	166730	10.0000	9.59
19 Tert Butyl Alcohol (TBA)	59		3.880	3.880	(0.696)	1129723	50.0000	48.3
20 Freon 113	101		3.855	3.855	(0.692)	210650	10.0000	9.24
21 Methylene chloride	49		3.929	3.929	(0.705)	509985	50.0000	46.7
22 Allyl Chloride	76		3.923	3.923	(0.704)	94331	25.0000	25.2 (Q)
23 Carbon Disulfide	76		4.032	4.032	(0.723)	267414	10.0000	9.50

Data File: \\192.168.10.12\chem\10airB.i\020916.b\04019.D
Report Date: 10-Feb-2016 14:26

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====		=====	=====	=====	=====	=====	=====	=====
24 trans-1,2-dichloroethene	96		4.203	4.203	(0.754)		151223	10.0000	9.90
25 Methyl Tert Butyl Ether	73		4.221	4.221	(0.757)		2031836	50.0000	49.0
26 Vinyl Acetate	43		4.319	4.319	(0.775)		333796	10.0000	9.98 (M)
27 1,1-Dichloroethane	63		4.337	4.337	(0.778)		317016	10.0000	9.61
\$ 28 Hexane-d14 (S)	66		4.410	4.410	(0.791)		43954	10.0000	9.07
29 Methyl Ethyl Ketone	72		4.489	4.489	(0.805)		375148	50.0000	48.5 (Q)
30 n-Hexane	57		4.502	4.502	(0.808)		367683	10.0000	11.2 (QM)
31 Di-isopropyl Ether	45		4.532	4.532	(0.813)		1728938	50.0000	53.0
32 Ethyl Acetate	43		4.654	4.654	(0.835)		304182	10.0000	10.4 (M)
33 cis-1,2-Dichloroethene	96		4.666	4.666	(0.837)		175558	10.0000	9.99
34 Ethyl Tert-Butyl Ether	59		4.764	4.764	(0.855)		2315876	50.0000	53.5
35 Chloroform	83		4.788	4.788	(0.859)		371567	10.0000	9.56
36 Tetrahydrofuran	42		4.928	4.928	(0.884)		160334	10.0000	9.76 (M)
37 1,1,1-Trichloroethane	97		5.178	5.178	(0.929)		426995	10.0000	10.0
38 1,2-Dichloroethane	62		5.191	5.191	(0.931)		314059	10.0000	9.90
39 Benzene	78		5.422	5.422	(0.973)		480513	10.0000	9.82
40 Carbon tetrachloride	117		5.441	5.441	(0.976)		450766	10.0000	10.1
41 Cyclohexane	56		5.441	5.441	(0.976)		244482	10.0000	10.2 (M)
42 Tert Amyl Methyl Ether	73		5.556	5.556	(0.997)		2050764	50.0000	53.9
* 43 1,4-Difluorobenzene	114		5.575	5.575	(1.000)		345215	10.0000	
44 2,2,4-Trimethylpentane	57		5.733	5.733	(1.028)		1939499	25.0000	24.5
45 Heptane	43		5.855	5.855	(1.050)		244459	10.0000	10.1 (M)
46 1,2-Dichloropropane	63		5.928	5.928	(1.063)		196902	10.0000	9.94 (M)
47 Trichloroethene	130		5.953	5.953	(1.068)		249717	10.0000	9.38
48 1,4-Dioxane	88		6.026	6.026	(1.081)		132801	10.0000	10.6 (M)
49 Bromodichloromethane	83		6.050	6.050	(1.085)		434375	10.0000	9.99
50 Methylcyclohexane	98		6.404	6.404	(1.149)		142650	10.0000	9.44
51 Methyl Isobutyl Ketone	43		6.501	6.501	(1.166)		1345355	50.0000	52.8
52 cis-1,3-Dichloropropene	75		6.562	6.562	(1.177)		314863	10.0000	9.67
53 trans-1,3-Dichloropropene	75		6.965	6.965	(1.249)		307469	10.0000	9.62 (M)
\$ 54 Toluene-d8 (S)	98		7.056	7.056	(1.266)		353546	10.0000	9.52
55 Toluene	91		7.129	7.129	(1.279)		619990	10.0000	10.3
56 1,1,2-Trichloroethane	97		7.129	7.129	(1.279)		220721	10.0000	10.2
57 Methyl Butyl Ketone	43		7.355	7.355	(0.851)		1331236	50.0000	54.2
58 Dibromochloromethane	129		7.666	7.666	(0.887)		439121	10.0000	10.9
59 1,2-Dibromoethane	107		7.897	7.897	(0.914)		384408	10.0000	11.1
60 Tetrachloroethene	166		7.977	7.977	(0.923)		320898	10.0000	10.4
* 61 Chlorobenzene - d5	117		8.641	8.641	(1.000)		246076	10.0000	
62 Chlorobenzene	112		8.684	8.684	(1.005)		511998	10.0000	10.7
63 Ethyl Benzene	91		8.934	8.934	(1.034)		867452	10.0000	10.1
64 m&p-Xylene	91		9.080	9.080	(1.051)		1332727	20.0000	20.4
65 Bromoform	173		9.482	9.482	(1.097)		363164	10.0000	10.2
66 Styrene	104		9.507	9.507	(1.100)		496459	10.0000	10.5
67 o-Xylene	91		9.580	9.580	(1.109)		694215	10.0000	10.1
68 1,1,2,2-Tetrachloroethane	83		9.830	9.830	(1.138)		425717	10.0000	10.1
69 Isopropylbenzene	105		10.165	10.165	(1.176)		912052	10.0000	10.1
70 N-Propylbenzene	91		10.744	10.744	(1.243)		1106078	10.0000	11.4 (M)
71 4-Ethyltoluene	105		10.921	10.921	(1.264)		913510	10.0000	10.9
72 1,3,5-Trimethylbenzene	105		11.007	11.007	(1.274)		777430	10.0000	11.1
73 Tert-Butyl Benzene	119		11.506	11.506	(1.332)		816236	10.0000	10.9
74 1,2,4-Trimethylbenzene	105		11.519	11.519	(1.333)		765261	10.0000	11.1
75 1,3-Dichlorobenzene	146		11.805	11.805	(1.366)		494225	10.0000	10.8
76 Sec- Butylbenzene	105		11.817	11.817	(1.368)		1062278	10.0000	10.1
\$ 77 1,4-dichlorobenzene-d4 (S)	150		11.860	11.860	(1.372)		142420	10.0000	10.6

Data File: \\192.168.10.12\chem\10airB.i\020916.b\04019.D
Report Date: 10-Feb-2016 14:26

Compounds	QUANT SIG	AMOUNTS					
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
78 Benzyl Chloride	91	11.872	11.872	(1.374)	609424	10.0000	9.99
79 1,4-Dichlorobenzene	146	11.897	11.897	(1.377)	497757	10.0000	11.0 (M)
80 p-Isopropyltoluene	119	11.994	11.994	(1.388)	920188	10.0000	10.6
81 1,2,3-Trimethylbenzene	105	12.043	12.043	(1.394)	758080	10.0000	11.1
82 1,2-Dichlorobenzene	146	12.287	12.287	(1.422)	466498	10.0000	10.7
83 N-Butylbenzene	91	12.470	12.470	(1.443)	856849	10.0000	10.1
84 1,2,4-Trichlorobenzene	180	14.061	14.061	(1.627)	286955	10.0000	10.2
85 Naphthalene	128	14.189	14.189	(1.642)	674323	10.0000	10.4
86 Hexachlorobutadiene	225	14.433	14.433	(1.670)	272849	10.0000	11.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 02/24/2016
Lab File ID (Standard): 05510.D Time Analyzed: 12:00
Instrument ID: 10AIRB Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	544545	5.581	347086	8.641
UPPER LIMIT	762363	6.081	485920	9.141
LOWER LIMIT	326727	5.081	208252	8.141
EPA SAMPLE NO.				
VP-3_10_20160202	558194	5.551	327667	8.629
VP-3_30_20160202	412119	5.545	242458	8.629
VP-3D_40_20160202	505796	5.545	300465	8.629
VP-3D_51_20160202	490738	5.545	285595	8.629
VP-3D_61_20160202	452796	5.551	264005	8.629
VP-3D_73_20160202	448887	5.551	260361	8.629
VP-108_29.5_20160202	388498	5.551	225632	8.636
VP-108D_50.5_20160202	410639	5.551	241518	8.630
VP-108D_50.5_20160202	387078	5.545	223884	8.629
VP-108D_50.5_20160202DUP	406171	5.557	235340	8.630
VP-108D_50.5_20160202DUP	418070	5.551	240290	8.630
VP-108D_70_20160202	468515	5.557	274538	8.629

cis-1,2-dichloroethene, tetrachloroethene, and
trichloroethene only

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 401078 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 06217.D

Lab Sample ID: 2191686

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 17:44

Instrument ID: 10AIR0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 401078 [AIR/	2191687	06214.D	16:14
02	VP-3_30_20160202	10337934005	06226.D	21:59
03	VP-3D_40_20160202	10337934006	06227.D	22:31
04	VP-3_5_20160202	10337934001	06228.D	23:04
05	VP-3_5_20160202 DUP	10337934002	06229.D	23:37
06	VP-3_10_20160202	10337934003	06230.D	00:10
07	VP-3_20_20160202	10337934004	06231.D	00:44
08	VP-3D_51_20160202	10337934007	06232.D	01:15
09	VP-3D_61_20160202	10337934008	06233.D	01:47
10	VP-3D_73_20160202	10337934009	06234.D	02:18
11	VP-108_5_20160202	10337934010	06235.D	08:44
12	VP-108D_50.5_20160202D	10337934015	06236.D	09:16
13	VP-108D_60_20160202	10337934016	06237.D	09:49
14	VP-108_20_20160202	10337934012	06238.D	10:20
15	VP-108D_50.5_20160202	10337934014	06239.D	10:54
16	VP-108_10_20160202	10337934011	06240.D	11:25
17	VP-108D_70_20160202	10337934017	06241.D	11:57
18	VP-108_29.5_20160202	10337934013	06242.D	12:25

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 401078 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 04508T.D

Lab Sample ID: 2191686

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 11:40

Instrument ID: 10AIRB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 401078 [AIR/	2191687	04502T.D	08:06
02	VP-3_5_20160202	10337934001	04513.D	14:18
03	VP-3_5_20160202 DUP	10337934002	04515.D	15:22
04	VP-3_10_20160202	10337934003	04516.D	15:53
05	VP-3_20_20160202	10337934004	04517.D	16:25
06	VP-3_30_20160202	10337934005	04518.D	16:57
07	VP-3D_40_20160202	10337934006	04519.D	17:28
08	VP-3D_51_20160202	10337934007	04520.D	18:00
09	VP-3D_61_20160202	10337934008	04522.D	18:59
10	VP-3D_73_20160202	10337934009	04523.D	19:31
11	VP-108_5_20160202	10337934010	04524.D	20:02
12	VP-108_10_20160202	10337934011	04525.D	20:34
13	VP-108_29.5_20160202	10337934013	04526.D	21:05
14	VP-108_20_20160202	10337934012	04527.D	21:37
15	VP-108D_50.5_20160202	10337934014	04528.D	22:10
16	VP-108D_50.5_20160202D	10337934015	04529.D	22:42
17	VP-108D_60_20160202	10337934016	04530.D	23:14
18	VP-108D_70_20160202	10337934017	04531.D	23:45

QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

QC Batch:	AIR/25219	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10337934001, 10337934002, 10337934003, 10337934004, 10337934005, 10337934006, 10337934007, 10337934008, 10337934009, 10337934010, 10337934011, 10337934012, 10337934013, 10337934014, 10337934015, 10337934016, 10337934017		

METHOD BLANK: 2191686

Matrix: Air

Associated Lab Samples: 10337934001, 10337934002, 10337934003, 10337934004, 10337934005, 10337934006, 10337934007, 10337934008, 10337934009, 10337934010, 10337934011, 10337934012, 10337934013, 10337934014, 10337934015, 10337934016, 10337934017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	02/14/16 11:40	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	02/14/16 11:40	
1,1,2-Trichloroethane	ug/m3	ND	0.55	02/14/16 11:40	
1,1-Dichloroethane	ug/m3	ND	0.82	02/14/16 11:40	
1,1-Dichloroethene	ug/m3	ND	0.81	02/14/16 11:40	
1,1-Difluoroethane	ug/m3	ND	1.4	02/14/16 11:40	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	02/14/16 11:40	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	02/14/16 11:40	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	02/14/16 11:40	CL,L2,SS
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	02/14/16 11:40	
1,2-Dichlorobenzene	ug/m3	ND	3.1	02/14/16 11:40	
1,2-Dichloroethane	ug/m3	ND	0.41	02/14/16 11:40	
1,2-Dichloropropane	ug/m3	ND	0.94	02/14/16 11:40	
1,3,5-Trimethylbenzene	ug/m3	ND	5.0	02/14/16 11:40	
1,3-Butadiene	ug/m3	ND	0.45	02/14/16 11:40	
1,3-Dichlorobenzene	ug/m3	ND	1.2	02/14/16 11:40	
1,4-Dichlorobenzene	ug/m3	ND	6.1	02/14/16 11:40	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	02/14/16 11:40	
2-Butanone (MEK)	ug/m3	ND	3.0	02/14/16 11:40	
2-Hexanone	ug/m3	ND	10.4	02/14/16 11:40	
2-Propanol	ug/m3	ND	2.5	02/14/16 11:40	
4-Ethyltoluene	ug/m3	ND	5.0	02/14/16 11:40	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	02/14/16 11:40	
Acetone	ug/m3	ND	2.4	02/14/16 11:40	
Allyl chloride	ug/m3	ND	4.0	02/14/16 11:40	
Benzene	ug/m3	ND	0.65	02/14/16 11:40	
Bromodichloromethane	ug/m3	ND	1.4	02/14/16 11:40	
Bromoform	ug/m3	ND	5.3	02/14/16 11:40	
Bromomethane	ug/m3	ND	0.79	02/14/16 11:40	
Carbon disulfide	ug/m3	ND	1.6	02/14/16 11:40	
Carbon tetrachloride	ug/m3	ND	1.3	02/14/16 11:40	
Chlorobenzene	ug/m3	ND	0.94	02/14/16 11:40	
Chlorodifluoromethane	ug/m3	ND	0.72	02/14/16 11:40	
Chloroethane	ug/m3	ND	0.54	02/14/16 11:40	
Chloroform	ug/m3	ND	0.99	02/14/16 11:40	
Chloromethane	ug/m3	ND	0.42	02/14/16 11:40	
Chloropentafluoroethane	ug/m3	ND	3.2	02/14/16 11:40	IC,L2,SS
cis-1,2-Dichloroethene	ug/m3	ND	0.81	02/14/16 11:40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

PACE Project No.: 10337934

METHOD BLANK: 2191686

Matrix: Air

Associated Lab Samples: 10337934001, 10337934002, 10337934003, 10337934004, 10337934005, 10337934006, 10337934007, 10337934008, 10337934009, 10337934010, 10337934011, 10337934012, 10337934013, 10337934014, 10337934015, 10337934016, 10337934017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/m3	ND	2.3	02/14/16 11:40	
Cyclohexane	ug/m3	ND	0.70	02/14/16 11:40	
Dibromochloromethane	ug/m3	ND	8.7	02/14/16 11:40	
Dichlorodifluoromethane	ug/m3	ND	1.0	02/14/16 11:40	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	02/14/16 11:40	
Ethylbenzene	ug/m3	ND	0.88	02/14/16 11:40	
Freon 123	ug/m3	ND	3.2	02/14/16 11:40	CL
Hexachloro-1,3-butadiene	ug/m3	ND	10.8	02/14/16 11:40	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	02/14/16 11:40	
m&p-Xylene	ug/m3	ND	1.8	02/14/16 11:40	
Methyl acetate	ug/m3	ND	1.5	02/14/16 11:40	CL
Methyl-tert-butyl ether	ug/m3	ND	3.7	02/14/16 11:40	
Methylcyclohexane	ug/m3	ND	2.0	02/14/16 11:40	
Methylene Chloride	ug/m3	ND	3.5	02/14/16 11:40	
n-Hexane	ug/m3	ND	0.72	02/14/16 11:40	
o-Xylene	ug/m3	ND	0.88	02/14/16 11:40	
Styrene	ug/m3	ND	0.87	02/14/16 11:40	
Tetrachloroethene	ug/m3	ND	0.69	02/14/16 11:40	
Toluene	ug/m3	ND	0.77	02/14/16 11:40	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	02/14/16 11:40	
trans-1,3-Dichloropropene	ug/m3	ND	2.3	02/14/16 11:40	
Trichloroethene	ug/m3	ND	0.55	02/14/16 11:40	
Trichlorofluoromethane	ug/m3	ND	1.1	02/14/16 11:40	
Vinyl chloride	ug/m3	ND	0.26	02/14/16 11:40	

LABORATORY CONTROL SAMPLE: 2191687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	58.0	105	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	78.7	113	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	58.0	105	57-149	
1,1-Dichloroethane	ug/m3	41.2	42.2	102	62-139	
1,1-Dichloroethene	ug/m3	40.3	41.6	103	62-135	
1,1-Difluoroethane	ug/m3	2.7	3.0	111	50-150	
1,2,4-Trichlorobenzene	ug/m3	75.5	87.7	116	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	60.7	121	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	9.8	ND	47	50-150	CL,L2,SS
1,2-Dibromoethane (EDB)	ug/m3	78.1	94.6	121	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	73.4	120	57-141	
1,2-Dichloroethane	ug/m3	41.2	42.7	104	61-144	
1,2-Dichloropropane	ug/m3	47	49.4	105	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	61.0	122	54-147	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

LABORATORY CONTROL SAMPLE: 2191687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Butadiene	ug/m3	22.5	23.5	104	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	72.2	118	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	74.5	122	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	40.3	110	58-144	
2-Butanone (MEK)	ug/m3	150	154	103	66-144	
2-Hexanone	ug/m3	208	256	123	63-147	
2-Propanol	ug/m3	125	140	112	54-146	
4-Ethyltoluene	ug/m3	50	59.7	119	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	208	239	115	58-150	
Acetone	ug/m3	121	131	108	46-140	
Allyl chloride	ug/m3	79.6	82.0	103	65-142	
Benzene	ug/m3	32.5	33.0	102	62-141	
Bromodichloromethane	ug/m3	68.2	69.8	102	58-149	
Bromoform	ug/m3	105	115	110	61-150	
Bromomethane	ug/m3	39.5	38.1	96	58-136	
Carbon disulfide	ug/m3	31.7	31.7	100	59-135	
Carbon tetrachloride	ug/m3	64	66.1	103	60-149	
Chlorobenzene	ug/m3	46.8	55.5	119	60-150	
Chlorodifluoromethane	ug/m3	36	35.7	99	70-130	
Chloroethane	ug/m3	26.8	27.3	102	61-136	
Chloroform	ug/m3	49.7	49.3	99	65-138	
Chloromethane	ug/m3	21	22.8	109	62-133	
Chloropentafluoroethane	ug/m3	6.4	10.7	166	50-150	CH,IC,L3,SS
cis-1,2-Dichloroethene	ug/m3	40.3	41.9	104	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	46.8	101	61-149	
Cyclohexane	ug/m3	35	38.0	109	64-134	
Dibromochloromethane	ug/m3	86.6	101	116	59-150	
Dichlorodifluoromethane	ug/m3	50.3	50.3	100	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	68.3	96	62-134	
Ethylbenzene	ug/m3	44.2	48.7	110	59-149	
Freon 123	ug/m3	6.4	3.2	51	50-150	CL
Hexachloro-1,3-butadiene	ug/m3	108	132	122	42-150	
Isopropylbenzene (Cumene)	ug/m3	50	55.4	111	65-150	
m&p-Xylene	ug/m3	88.3	98.3	111	59-146	
Methyl acetate	ug/m3	3.1	1.9	60	50-150	CL
Methyl-tert-butyl ether	ug/m3	183	189	103	64-135	
Methylcyclohexane	ug/m3	40.8	39.7	97	70-130	
Methylene Chloride	ug/m3	177	181	103	64-128	
n-Hexane	ug/m3	35.8	42.8	119	50-138	
o-Xylene	ug/m3	44.2	49.6	112	54-149	
Styrene	ug/m3	43.3	50.5	117	54-150	
Tetrachloroethene	ug/m3	69	76.3	111	60-142	
Toluene	ug/m3	38.3	40.7	106	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	42.0	104	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	45.6	99	59-145	
Trichloroethene	ug/m3	54.6	53.0	97	60-144	
Trichlorofluoromethane	ug/m3	57.1	56.0	98	59-134	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10337934

LABORATORY CONTROL SAMPLE: 2191687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/m3	26	28.3	109	63-135	

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REPORT OF LABORATORY ANALYSIS

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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 06201BFB.D

BFB Injection Date: 03/02/2016

Instrument ID: 10AIR0

BFB Injection Time: 09:38

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.01
75	30.00 - 66.00% of mass 95	45.12
96	5.00 - 9.00% of mass 95	6.16
173	Less than 2.00% of mass 174	0.75 (0.87)
174	50.00 - 120.00% of mass 95	86.74
175	4.00 - 9.00% of mass 174	6.47 (7.46)
176	93.00 - 101.00% of mass 174	84.63 (97.58)
177	5.00 - 9.00% of mass 176	5.32 (6.29)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	06203.D	03/02/2016	10:34
2	CAL2	CAL2	06204.D	03/02/2016	11:01
3	CAL3	CAL3	06205.D	03/02/2016	11:29
4	CAL4	CAL4	06206.D	03/02/2016	11:58
5	CAL5	CAL5	06211.D	03/02/2016	14:40
6	CAL6	CAL6	06212.D	03/02/2016	15:13
7	ICV (LCS)	ICV	06214.D	03/02/2016	16:14

Report Date : 15-Mar-2016 10:34

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-MAR-2016 10:34
End Cal Date : 02-MAR-2016 15:13
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air0.i\030216.b\T015cust_062-16.m
Last Edit : 15-Mar-2016 10:32 10air0.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air0.i\030216.b\06203.D
Level 02: all \\192.168.10.12\chem\10air0.i\030216.b\06204.D
Level 03: all \\192.168.10.12\chem\10air0.i\030216.b\06205.D
Level 04: all \\192.168.10.12\chem\10air0.i\030216.b\06206.D
Level 05: all \\192.168.10.12\chem\10air0.i\030216.b\06211.D
Level 06: all \\192.168.10.12\chem\10air0.i\030216.b\06212.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	2.0000	3.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
1 Chloropentafluoroethane	0.15785	0.12462	0.07982	0.04323	0.02369	0.01552 AVRG			0.07412		77.56189
2 1,1-Difluoroethane	0.31772	0.32428	0.31260	0.30595	0.27542	0.28071 AVRG			0.30278		6.65044
3 Freon 123	0.96691	0.95170	0.91642	0.88661	0.74845	0.78511 AVRG			0.87587		10.24675
4 Methyl Acetate	0.40857	0.40895	0.36799	0.35581	0.31775	0.33211 AVRG			0.36519		10.41781
10 1,2-Dibromo-3-chloropropane	++++	820	6232	25788	69287	103748 LINR		-0.00506	0.24205		0.99768
\$ 5 Hexane-d14 (S)	0.10230	0.09700	0.09605	0.09726	0.09638	0.09766 AVRG			0.09778		2.34379
\$ 7 Toluene-d8 (S)	0.77227	0.79347	0.79478	0.77964	0.78016	0.78826 AVRG			0.78476		1.12812
\$ 9 1,4-dichlorobenzene-d4 (S)	0.06585	0.13992	0.15310	0.16242	0.16490	0.17444 AVRG			0.14344		27.72420

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 06214BFB.D

BFB Injection Date: 03/02/2016

Instrument ID: 10AIR0

BFB Injection Time: 16:14

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.38
75	30.00 - 66.00% of mass 95	45.58
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.29 (0.33)
174	50.00 - 120.00% of mass 95	88.66
175	4.00 - 9.00% of mass 174	6.46 (7.29)
176	93.00 - 101.00% of mass 174	89.10 (100.50)
177	5.00 - 9.00% of mass 176	5.80 (6.51)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	06214C.D	03/02/2016	16:14
2	BLANK for HBN 401078 [AI	2191686	06217.D	03/02/2016	17:44
3	VP-3_30_20160202	10337934005	06226.D	03/02/2016	21:59
4	VP-3D_40_20160202	10337934006	06227.D	03/02/2016	22:31
5	VP-3_5_20160202	10337934001	06228.D	03/02/2016	23:04
6	VP-3_5_20160202 DUP	10337934002	06229.D	03/02/2016	23:37
7	VP-3_10_20160202	10337934003	06230.D	03/03/2016	00:10
8	VP-3_20_20160202	10337934004	06231.D	03/03/2016	00:44
9	VP-3D_51_20160202	10337934007	06232.D	03/03/2016	01:15
10	VP-3D_61_20160202	10337934008	06233.D	03/03/2016	01:47
11	VP-3D_73_20160202	10337934009	06234.D	03/03/2016	02:18
12	VP-108_5_20160202	10337934010	06235.D	03/03/2016	08:44
13	VP-108D_50.5_20160202D	10337934015	06236.D	03/03/2016	09:16
14	VP-108D_60_20160202	10337934016	06237.D	03/03/2016	09:49
15	VP-108_20_20160202	10337934012	06238.D	03/03/2016	10:20
16	VP-108D_50.5_20160202	10337934014	06239.D	03/03/2016	10:54
17	VP-108_10_20160202	10337934011	06240.D	03/03/2016	11:25
18	VP-108D_70_20160202	10337934017	06241.D	03/03/2016	11:57
19	VP-108_29.5_20160202	10337934013	06242.D	03/03/2016	12:25

Data File: \\192.168.10.12\chem\10air0.i\030216b.b\06214c.D
Report Date: 15-Mar-2016 10:40

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air0.i Injection Date: 02-MAR-2016 16:14
Lab File ID: 06214c.D Init. Cal. Date(s): 02-MAR-2016 02-MAR-2016
Analysis Type: AIR Init. Cal. Times: 10:34 15:13
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air0.i\030216b.b\TO15cust_062-16.m

COMPOUND	RRF / AMOUNT	RF1	CCAL RRF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chloropentafluoroethane	0.07412	0.12276	0.12276	0.010	65.62847	30.00000	Aver	<-
2 1,1-Difluoroethane	0.30278	0.33535	0.33535	0.010	10.75639	30.00000	Aver	(QM)
3 Freon 123	0.87587	0.44756	0.44756	0.010	-48.90047	30.00000	Aver	(M) <-
4 Methyl Acetate	0.36519	0.21973	0.21973	0.010	-39.83088	30.00000	Aver	<-
\$ 5 Hexane-d14 (S)	0.09778	0.09660	0.09660	0.010	-1.20645	30.00000	Aver	
\$ 7 Toluene-d8 (S)	0.78476	0.75083	0.75083	0.010	-4.32477	30.00000	Aver	
\$ 9 1,4-dichlorobenzene-d4 (S)	0.14344	0.11262	0.11262	0.010	-21.48333	30.00000	Aver	
10 1,2-Dibromo-3-chloropropane	1.00000	0.46540	0.06205	0.010	-53.46023	0.000e+000	Line	<-

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Average %D / Drift Results.	
Calculated Average %D/Drift =	30.69888
Maximum Average %D/Drift =	0.000e+000
* Failed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 04014BFB.D

BFB Injection Date: 02/09/2016

Instrument ID: 10AIRB

BFB Injection Time: 15:41

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.48
75	30.00 - 66.00% of mass 95	46.92
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.54 (0.74)
174	50.00 - 120.00% of mass 95	73.41
175	4.00 - 9.00% of mass 174	5.30 (7.21)
176	93.00 - 101.00% of mass 174	71.16 (96.94)
177	5.00 - 9.00% of mass 176	4.74 (6.66)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	04015.D	02/09/2016	16:10
2	CAL2	CAL2	04016.D	02/09/2016	16:38
3	CAL3	CAL3	04017.D	02/09/2016	17:06
4	CAL4	CAL4	04018.D	02/09/2016	17:35
5	CAL5	CAL5	04019.D	02/09/2016	18:03
6	CAL6	CAL6	04020.D	02/09/2016	18:32
7	CAL7	CAL7	04021.D	02/09/2016	19:02
8	ICV (LCS)	ICV	04023.D	02/09/2016	19:58
9	BLANK	BLANK	04026.D	02/09/2016	21:27

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-FEB-2016 16:10
End Cal Date : 09-FEB-2016 19:02
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\020916.b\TO15_040-16.m
Last Edit : 10-Feb-2016 14:26 10airB.i

Calibration File Names:
Level 01: all \\192.168.10.12\chem\10airB.i\020916.b\04015.D
Level 02: all \\192.168.10.12\chem\10airB.i\020916.b\04016.D
Level 03: all \\192.168.10.12\chem\10airB.i\020916.b\04017.D
Level 04: all \\192.168.10.12\chem\10airB.i\020916.b\04018.D
Level 05: all \\192.168.10.12\chem\10airB.i\020916.b\04019.D
Level 06: all \\192.168.10.12\chem\10airB.i\020916.b\04020.D
Level 07: all \\192.168.10.12\chem\10airB.i\020916.b\04021.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.92296	0.93353	0.81609	0.97421	0.79581	0.79819					
	0.92737						AVRG		0.88116		8.50352
2 Propylene	0.29762	0.25931	0.23568	0.27921	0.25524	0.24638					
	0.29576						AVRG		0.26703		9.06685
3 Dichlorodifluoromethane	1.50033	1.57338	1.37162	1.61012	1.43116	1.46903					
	1.71455						AVRG		1.52431		7.64988
4 Dichlorotetrafluoroethane	1.35494	1.39592	1.24808	1.44157	1.25447	1.18356					
	1.37361						AVRG		1.32174		7.09061

Report Date : 09-May-2016 10:40

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.52345 0.49795	0.55065	0.49625	0.58497	0.47465	0.49357	AVRG		0.51735	7.45665
6 Vinyl chloride	0.57171 ++++	0.48411	0.42856	0.49725	0.45533	0.42033	AVRG		0.47621	11.67413
7 1,3-Butadiene	0.28302 0.35584	0.31446	0.29557	0.32727	0.29442	0.31143	AVRG		0.31172	7.83555
8 Bromomethane	0.32533 0.39458	0.37835	0.31719	0.37602	0.33624	0.34594	AVRG		0.35338	8.39365
9 Chloroethane	0.16713 0.18509	0.16574	0.13957	0.16419	0.15309	0.16386	AVRG		0.16267	8.55145
10 Ethanol	1247 ++++	2326	5301	10913	155017	314610	LINR	-0.00597	0.09193	0.99986
11 Vinyl Bromide	0.30650 0.30017	0.34836	0.30277	0.35125	0.30314	0.29111	AVRG		0.31476	7.75934

Report Date : 09-May-2016 10:40

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
12 Isopentane	756 ++++	1466	3873	8233	84733	221461	QUAD	0.00315	0.16584	0.07741	0.99985
13 Acrolein	373 ++++	937	2381	5069	84643	179782	LINR	-0.00634	0.10486		0.99915
14 Trichlorofluoromethane	1.04630 1.04950	1.08646	0.94621	1.12724	0.95933	0.98440	AVRG		1.02849		6.56670
15 Acetone	9356 ++++	17739	42559	85619	636734	1325516	LINR	0.02343	0.37990		0.99902
16 Isopropyl Alcohol	0.39975 0.49260	0.40253	0.35571	0.41793	0.41124	0.43082	AVRG		0.41580		9.91272
17 Acrylonitrile	0.18638 0.23717	0.20701	0.19587	0.23787	0.21321	0.21518	AVRG		0.21324		9.07095
18 1,1-Dichloroethene	0.48323 0.56467	0.50910	0.45533	0.52357	0.48297	0.50511	AVRG		0.50343		6.94351

Report Date : 09-May-2016 10:40

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.68706 0.66413	0.72267	0.63909	0.75394	0.65450	0.62364	AVRG		0.67786	6.88190
20 Freon 113	0.64232 0.64652	0.76591	0.62144	0.71461	0.61020	0.62345	AVRG		0.66064	8.73803
21 Methylene chloride	0.34857 0.32616	0.33648	0.27734	0.33501	0.29546	0.29351	AVRG		0.31608	8.53529
22 Allyl Chloride	393 246914	846	2306	5035	94331	181252	LINR	-0.00730	0.11131	0.99890
23 Carbon Disulfide	2341 ++++	4426	10841	23443	267414	571459	LINR	-0.01083	0.82697	0.99898
24 trans-1,2-dichloroethene	0.40547 0.49938	0.44693	0.40655	0.45775	0.43805	0.44313	AVRG		0.44247	7.24825
25 Methyl Tert Butyl Ether	1.23184 1.09428	1.28367	1.16157	1.37804	1.17714	1.08291	AVRG		1.20135	8.76886

Report Date : 09-May-2016 10:40

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	930	2022	4988	11313	333796	676709				
	++++						LINR	-0.02992	0.99870	0.99942
27 1,1-Dichloroethane	0.90091	0.95587	0.83600	0.99129	0.91831	0.95574				
	1.12784						AVRG		0.95514	9.52160
29 Methyl Ethyl Ketone	0.22815	0.24488	0.20705	0.24484	0.21734	0.20576				
	0.21945						AVRG		0.22392	7.22942
30 n-Hexane	1.00220	0.96134	0.79823	0.92375	1.06508	0.92948				
	0.98579						AVRG		0.95227	8.73213
31 Di-isopropyl Ether	23175	47401	116734	233098	1728938	3049706				
	4158865						LINR	0.12186	0.92224	0.99790
32 Ethyl Acetate	0.73378	0.81497	0.76715	0.91440	0.88114	0.85794				
	0.95784						AVRG		0.84675	9.43982
33 cis-1,2-Dichloroethene	0.52911	0.50847	0.43575	0.52697	0.50855	0.54468				
	++++						AVRG		0.50892	7.54219

Report Date : 09-May-2016 10:40

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
34 Ethyl Tert-Butyl Ether	24173 5016379	50944	132003	270870	2315876	3945215	QUAD	0.11124	1.29364	-0.01140	0.99853
35 Chloroform	1.22147 1.07884	1.19394	1.05996	1.23534	1.07634	1.01405	AVRG		1.12570		7.88480
36 Tetrahydrofuran	1094 ++++	2487	6621	13968	160334	330493	LINR	-0.00445	0.48043		0.99976
37 1,1,1-Trichloroethane	1.14938 1.43161	1.16207	1.07583	1.28175	1.23690	1.27163	AVRG		1.22988		9.38803
38 1,2-Dichloroethane	0.92117 0.98765	0.93150	0.81543	0.97104	0.90975	0.89557	AVRG		0.91887		6.11506
39 Benzene	1.36656 1.56943	1.45856	1.26423	1.47928	1.39192	1.39639	AVRG		1.41806		6.79886
40 Carbon tetrachloride	2956 ++++	6168	15693	31313	450766	886977	LINR	-0.01298	1.30140		0.99986

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
41 Cyclohexane	0.59584 0.70929	0.70624	0.64456	0.81067	0.70820	0.65905	AVRG		0.69055		9.78884
42 Tert Amyl Methyl Ether	22911 4530817	43724	105033	212327	2050764	3502402	QUAD	0.07642	1.12870	-0.00758	0.99836
44 2,2,4-Trimethylpentane	2.26277 2.11250	2.45686	2.25697	2.67341	2.24729	2.02684	AVRG		2.29095		9.41699
45 Heptane	0.63278 0.77239	0.71140	0.63162	0.76794	0.70814	0.69221	AVRG		0.70235		8.06854
46 1,2-Dichloropropane	0.52345 0.65802	0.58971	0.50587	0.59561	0.57037	0.57412	AVRG		0.57388		8.70806
47 Trichloroethene	0.78413 0.90857	0.72608	0.67995	0.81038	0.72337	0.76766	AVRG		0.77145		9.64756
48 1,4-Dioxane	800 412403	1577	5037	10411	132801	275138	QUAD	0.00192	0.30482	0.05341	0.99927

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	3359	6800	17116	35417	434375	868519				
	++++						LINR	-0.00885	1.26818	0.99998
50 Methylcyclohexane	783	2173	5789	12415	142650	307654				
	++++						LINR	-0.00689	0.44510	0.99875
51 Methyl Isobutyl Ketone	14736	31733	80809	164931	1345355	2341624				
	3307850						LINR	0.04957	0.72936	0.99638
52 cis-1,3-Dichloropropene	2008	4531	12423	25121	314863	657862				
	++++						LINR	-0.01301	0.95627	0.99955
53 trans-1,3-Dichloropropene	1522	3381	8967	19984	307469	650551				
	++++						LINR	-0.02102	0.94815	0.99927
55 Toluene	1.56498	1.73334	1.50140	1.78967	1.79595	1.78513				
	1.98898						AVRG		1.73707	9.31745
56 1,1,2-Trichloroethane	0.58690	0.61501	0.55110	0.66153	0.63937	0.63861				
	0.71173						AVRG		0.62918	8.24271

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
57 Methyl Butyl Ketone	12708 3289032	27965	73008	149357	1331236	2314642	QUAD	0.05987	1.12743	-0.02578	0.99786
58 Dibromochloromethane	2157 1386088	4692	12917	25659	439121	923754	LINR	0.01029	1.62090		0.99766
59 1,2-Dibromoethane	1.28614 1.39032	1.40419	1.33025	1.41120	1.56215	1.45791	AVRG		1.40602		6.32541
60 Tetrachloroethene	1.37006 1.14465	1.27308	1.17353	1.31914	1.30406	1.21666	AVRG		1.25731		6.52115
62 Chlorobenzene	1.81522 1.96917	1.89568	1.86214	1.94243	2.08065	1.99686	AVRG		1.93745		4.58880
63 Ethyl Benzene	5604 2665436	11872	32979	71551	867452	1788327	QUAD	-0.03206	3.73584	-0.22665	0.99993
64 m&p-Xylene	9256 3610077	20272	55949	117950	1332727	2582893	QUAD	-0.04063	2.98949	-0.15366	0.99988

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	1010 959123	1932	5858	12387	363164	700913	QUAD	-0.04937	1.69181	-0.19320	0.99938
66 Styrene	2667 ++++	6596	18856	40248	496459	1044415	LINR	-0.00051	1.91937		0.99896
67 o-Xylene	4525 2125481	10574	27652	57684	694215	1437671	QUAD	-0.02512	3.01579	-0.19248	0.99996
68 1,1,2,2-Tetrachloroethane	2858 1311458	5949	14302	29765	425717	880359	QUAD	-0.02336	1.84228	-0.11194	0.99988
69 Isopropylbenzene	6723 2815891	14208	35167	74252	912052	1891451	QUAD	-0.03272	3.93590	-0.23550	0.99994
70 N-Propylbenzene	5469 3311246	12738	37959	83963	1106078	2241702	LINR	0.08893	3.87927		0.99581
71 4-Ethyltoluene	4343 2877412	10260	31670	71709	913510	1914007	LINR	0.04486	3.35383		0.99784

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	4273 2381302	9705	29167	61514	777430	1613035	LINR	0.05824	2.78763		0.99658
73 Tert-Butyl Benzene	4136 ++++	9077	27289	62206	816236	1639090	LINR	0.00830	3.03632		0.99685
74 1,2,4-Trimethylbenzene	3732 ++++	9868	28225	59806	765261	1504193	LINR	0.02124	2.79132		0.99557
75 1,3-Dichlorobenzene	3053 ++++	6648	17608	36541	494225	1000505	LINR	0.00485	1.85021		0.99729
76 Sec- Butylbenzene	5401 2824705	12443	36979	80667	1062278	2065930	QUAD	-0.06858	4.89155	-0.54658	0.99990
78 Benzyl Chloride	1836 1927980	3526	12066	28434	609424	1301082	QUAD	-0.07098	2.70839	-0.15902	0.99978
79 1,4-Dichlorobenzene	3497 1550627	7089	17873	36967	497757	1038918	LINR	0.02973	1.81034		0.99737

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 p-Isopropyltoluene	4328 ++++	9819	30155	65840	920188	1921065	LINR	-0.01436	3.54368		0.99859
81 1,2,3-Trimethylbenzene	3797 2336846	9500	25925	55965	758080	1586671	LINR	0.04772	2.74011		0.99660
82 1,2-Dichlorobenzene	2530 1508559	5557	15295	31462	466498	993668	LINR	0.00920	1.75576		0.99855
83 N-Butylbenzene	3713 2411369	8753	25849	59737	856849	1703762	QUAD	-0.06295	3.86550	-0.36293	0.99987
84 1,2,4-Trichlorobenzene	727 999301	1998	5415	12731	286955	641958	LINR	-0.02225	1.16039		0.99961
85 Naphthalene	1814 2315592	4483	12987	29825	674323	1480833	LINR	-0.04653	2.68591		0.99956
86 Hexachlorobutadiene	919 ++++	2612	7114	14800	272849	539000	LINR	-0.00412	1.00584		0.99543

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	30.0000										
	Level 7										
\$ 28 Hexane-d14(S)	0.13420 0.18001	0.13805	0.12231	0.13679	0.12732	0.14426	AVRG		0.14042		13.44799
\$ 54 Toluene-d8 (S)	0.98840 1.39383	1.00158	0.94709	1.01345	1.02413	1.16480	AVRG		1.07618		14.46153
\$ 77 1,4-dichlorobenzene-d4 (S)	0.51896 0.53617	0.52578	0.53444	0.57190	0.57876	0.55292	AVRG		0.54556		4.20729

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-FEB-2016 16:10
End Cal Date : 09-FEB-2016 19:02
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\020916.b\T015_040-16.m
Last Edit : 10-Feb-2016 14:26 10airB.i

Average %RSD Results.	
=====	
Calculated Average %RSD = 8.34249	
Maximun Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 04501BFB.D

BFB Injection Date: 02/14/2016

Instrument ID: 10AIRB

BFB Injection Time: 07:38

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	21.48
75	30.00 - 66.00% of mass 95	47.91
96	5.00 - 9.00% of mass 95	6.26
173	Less than 2.00% of mass 174	0.60 (0.82)
174	50.00 - 120.00% of mass 95	72.61
175	4.00 - 9.00% of mass 174	5.42 (7.46)
176	93.00 - 101.00% of mass 174	68.91 (94.91)
177	5.00 - 9.00% of mass 176	4.78 (6.94)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	04502.D	02/14/2016	08:06
2	LCS for HBN 401078 [AIR/	2191687	04502T.D	02/14/2016	08:06
3	BLANK for HBN 401078 [AI	2191686	04508T.D	02/14/2016	11:40
4	VP-3_5_20160202	10337934001	04513.D	02/14/2016	14:18
5	VP-3_5_20160202 DUP	10337934002	04515.D	02/14/2016	15:22
6	VP-3_10_20160202	10337934003	04516.D	02/14/2016	15:53
7	VP-3_20_20160202	10337934004	04517.D	02/14/2016	16:25
8	VP-3_30_20160202	10337934005	04518.D	02/14/2016	16:57
9	VP-3D_40_20160202	10337934006	04519.D	02/14/2016	17:28
10	VP-3D_51_20160202	10337934007	04520.D	02/14/2016	18:00
11	VP-3D_61_20160202	10337934008	04522.D	02/14/2016	18:59
12	VP-3D_73_20160202	10337934009	04523.D	02/14/2016	19:31
13	VP-108_5_20160202	10337934010	04524.D	02/14/2016	20:02
14	VP-108_10_20160202	10337934011	04525.D	02/14/2016	20:34
15	VP-108_29.5_20160202	10337934013	04526.D	02/14/2016	21:05
16	VP-108_20_20160202	10337934012	04527.D	02/14/2016	21:37
17	VP-108D_50.5_20160202	10337934014	04528.D	02/14/2016	22:10
18	VP-108D_50.5_20160202D	10337934015	04529.D	02/14/2016	22:42
19	VP-108D_60_20160202	10337934016	04530.D	02/14/2016	23:14
20	VP-108D_70_20160202	10337934017	04531.D	02/14/2016	23:45

Data File: \\192.168.10.12\chem\10airB.i\021416.b\04502.D
Report Date: 14-Feb-2016 08:25

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 14-FEB-2016 08:06
Lab File ID: 04502.D Init. Cal. Date(s): 09-FEB-2016 09-FEB-2016
Analysis Type: AIR Init. Cal. Times: 16:10 19:02
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\021416.b\TO15_040-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.88116	0.87607	0.87607	0.010	-0.57836	30.00000	Aver	
2 Propylene	0.26703	0.27907	0.27907	0.010	4.50911	30.00000	Aver	
3 Dichlorodifluoromethane	1.52431	1.52495	1.52495	0.010	0.04170	30.00000	Aver	
4 Dichlorotetrafluoroethane	1.32174	1.26973	1.26973	0.010	-3.93457	30.00000	Aver	
5 Chloromethane	0.51735	0.56212	0.56212	0.010	8.65297	30.00000	Aver	
6 Vinyl chloride	0.47621	0.51893	0.51893	0.010	8.97034	30.00000	Aver	
7 1,3-Butadiene	0.31172	0.32538	0.32538	0.010	4.38190	30.00000	Aver	
8 Bromomethane	0.35338	0.34098	0.34098	0.010	-3.50935	30.00000	Aver	
9 Chloroethane	0.16267	0.16530	0.16530	0.010	1.62113	30.00000	Aver	(M)
10 Ethanol	50.00000	56.14212	0.10203	0.005	12.28423	30.00000	Line	
11 Vinyl Bromide	0.31476	0.31021	0.31021	0.010	-1.44293	30.00000	Aver	
12 Isopentane	10.00000	13.30130	0.36069	0.010	33.01304	30.00000	Quad	(M) <-
13 Acrolein	25.00000	25.25325	0.10338	0.010	1.01302	30.00000	Line	
14 Trichlorofluoromethane	1.02849	1.00801	1.00801	0.010	-1.99128	30.00000	Aver	
15 Acetone	50.00000	54.18899	0.41642	0.010	8.37798	30.00000	Line	
16 Isopropyl Alcohol	0.41580	0.46694	0.46694	0.010	12.29936	30.00000	Aver	
17 Acrylonitrile	0.21324	0.23330	0.23330	0.010	9.40643	30.00000	Aver	
18 1,1-Dichloroethene	0.50343	0.51928	0.51928	0.010	3.14927	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.67786	0.71131	0.71131	0.010	4.93417	30.00000	Aver	
20 Freon 113	0.66064	0.64430	0.64430	0.010	-2.47198	30.00000	Aver	
21 Methylene chloride	0.31608	0.32454	0.32454	0.010	2.67648	30.00000	Aver	
22 Allyl Chloride	25.00000	25.76584	0.11180	0.010	3.06338	30.00000	Line	(M)
23 Carbon Disulfide	10.00000	10.02854	0.81850	0.010	0.28537	30.00000	Line	
24 trans-1,2-dichloroethene	0.44247	0.46162	0.46162	0.010	4.32920	30.00000	Aver	
25 Methyl Tert Butyl Ether	1.20135	1.24014	1.24014	0.010	3.22920	30.00000	Aver	(M)
26 Vinyl Acetate	10.00000	10.43767	1.01249	0.010	4.37669	30.00000	Line	(M)
27 1,1-Dichloroethane	0.95514	0.97925	0.97925	0.010	2.52394	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.14042	0.12467	0.12467	0.010	-11.21646	30.00000	Aver	
29 Methyl Ethyl Ketone	0.22392	0.23052	0.23052	0.010	2.94726	30.00000	Aver	
30 n-Hexane	0.95227	1.13754	1.13754	0.010	19.45593	30.00000	Aver	(M)
31 Di-isopropyl Ether	50.00000	59.14193	1.11524	0.010	18.28385	30.00000	Line	
32 Ethyl Acetate	0.84675	0.96509	0.96509	0.010	13.97685	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.50892	0.52949	0.52949	0.010	4.04199	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	50.00000	57.48735	1.43424	0.010	14.97471	30.00000	Quad	
35 Chloroform	1.12570	1.11863	1.11863	0.010	-0.62876	30.00000	Aver	
36 Tetrahydrofuran	10.00000	10.68712	0.50899	0.010	6.87116	30.00000	Line	(M)
37 1,1,1-Trichloroethane	1.22988	1.28680	1.28680	0.010	4.62833	30.00000	Aver	
38 1,2-Dichloroethane	0.91887	0.95445	0.95445	0.010	3.87186	30.00000	Aver	
39 Benzene	1.41806	1.44222	1.44222	0.010	1.70411	30.00000	Aver	
40 Carbon tetrachloride	10.00000	10.33913	1.33255	0.010	3.39130	30.00000	Line	
41 Cyclohexane	0.69055	0.75010	0.75010	0.010	8.62326	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	50.00000	56.14392	1.23488	0.010	12.28784	30.00000	Quad	

Data File: \\192.168.10.12\chem\10airB.i\021416.b\04502.D
Report Date: 14-Feb-2016 08:25

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airB.i\021416.b\04502.D
 Report Date: 14-Feb-2016 08:25

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 14-FEB-2016 08:06
 Lab File ID: 04502.D Init. Cal. Date(s): 09-FEB-2016 09-FEB-2016
 Analysis Type: AIR Init. Cal. Times: 16:10 19:02
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10airB.i\021416.b\TO15_040-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	2.29095	2.38316	2.38316	0.010	4.02517	30.00000	Aver	
45 Heptane	0.70235	0.77127	0.77127	0.010	9.81242	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.57388	0.60412	0.60412	0.010	5.26957	30.00000	Aver	(M)
47 Trichloroethene	0.77145	0.74870	0.74870	0.010	-2.94807	30.00000	Aver	
48 1,4-Dioxane	10.00000	11.01452	0.40247	0.010	10.14520	30.00000	Quad	(M)
49 Bromodichloromethane	10.00000	10.24727	1.29069	0.010	2.47273	30.00000	Line	
50 Methylcyclohexane	10.00000	9.72546	0.42600	0.010	-2.74535	30.00000	Line	
51 Methyl Isobutyl Ketone	50.00000	57.39832	0.84720	0.010	14.79663	30.00000	Line	
52 cis-1,3-Dichloropropene	10.00000	10.13383	0.95606	0.010	1.33830	30.00000	Line	
53 trans-1,3-Dichloropropene	10.00000	9.88744	0.91646	0.010	-1.12558	30.00000	Line	(M)
54 Toluene-d8 (S)	1.07618	0.99736	0.99736	0.010	-7.32438	30.00000	Aver	
55 Toluene	1.73707	1.84386	1.84386	0.010	6.14801	30.00000	Aver	
56 1,1,2-Trichloroethane	0.62918	0.65843	0.65843	0.010	4.64952	30.00000	Aver	
57 Methyl Butyl Ketone	50.00000	61.37443	1.20168	0.010	22.74885	30.00000	Quad	
58 Dibromochloromethane	10.00000	11.62531	1.89464	0.010	16.25309	30.00000	Line	
59 1,2-Dibromoethane	1.40602	1.70353	1.70353	0.010	21.15948	30.00000	Aver	
60 Tetrachloroethene	1.25731	1.39053	1.39053	0.010	10.59573	30.00000	Aver	
62 Chlorobenzene	1.93745	2.29841	2.29841	0.010	18.63054	30.00000	Aver	
63 Ethyl Benzene	10.00000	11.04110	3.81642	0.010	10.41102	30.00000	Quad	
64 m&p-Xylene	20.00000	22.26248	2.92656	0.010	11.31239	30.00000	Quad	
65 Bromoform	10.00000	10.98524	1.57598	0.010	9.85239	30.00000	Quad	
66 Styrene	10.00000	11.66848	2.23909	0.010	16.68483	30.00000	Line	
67 o-Xylene	10.00000	11.23283	3.11961	0.010	12.32829	30.00000	Quad	
68 1,1,2,2-Tetrachloroethane	10.00000	11.28251	1.91270	0.010	12.82508	30.00000	Quad	
69 Isopropylbenzene	10.00000	11.08872	4.04212	0.010	10.88716	30.00000	Quad	
70 N-Propylbenzene	10.00000	12.44687	4.91741	0.010	24.46875	30.00000	Line	(M)
71 4-Ethyltoluene	10.00000	11.95364	4.05390	0.010	19.53644	30.00000	Line	
72 1,3,5-Trimethylbenzene	10.00000	12.19823	3.45866	0.010	21.98231	30.00000	Line	
73 Tert-Butyl Benzene	10.00000	11.85913	3.60911	0.010	18.59130	30.00000	Line	
74 1,2,4-Trimethylbenzene	10.00000	12.14785	3.41209	0.010	21.47851	30.00000	Line	
75 1,3-Dichlorobenzene	10.00000	11.82115	2.19201	0.010	18.21154	30.00000	Line	
76 Sec- Butylbenzene	10.00000	11.28038	4.75377	0.010	12.80375	30.00000	Quad	
77 1,4-dichlorobenzene-d4 (S)	0.54556	0.59132	0.59132	0.010	8.38700	30.00000	Aver	
78 Benzyl Chloride	10.00000	11.87403	2.92078	0.010	18.74034	30.00000	Quad	
79 1,4-Dichlorobenzene	10.00000	12.18256	2.23519	0.010	21.82561	30.00000	Line	(M)
80 p-Isopropyltoluene	10.00000	11.74436	4.14747	0.010	17.44364	30.00000	Line	
81 1,2,3-Trimethylbenzene	10.00000	12.39085	3.44295	0.010	23.90851	30.00000	Line	
82 1,2-Dichlorobenzene	10.00000	12.01750	2.11918	0.010	20.17504	30.00000	Line	
83 N-Butylbenzene	10.00000	11.56358	3.92166	0.010	15.63577	30.00000	Quad	
84 1,2,4-Trichlorobenzene	10.00000	11.61999	1.32613	0.010	16.19988	30.00000	Line	
85 Naphthalene	10.00000	11.68055	3.09077	0.010	16.80545	30.00000	Line	
86 Hexachlorobutadiene	10.00000	12.17338	1.22032	0.010	21.73383	30.00000	Line	

Data File: \\192.168.10.12\chem\10airB.i\021416.b\04502.D
Report Date: 14-Feb-2016 08:25

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 9.98082
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 05501BFB.D

BFB Injection Date: 02/24/2016

Instrument ID: 10AIRB

BFB Injection Time: 07:04

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.90
75	30.00 - 66.00% of mass 95	46.67
96	5.00 - 9.00% of mass 95	6.54
173	Less than 2.00% of mass 174	0.57 (0.71)
174	50.00 - 120.00% of mass 95	80.22
175	4.00 - 9.00% of mass 174	5.77 (7.20)
176	93.00 - 101.00% of mass 174	79.08 (98.57)
177	5.00 - 9.00% of mass 176	5.13 (6.49)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	05506.D	02/24/2016	10:05
2	CAL2	CAL2	05507.D	02/24/2016	10:33
3	CAL3	CAL3	05508.D	02/24/2016	11:02
4	CAL4	CAL4	05509.D	02/24/2016	11:31
5	CAL5	CAL5	05510.D	02/24/2016	12:00
6	CAL6	CAL6	05511.D	02/24/2016	12:32
7	CAL7	CAL7	05512.D	02/24/2016	13:05
8	ICV (LCS)	ICV	05514.D	02/24/2016	14:02
9	BLANK (BLK)	BLANK	05517.D	02/24/2016	15:32

cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene only

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
End Cal Date : 24-FEB-2016 13:05
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10airB.i\022416.b\05506.D
Level 02: all \\192.168.10.12\chem\10airB.i\022416.b\05507.D
Level 03: all \\192.168.10.12\chem\10airB.i\022416.b\05508.D
Level 04: all \\192.168.10.12\chem\10airB.i\022416.b\05509.D
Level 05: all \\192.168.10.12\chem\10airB.i\022416.b\05510.D
Level 06: all \\192.168.10.12\chem\10airB.i\022416.b\05511.D
Level 07: all \\192.168.10.12\chem\10airB.i\022416.b\05512.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.47549	0.50397	0.45541	0.45776	0.44666	0.46247					
	0.49805						AVRG		0.47140		4.68087
2 Propylene	0.11499	0.13323	0.13196	0.13366	0.13986	0.14646					
	0.15755						AVRG		0.13682		9.69075
3 Dichlorodifluoromethane	0.94491	0.89432	0.83953	0.82594	0.82235	0.87069					
	0.92704						AVRG		0.87497		5.60379
4 Dichlorotetrafluoroethane	0.83818	0.82485	0.73477	0.73558	0.72583	0.72776					
	0.76461						AVRG		0.76451		6.23558

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
End Cal Date : 24-FEB-2016 13:05
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.28614	0.33786	0.28822	0.29320	0.27180	0.26048				
	0.27391						AVRG		0.28737	8.67763
6 Vinyl chloride	0.24162	0.26416	0.23672	0.24594	0.26023	0.27278				
	0.30635						AVRG		0.26112	9.11352
7 1,3-Butadiene	0.16659	0.18678	0.16715	0.16421	0.17217	0.18317				
	0.19783						AVRG		0.17684	7.15184
8 Bromomethane	0.20335	0.23259	0.21298	0.19619	0.20482	0.21004				
	0.23057						AVRG		0.21293	6.48490
9 Chloroethane	0.08414	0.09242	0.09691	0.09104	0.09319	0.09771				
	0.10739						AVRG		0.09469	7.56084
10 Ethanol	0.05015	0.05375	0.04799	0.04468	0.05223	0.05306				
	0.05511						AVRG		0.05099	7.15625
11 Vinyl Bromide	0.19573	0.21225	0.19027	0.18371	0.18621	0.17524				
	0.17416						AVRG		0.18822	6.95558

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
End Cal Date : 24-FEB-2016 13:05
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
12 Isopentane	0.15293	0.17174	0.14254	0.13518	0.14330	0.15928				
	++++						AVRG		0.15083	8.81305
13 Acrolein	753	1646	3670	7301	84405	167731				
	242525						LINR	-0.00412	0.06755	0.99873
14 Trichlorofluoromethane	0.62825	0.64696	0.60018	0.57591	0.57688	0.57550				
	0.58914						AVRG		0.59897	4.73630
15 Acetone	8552	15915	34097	64176	595592	1176051				
	1682614						LINR	-0.01353	0.23399	0.99906
16 Isopropyl Alcohol	0.26179	0.25646	0.22403	0.22280	0.23958	0.24636				
	0.25734						AVRG		0.24405	6.52811
17 Acrylonitrile	0.12174	0.13676	0.12471	0.12831	0.12943	0.12916				
	0.13137						AVRG		0.12878	3.71408
18 1,1-Dichloroethene	0.28850	0.32493	0.27716	0.27792	0.28726	0.29561				
	0.31817						AVRG		0.29565	6.39161

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
End Cal Date : 24-FEB-2016 13:05
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.45212 0.35806	0.45778	0.39684	0.39876	0.38865	0.36681	AVRG		0.40272	9.61990
20 Freon 113	0.40248 0.36764	0.42518	0.37033	0.37996	0.36384	0.35879	AVRG		0.38117	6.33083
21 Methylene chloride	0.19839 0.17591	0.20955	0.17818	0.17987	0.17310	0.17236	AVRG		0.18391	7.78782
22 Allyl Chloride	0.06839 0.06770	0.07482	0.06271	0.06553	0.07174	0.06910	AVRG		0.06857	5.76352
23 Carbon Disulfide	3012 784505	5264	11096	23446	260208	518406	LINR	-0.01788	0.53992	0.99628
24 trans-1,2-dichloroethene	0.24820 0.27754	0.27155	0.24698	0.25045	0.25987	0.26439	AVRG		0.25985	4.60776
25 Methyl Tert Butyl Ether	22808 4242393	45077	104255	203624	1854660	3232712	LINR	0.09154	0.60300	0.99803

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
End Cal Date : 24-FEB-2016 13:05
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
26 Vinyl Acetate	3112 992649	5330	13548	28108	358342	693463	LINR	-0.01528	0.69405		0.99934
27 1,1-Dichloroethane	0.56738 0.60960	0.56544	0.53261	0.51589	0.53247	0.56434	AVRG		0.55539		5.63085
29 Methyl Ethyl Ketone	0.13293 0.12136	0.13745	0.13018	0.12196	0.12813	0.12422	AVRG		0.12803		4.65553
30 n-Hexane	3029 754006	5875	13415	25519	334907	575624	LINR	0.00999	0.53944		0.99725
31 Di-isopropyl Ether	26148 3637883	51271	115259	222002	1591604	2657675	LINR	0.10980	0.50821		0.99827
32 Ethyl Acetate	0.55120 0.52232	0.54829	0.48135	0.50073	0.52211	0.51498	AVRG		0.52014		4.75710
33 cis-1,2-Dichloroethene	1609 508696	3187	7394	14852	162664	335838	LINR	-0.01336	0.34999		0.99556

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
End Cal Date : 24-FEB-2016 13:05
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
34 Ethyl Tert-Butyl Ether	27411 4446934	55081	129377	257617	2123275	3464946	QUAD	0.04101	0.80196	-0.01214	0.99940
35 Chloroform	0.69587 0.60228	0.68881	0.64829	0.62583	0.62307	0.60247	AVRG		0.64095		6.00399
36 Tetrahydrofuran	1137 427714	2635	6117	12792	143813	289137	LINR	-0.00920	0.29617		0.99753
37 1,1,1-Trichloroethane	0.71627 0.79344	0.71361	0.65260	0.65873	0.72820	0.75744	AVRG		0.71719		7.00841
38 1,2-Dichloroethane	0.51764 0.53775	0.54363	0.49711	0.49228	0.52296	0.52517	AVRG		0.51951		3.69039
39 Benzene	0.78675 0.84895	0.81782	0.73922	0.73601	0.79995	0.82288	AVRG		0.79308		5.36604
40 Carbon tetrachloride	0.65304 0.76895	0.69646	0.65522	0.64713	0.74734	0.76148	AVRG		0.70423		7.70565

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
End Cal Date : 24-FEB-2016 13:05
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
41 Cyclohexane	0.32256 0.37639	0.36081	0.36648	0.39487	0.39884	0.37261	AVRG		0.37036		6.83473
42 Tert Amyl Methyl Ether	28098 3991441	48918	102917	199568	1826679	3073455	LINR	0.11786	0.56847		0.99644
44 2,2,4-Trimethylpentane	1.25509 1.14797	1.35090	1.30133	1.32805	1.27102	1.17610	AVRG		1.26149		5.99549
45 Heptane	0.33672 0.41015	0.36890	0.36707	0.38633	0.40381	0.39668	AVRG		0.38138		6.72278
46 1,2-Dichloropropane	0.30991 0.35283	0.33425	0.28815	0.28656	0.32583	0.33614	AVRG		0.31910		7.89070
47 Trichloroethene	2330 699849	4313	9830	19426	224207	460646	LINR	-0.01887	0.48138		0.99547
48 1,4-Dioxane	709 339676	1856	4262	8916	114977	231640	LINR	-0.00792	0.23612		0.99800

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
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Target Version : 4.14
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Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	3572 1124016	7674	16993	33474	396848	784150	LINR	-0.01749	0.78456	0.99910
50 Methylcyclohexane	710 ++++	1614	4661	10232	127080	269611	LINR	-0.00641	0.25886	0.99776
51 Methyl Isobutyl Ketone	15286 2872898	31660	74722	148709	1214821	2064017	LINR	0.05183	0.40130	0.99884
52 cis-1,3-Dichloropropene	2047 894237	4623	11407	22684	287055	593727	LINR	-0.02575	0.61726	0.99601
53 trans-1,3-Dichloropropene	1640 879823	3125	8416	17957	277349	586185	LINR	-0.03005	0.60921	0.99589
55 Toluene	0.98976 1.08275	1.00433	0.87472	0.88132	1.02598	1.05439	AVRG		0.98761	8.19578
56 1,1,2-Trichloroethane	0.33436 0.38813	0.33689	0.31746	0.31348	0.36994	0.37808	AVRG		0.34834	8.63663

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
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Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
57 Methyl Butyl Ketone	13574	27708	67432	134868	1205538	2055075					
	++++						QUAD	-0.00680	0.85483	-0.03181	1.00000
58 Dibromochloromethane	2857	5572	13536	27287	403186	829576					
	1234537						LINR	0.01723	1.03035		0.99647
59 1,2-Dibromoethane	0.80074	0.84786	0.80616	0.81790	0.99846	0.93165					
	0.86867						AVRG		0.86735		8.46334
60 Tetrachloroethene	0.72226	0.76839	0.71213	0.71878	0.82249	0.75992					
	0.71041						AVRG		0.74491		5.55024
62 Chlorobenzene	1.31015	1.26951	1.14413	1.11254	1.32797	1.25950					
	1.20890						AVRG		1.23324		6.62048
63 Ethyl Benzene	4612	9468	25517	56104	777212	1576094					
	++++						LINR	-0.00305	2.09299		0.99797
64 m&p-Xylene	8290	17718	45882	95738	1211676	2285564					
	3154306						QUAD	-0.04353	1.96349	-0.11249	0.99983

Report Date : 09-Mar-2016 10:59

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INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	1704	3277	8533	18722	342722	643609					
	++++						QUAD	-0.02658	1.16335	-0.15502	0.99935
66 Styrene	2095	5641	14830	32004	455172	931917					
	++++						LINR	-0.00440	1.23660		0.99835
67 o-Xylene	3968	9078	22800	47535	641697	1277939					
	++++						LINR	0.00477	1.69928		0.99714
68 1,1,2,2-Tetrachloroethane	2645	5749	13484	26771	402825	809995					
	++++						LINR	-0.00100	1.07713		0.99751
69 Isopropylbenzene	6526	12472	28888	57565	831101	1658057					
	++++						LINR	0.00390	2.20508		0.99717
70 N-Propylbenzene	3640	8508	24409	56919	1009216	1998124					
	++++						LINR	-0.01760	2.67472		0.99643
71 4-Ethyltoluene	2788	6618	20744	48084	834366	1691787					
	2513952						LINR	0.02522	2.10590		0.99572

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	2780	6631	19337	42683	716085	1434954					
	++++						LINR	-0.01183	1.91552		0.99717
73 Tert-Butyl Benzene	2535	5578	17297	39749	731565	1440967					
	++++						LINR	-0.01332	1.93137		0.99607
74 1,2,4-Trimethylbenzene	2601	5936	18958	41706	700673	1313928					
	++++						QUAD	-0.05222	2.38082	-0.31999	0.99950
75 1,3-Dichlorobenzene	2341	4707	11761	24858	446430	889153					
	++++						LINR	-0.00700	1.18819		0.99677
76 Sec- Butylbenzene	3492	7615	23023	53952	964115	1817739					
	++++						QUAD	-0.07669	3.26815	-0.42873	0.99943
78 Benzyl Chloride	2167	4067	10167	23318	585208	1207041					
	++++						LINR	-0.02909	1.61261		0.99798
79 1,4-Dichlorobenzene	2849	5408	12778	25795	456619	923344					
	++++						LINR	-0.00803	1.23038		0.99756

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INITIAL CALIBRATION DATA

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Target Version : 4.14
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Method file : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 p-Isopropyltoluene	3001	6266	18630	41237	839789	1693508					
	++++						LINR	-0.02626	2.26471		0.99725
81 1,2,3-Trimethylbenzene	2959	6175	17057	36802	702685	1401303					
	++++						LINR	-0.01549	1.87469		0.99676
82 1,2-Dichlorobenzene	1966	3866	9861	20216	425382	881609					
	1306810						LINR	0.00692	1.09641		0.99609
83 N-Butylbenzene	2512	4809	13888	33542	776650	1495897					
	++++						QUAD	-0.07207	2.60071	-0.30603	0.99915
84 1,2,4-Trichlorobenzene	555	944	2185	4661	221905	487446					
	741563						LINR	-0.01251	0.62045		0.99826
85 Naphthalene	1676	2212	5052	11276	528461	1155753					
	1812241						LINR	-0.03846	1.50368		0.99922
86 Hexachlorobutadiene	647	1119	2751	5590	218911	446443					
	++++						LINR	-0.01339	0.59931		0.99708

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Start Cal Date   : 24-FEB-2016 10:05
End Cal Date    : 24-FEB-2016 13:05
Quant Method    : ISTD
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\192.168.10.12\chem\10airB.i\022416.b\TO15_055-16.m
Last Edit      : 25-Feb-2016 11:33 mschmitz

```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients			RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2		
	30.0000											
	Level 7											
\$ 28 Hexane-d14(S)	0.42723 0.58298	0.42270	0.42604	0.42926	0.43630	0.50392	 AVRG		0.46120		13.17976	
\$ 54 Toluene-d8 (S)	0.84057 1.21706	0.83752	0.84966	0.84835	0.90668	1.04151	 AVRG		0.93448		15.44054	
\$ 77 1,4-dichlorobenzene-d4 (S)	0.52035 0.58624	0.53972	0.56536	0.58565	0.63097	0.61811	 AVRG		0.57806		6.87996	

Report Date : 09-Mar-2016 10:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-FEB-2016 10:05
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Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\022416.b\T015_055-16.m
Last Edit : 25-Feb-2016 11:33 mschmitz

Average %RSD Results.
=====
Calculated Average %RSD = 17.46888
Maximum Average %RSD = 0.000e+000
* Failed Average %RSD Test.

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 06001BFB.D

BFB Injection Date: 02/29/2016

Instrument ID: 10AIRB

BFB Injection Time: 07:42

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.21
75	30.00 - 66.00% of mass 95	43.99
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.52 (0.69)
174	50.00 - 120.00% of mass 95	75.22
175	4.00 - 9.00% of mass 174	5.48 (7.29)
176	93.00 - 101.00% of mass 174	71.84 (95.50)
177	5.00 - 9.00% of mass 176	4.86 (6.76)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	06002.D	02/29/2016	08:12
2	CERT	CERT	06010.D	02/29/2016	12:33
3	VP-3_10_20160202	10337934003	06031.D	02/29/2016	23:09
4	VP-3D_40_20160202	10337934006	06032.D	02/29/2016	23:37
5	VP-3D_51_20160202	10337934007	06033.D	03/01/2016	00:05
6	VP-108D_70_20160202	10337934017	06034.D	03/01/2016	00:34
7	VP-3D_61_20160202	10337934008	06035.D	03/01/2016	01:02
8	VP-3D_73_20160202	10337934009	06036.D	03/01/2016	01:30
9	VP-3_30_20160202	10337934005	06038.D	03/01/2016	02:26
10	VP-108D_50.5_20160202	10337934014	06039.D	03/01/2016	02:55
11	VP-108D_50.5_20160202D	10337934015	06040.D	03/01/2016	03:24
12	VP-108_29.5_20160202	10337934013	06041.D	03/01/2016	03:52

Data File: \\192.168.10.12\chem\10airB.i\022916.b\06002.D
Report Date: 29-Feb-2016 08:30

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 29-FEB-2016 08:12
Lab File ID: 06002.D Init. Cal. Date(s): 24-FEB-2016 24-FEB-2016
Analysis Type: AIR Init. Cal. Times: 10:05 13:05
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\022916.b\TO15_055-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.47140	0.44887	0.44887	0.010	-4.77908	30.00000	Aver	
2 Propylene	0.13682	0.14551	0.14551	0.010	6.35410	30.00000	Aver	
3 Dichlorodifluoromethane	0.87497	0.84529	0.84529	0.010	-3.39216	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.76451	0.73608	0.73608	0.010	-3.71907	30.00000	Aver	
5 Chloromethane	0.28737	0.27552	0.27552	0.010	-4.12477	30.00000	Aver	
6 Vinyl chloride	0.26112	0.26753	0.26753	0.010	2.45572	30.00000	Aver	
7 1,3-Butadiene	0.17684	0.17127	0.17127	0.010	-3.15190	30.00000	Aver	
8 Bromomethane	0.21293	0.20010	0.20010	0.010	-6.02615	30.00000	Aver	
9 Chloroethane	0.09469	0.09370	0.09370	0.010	-1.03820	30.00000	Aver	(M)
10 Ethanol	0.05099	0.05828	0.05828	0.005	14.28833	30.00000	Aver	
11 Vinyl Bromide	0.18822	0.18096	0.18096	0.010	-3.85664	30.00000	Aver	
12 Isopentane	0.15083	0.16369	0.16369	0.010	8.52922	30.00000	Aver	(M)
13 Acrolein	25.00000	25.11269	0.06620	0.010	0.45075	30.00000	Line	
14 Trichlorofluoromethane	0.59897	0.55276	0.55276	0.010	-7.71493	30.00000	Aver	
15 Acetone	50.00000	52.90344	0.24487	0.010	5.80688	30.00000	Line	
16 Isopropyl Alcohol	0.24405	0.26363	0.26363	0.010	8.02056	30.00000	Aver	
17 Acrylonitrile	0.12878	0.14243	0.14243	0.010	10.59534	30.00000	Aver	
18 1,1-Dichloroethene	0.29565	0.29832	0.29832	0.010	0.90390	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.40272	0.38564	0.38564	0.010	-4.23915	30.00000	Aver	
20 Freon 113	0.38117	0.37415	0.37415	0.010	-1.84356	30.00000	Aver	
21 Methylene chloride	0.18391	0.19088	0.19088	0.010	3.78871	30.00000	Aver	
22 Allyl Chloride	0.06857	0.07325	0.07325	0.010	6.81896	30.00000	Aver	
23 Carbon Disulfide	10.00000	9.22377	0.48012	0.010	-7.76234	30.00000	Line	
24 trans-1,2-dichloroethene	0.25985	0.28371	0.28371	0.010	9.17972	30.00000	Aver	
25 Methyl Tert Butyl Ether	50.00000	55.57694	0.68857	0.010	11.15389	30.00000	Line	
26 Vinyl Acetate	10.00000	9.14108	0.61916	0.010	-8.58924	30.00000	Line	(M)
27 1,1-Dichloroethane	0.55539	0.55442	0.55442	0.010	-0.17523	30.00000	Aver	
28 Hexane-d14(S)	0.46120	0.45536	0.45536	0.010	-1.26590	30.00000	Aver	
29 Methyl Ethyl Ketone	0.12803	0.13356	0.13356	0.010	4.31779	30.00000	Aver	
30 n-Hexane	10.00000	11.51127	0.63096	0.010	15.11273	30.00000	Line	(M)
31 Di-isopropyl Ether	50.00000	57.58113	0.60722	0.010	15.16226	30.00000	Line	
32 Ethyl Acetate	0.52014	0.50775	0.50775	0.010	-2.38198	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	10.00000	9.94950	0.33487	0.010	-0.50499	30.00000	Line	
34 Ethyl Tert-Butyl Ether	50.00000	52.89704	0.78867	0.010	5.79407	30.00000	Quad	
35 Chloroform	0.64095	0.61891	0.61891	0.010	-3.43754	30.00000	Aver	
36 Tetrahydrofuran	10.00000	9.08697	0.25993	0.010	-9.13033	30.00000	Line	(M)
37 1,1,1-Trichloroethane	0.71719	0.74133	0.74133	0.010	3.36711	30.00000	Aver	
38 1,2-Dichloroethane	0.51951	0.51752	0.51752	0.010	-0.38200	30.00000	Aver	
39 Benzene	0.79308	0.88178	0.88178	0.010	11.18316	30.00000	Aver	
40 Carbon tetrachloride	0.70423	0.75702	0.75702	0.010	7.49576	30.00000	Aver	
41 Cyclohexane	0.37036	0.42140	0.42140	0.010	13.77903	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	50.00000	57.43576	0.67658	0.010	14.87153	30.00000	Line	

Data File: \\192.168.10.12\chem\10airB.i\022916.b\06002.D
Report Date: 29-Feb-2016 08:30

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airB.i\022916.b\06002.D
 Report Date: 29-Feb-2016 08:30

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 29-FEB-2016 08:12
 Lab File ID: 06002.D Init. Cal. Date(s): 24-FEB-2016 24-FEB-2016
 Analysis Type: AIR Init. Cal. Times: 10:05 13:05
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10airB.i\022916.b\TO15_055-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	1.26149	1.31651	1.31651	0.010	4.36127	30.00000	Aver	
45 Heptane	0.38138	0.40273	0.40273	0.010	5.59939	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.31910	0.35024	0.35024	0.010	9.75911	30.00000	Aver	(M)
47 Trichloroethene	10.00000	10.12890	0.46871	0.010	1.28895	30.00000	Line	
48 1,4-Dioxane	10.00000	10.36285	0.23676	0.010	3.62848	30.00000	Line	(M)
49 Bromodichloromethane	10.00000	9.65004	0.73961	0.010	-3.49955	30.00000	Line	
50 Methylcyclohexane	10.00000	10.85892	0.27469	0.010	8.58915	30.00000	Line	
51 Methyl Isobutyl Ketone	50.00000	57.62607	0.47287	0.010	15.25215	30.00000	Line	
52 cis-1,3-Dichloropropene	10.00000	9.44952	0.55753	0.010	-5.50480	30.00000	Line	
53 trans-1,3-Dichloropropene	10.00000	9.36512	0.54048	0.010	-6.34884	30.00000	Line	(M)
54 Toluene-d8 (S)	0.93448	0.97263	0.97263	0.010	4.08284	30.00000	Aver	
55 Toluene	0.98761	1.13567	1.13567	0.010	14.99237	30.00000	Aver	
56 1,1,2-Trichloroethane	0.34834	0.40385	0.40385	0.010	15.93802	30.00000	Aver	
57 Methyl Butyl Ketone	50.00000	45.81728	0.64841	0.010	-8.36544	30.00000	Quad	
58 Dibromochloromethane	10.00000	10.82061	1.13213	0.010	8.20606	30.00000	Line	
59 1,2-Dibromoethane	0.86735	0.99086	0.99086	0.010	14.24052	30.00000	Aver	
60 Tetrachloroethene	0.74491	0.82106	0.82106	0.010	10.22304	30.00000	Aver	
62 Chlorobenzene	1.23324	1.37943	1.37943	0.010	11.85419	30.00000	Aver	
63 Ethyl Benzene	10.00000	10.58621	2.21263	0.010	5.86208	30.00000	Line	
64 m&p-Xylene	20.00000	19.11915	1.64966	0.010	-4.40425	30.00000	Quad	
65 Bromoform	10.00000	9.20422	0.91287	0.010	-7.95782	30.00000	Quad	
66 Styrene	10.00000	10.63958	1.31128	0.010	6.39583	30.00000	Line	
67 o-Xylene	10.00000	10.36727	1.76645	0.010	3.67270	30.00000	Line	
68 1,1,2,2-Tetrachloroethane	10.00000	10.45010	1.12461	0.010	4.50102	30.00000	Line	
69 Isopropylbenzene	10.00000	10.52657	2.32509	0.010	5.26566	30.00000	Line	
70 N-Propylbenzene	10.00000	10.58599	2.81386	0.010	5.85992	30.00000	Line	(M)
71 4-Ethyltoluene	10.00000	11.05160	2.35258	0.010	10.51604	30.00000	Line	
72 1,3,5-Trimethylbenzene	10.00000	10.46004	1.99181	0.010	4.60038	30.00000	Line	
73 Tert-Butyl Benzene	10.00000	10.75147	2.06318	0.010	7.51470	30.00000	Line	
74 1,2,4-Trimethylbenzene	10.00000	9.25471	1.87709	0.010	-7.45285	30.00000	Quad	
75 1,3-Dichlorobenzene	10.00000	10.44923	1.23456	0.010	4.49226	30.00000	Line	
76 Sec- Butylbenzene	10.00000	9.42302	2.62221	0.010	-5.76977	30.00000	Quad	
77 1,4-dichlorobenzene-d4 (S)	0.57806	0.56958	0.56958	0.010	-1.46583	30.00000	Aver	
78 Benzyl Chloride	10.00000	9.38121	1.48373	0.010	-6.18789	30.00000	Line	
79 1,4-Dichlorobenzene	10.00000	10.32119	1.26186	0.010	3.21194	30.00000	Line	
80 p-Isopropyltoluene	10.00000	10.42218	2.33406	0.010	4.22178	30.00000	Line	(M)
81 1,2,3-Trimethylbenzene	10.00000	10.27016	1.90985	0.010	2.70159	30.00000	Line	
82 1,2-Dichlorobenzene	10.00000	10.81893	1.19312	0.010	8.18935	30.00000	Line	
83 N-Butylbenzene	10.00000	9.27537	2.07690	0.010	-7.24634	30.00000	Quad	
84 1,2,4-Trichlorobenzene	10.00000	10.13282	0.61618	0.010	1.32822	30.00000	Line	
85 Naphthalene	10.00000	10.01788	1.46791	0.010	0.17880	30.00000	Line	
86 Hexachlorobutadiene	10.00000	9.44736	0.55280	0.010	-5.52638	30.00000	Line	

Data File: \\192.168.10.12\chem\10airB.i\022916.b\06002.D
Report Date: 29-Feb-2016 08:30

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	6.34765
Maximun Average %D/Drift	= 0.000e+000
* Failed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10337934

Lab File ID: 06101BFB.D

BFB Injection Date: 03/01/2016

Instrument ID: 10AIRB

BFB Injection Time: 08:11

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.29
75	30.00 - 66.00% of mass 95	49.26
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.45 (0.62)
174	50.00 - 120.00% of mass 95	71.53
175	4.00 - 9.00% of mass 174	5.41 (7.56)
176	93.00 - 101.00% of mass 174	70.73 (98.88)
177	5.00 - 9.00% of mass 176	4.78 (6.75)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	06102.D	03/01/2016	08:41
2	CERT	CERT	06104.D	03/01/2016	09:53
3	CERT	CERT	06110.D	03/01/2016	13:34
4	VP-108D_50.5_20160202D	10337934015	06113.D	03/01/2016	15:00
5	VP-108D_50.5_20160202	10337934014	06114.D	03/01/2016	15:28

Data File: \\192.168.10.12\chem\10airB.i\030116.b\06102.D
Report Date: 01-Mar-2016 09:01

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 01-MAR-2016 08:41
Lab File ID: 06102.D Init. Cal. Date(s): 24-FEB-2016 24-FEB-2016
Analysis Type: AIR Init. Cal. Times: 10:05 13:05
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\030116.b\TO15_055-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.47140	0.47785	0.47785	0.010	1.36826	30.00000	Aver	
2 Propylene	0.13682	0.14194	0.14194	0.010	3.74934	30.00000	Aver	
3 Dichlorodifluoromethane	0.87497	0.91303	0.91303	0.010	4.34955	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.76451	0.75198	0.75198	0.010	-1.63884	30.00000	Aver	
5 Chloromethane	0.28737	0.29862	0.29862	0.010	3.91215	30.00000	Aver	
6 Vinyl chloride	0.26112	0.24940	0.24940	0.010	-4.48840	30.00000	Aver	
7 1,3-Butadiene	0.17684	0.17982	0.17982	0.010	1.68580	30.00000	Aver	
8 Bromomethane	0.21293	0.22685	0.22685	0.010	6.53581	30.00000	Aver	
9 Chloroethane	0.09469	0.10586	0.10586	0.010	11.80352	30.00000	Aver	(M)
10 Ethanol	0.05099	0.06064	0.06064	0.005	18.91027	30.00000	Aver	
11 Vinyl Bromide	0.18822	0.20626	0.20626	0.010	9.58368	30.00000	Aver	
12 Isopentane	0.15083	0.17668	0.17668	0.010	17.13887	30.00000	Aver	(M)
13 Acrolein	25.00000	27.33618	0.07221	0.010	9.34470	30.00000	Line	
14 Trichlorofluoromethane	0.59897	0.64734	0.64734	0.010	8.07475	30.00000	Aver	
15 Acetone	50.00000	56.59806	0.26216	0.010	13.19612	30.00000	Line	
16 Isopropyl Alcohol	0.24405	0.27531	0.27531	0.010	12.80810	30.00000	Aver	
17 Acrylonitrile	0.12878	0.15253	0.15253	0.010	18.43850	30.00000	Aver	
18 1,1-Dichloroethene	0.29565	0.33125	0.33125	0.010	12.04075	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.40272	0.39983	0.39983	0.010	-0.71739	30.00000	Aver	
20 Freon 113	0.38117	0.42398	0.42398	0.010	11.22942	30.00000	Aver	
21 Methylene chloride	0.18391	0.20796	0.20796	0.010	13.07926	30.00000	Aver	
22 Allyl Chloride	0.06857	0.08302	0.08302	0.010	21.07584	30.00000	Aver	
23 Carbon Disulfide	10.00000	10.28027	0.53717	0.010	2.80267	30.00000	Line	
24 trans-1,2-dichloroethene	0.25985	0.27588	0.27588	0.010	6.16874	30.00000	Aver	
25 Methyl Tert Butyl Ether	50.00000	57.82391	0.71567	0.010	15.64783	30.00000	Line	
26 Vinyl Acetate	10.00000	9.26714	0.62791	0.010	-7.32865	30.00000	Line	(M)
27 1,1-Dichloroethane	0.55539	0.54853	0.54853	0.010	-1.23592	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.46120	0.41323	0.41323	0.010	-10.40178	30.00000	Aver	
29 Methyl Ethyl Ketone	0.12803	0.13535	0.13535	0.010	5.71401	30.00000	Aver	(M)
30 n-Hexane	10.00000	11.49438	0.63005	0.010	14.94379	30.00000	Line	(M)
31 Di-isopropyl Ether	50.00000	59.41051	0.62581	0.010	18.82102	30.00000	Line	
32 Ethyl Acetate	0.52014	0.51597	0.51597	0.010	-0.80169	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	10.00000	9.31894	0.31280	0.010	-6.81058	30.00000	Line	
34 Ethyl Tert-Butyl Ether	50.00000	55.85174	0.82826	0.010	11.70347	30.00000	Quad	
35 Chloroform	0.64095	0.67268	0.67268	0.010	4.95122	30.00000	Aver	
36 Tetrahydrofuran	10.00000	9.02993	0.25824	0.010	-9.70071	30.00000	Line	(M)
37 1,1,1-Trichloroethane	0.71719	0.78839	0.78839	0.010	9.92808	30.00000	Aver	
38 1,2-Dichloroethane	0.51951	0.57050	0.57050	0.010	9.81636	30.00000	Aver	
39 Benzene	0.79308	0.85209	0.85209	0.010	7.43970	30.00000	Aver	
40 Carbon tetrachloride	0.70423	0.81080	0.81080	0.010	15.13198	30.00000	Aver	
41 Cyclohexane	0.37036	0.41727	0.41727	0.010	12.66551	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	50.00000	58.27670	0.68614	0.010	16.55339	30.00000	Line	

Data File: \\192.168.10.12\chem\10airB.i\030116.b\06102.D
Report Date: 01-Mar-2016 09:01

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airB.i\030116.b\06102.D
Report Date: 01-Mar-2016 09:01

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 01-MAR-2016 08:41
Lab File ID: 06102.D Init. Cal. Date(s): 24-FEB-2016 24-FEB-2016
Analysis Type: AIR Init. Cal. Times: 10:05 13:05
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\030116.b\TO15_055-16.m


COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	1.26149	1.35701	1.35701	0.010	7.57193	30.00000	Aver	
45 Heptane	0.38138	0.40197	0.40197	0.010	5.39915	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.31910	0.34403	0.34403	0.010	7.81212	30.00000	Aver	(M)
47 Trichloroethene	10.00000	9.51630	0.43922	0.010	-4.83698	30.00000	Line	
48 1,4-Dioxane	10.00000	9.65030	0.21993	0.010	-3.49701	30.00000	Line	(M)
49 Bromodichloromethane	10.00000	10.19150	0.78209	0.010	1.91498	30.00000	Line	
50 Methylcyclohexane	10.00000	9.78772	0.24696	0.010	-2.12275	30.00000	Line	
51 Methyl Isobutyl Ketone	50.00000	58.65551	0.48113	0.010	17.31102	30.00000	Line	
52 cis-1,3-Dichloropropene	10.00000	9.11751	0.53704	0.010	-8.82494	30.00000	Line	
53 trans-1,3-Dichloropropene	10.00000	9.14388	0.52700	0.010	-8.56123	30.00000	Line	(M)
54 Toluene-d8 (S)	0.93448	0.86415	0.86415	0.010	-7.52586	30.00000	Aver	
55 Toluene	0.98761	1.10486	1.10486	0.010	11.87296	30.00000	Aver	
56 1,1,2-Trichloroethane	0.34834	0.39665	0.39665	0.010	13.86987	30.00000	Aver	
57 Methyl Butyl Ketone	50.00000	59.04437	0.78630	0.010	18.08873	30.00000	Quad	
58 Dibromochloromethane	10.00000	12.70695	1.32648	0.010	27.06951	30.00000	Line	
59 1,2-Dibromoethane	0.86735	1.12238	1.12238	0.010	29.40294	30.00000	Aver	
60 Tetrachloroethene	0.74491	0.92421	0.92421	0.010	24.06968	30.00000	Aver	
62 Chlorobenzene	1.23324	1.47925	1.47925	0.010	19.94821	30.00000	Aver	
63 Ethyl Benzene	10.00000	12.01779	2.51225	0.010	20.17789	30.00000	Line	
64 m&p-Xylene	20.00000	23.36992	1.96539	0.010	16.84958	30.00000	Quad	
65 Bromoform	10.00000	12.02095	1.14787	0.010	20.20951	30.00000	Quad	
66 Styrene	10.00000	11.84756	1.46066	0.010	18.47562	30.00000	Line	
67 o-Xylene	10.00000	12.00248	2.04432	0.010	20.02477	30.00000	Line	
68 1,1,2,2-Tetrachloroethane	10.00000	12.09139	1.30140	0.010	20.91389	30.00000	Line	
69 Isopropylbenzene	10.00000	12.28145	2.71205	0.010	22.81449	30.00000	Line	
70 N-Propylbenzene	10.00000	12.28942	3.26948	0.010	22.89421	30.00000	Line	(M)
71 4-Ethyltoluene	10.00000	12.78100	2.71678	0.010	27.80997	30.00000	Line	
72 1,3,5-Trimethylbenzene	10.00000	12.18299	2.32184	0.010	21.82994	30.00000	Line	
73 Tert-Butyl Benzene	10.00000	12.48906	2.39877	0.010	24.89055	30.00000	Line	
74 1,2,4-Trimethylbenzene	10.00000	11.67924	2.29192	0.010	16.79237	30.00000	Quad	
75 1,3-Dichlorobenzene	10.00000	12.35169	1.46061	0.010	23.51689	30.00000	Line	
76 Sec- Butylbenzene	10.00000	11.84120	3.19206	0.010	18.41204	30.00000	Quad	
77 1,4-dichlorobenzene-d4 (S)	0.57806	0.61319	0.61319	0.010	6.07760	30.00000	Aver	
78 Benzyl Chloride	10.00000	10.81229	1.71451	0.010	8.12294	30.00000	Line	
79 1,4-Dichlorobenzene	10.00000	11.98522	1.46660	0.010	19.85220	30.00000	Line	
80 p-Isopropyltoluene	10.00000	11.98941	2.68899	0.010	19.89412	30.00000	Line	
81 1,2,3-Trimethylbenzene	10.00000	12.05026	2.24356	0.010	20.50256	30.00000	Line	
82 1,2-Dichlorobenzene	10.00000	12.41912	1.36857	0.010	24.19121	30.00000	Line	
83 N-Butylbenzene	10.00000	11.48255	2.51071	0.010	14.82549	30.00000	Quad	
84 1,2,4-Trichlorobenzene	10.00000	11.38851	0.69409	0.010	13.88506	30.00000	Line	
85 Naphthalene	10.00000	11.11518	1.63291	0.010	11.15177	30.00000	Line	
86 Hexachlorobutadiene	10.00000	11.27065	0.66208	0.010	12.70648	30.00000	Line	

Data File: \\192.168.10.12\chem\10airB.i\030116.b\06102.D
Report Date: 01-Mar-2016 09:01

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 12.62211
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 1 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 1: Concentration of each component in the flask (Static Dilution Technique, section 10.4.1. S-MN-A-013 rev. 19).

$$\text{Concentration (mg/L)} = \frac{(V_i)(d)}{V_f}$$

where:

V_i = Volume of liquid neat standard injected into the flask in mL;

d = Density of the liquid neat standard in mg/mL;

V_f = Volume of the flask in liters.

Caution: In the preparation of standards by this technique, make sure that the volume of neat standard injected into the flask does not result in an overpressure due to the higher partial pressure produced by the standard compared to the vapor pressure in the flask.

Equation 2: First determine the volume of the compound as a gas.

$$V = \frac{nRT}{P} \quad \text{where,} \quad n = \frac{(V_i)(d)}{M}$$

where,

V = Volume of injected compound at STP in liters;

n = Moles;

R = Gas constant (0.08206 L-atm/mole °K);

T = Ambient temperature in °K;

P = Ambient pressure in atm;

V_i = Volume of liquid neat standard injected into the flask in mL;

d = Density of the neat standard in g/mL;

M = Molecular weight of the compound in g/mole.


Equation 3: Now calculate the concentration in the flask in ppbv.

$$\text{ppbv} = \frac{V}{V_f} (10^9)$$

where:

V = Gas volume of compound as determined in Eq. 8 in liters;

V_f = Volume of static dilution flask in liters.

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 2 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 4: The concentration in ppbv of each compound in the canister can be determined.

$$\text{ppbv} = \frac{(V_i)(C_x)}{V_c}$$

where:

V_i =Volume removed from static dilution flask and injected into the canister in liters;

C_x =Concentration of compound x in the static dilution flask in ppbv;

V_c =Final canister volume in liters.

Equation 5: Calculate the relative response factors (RRF) for each compound.

$$\text{Relative Response Factor (RRF)} = \frac{(A_x)(C_i)}{(A_i)(C_x)}$$

where,

A_x =Area of the primary ion for compound x to be measured;

A_i =Area of the primary ion for the internal standard associated with compound x;

C_i =Concentration of the internal standard in ppbv;

C_x =Concentration of compound x to be measured in ppbv.

Equation 6: Calculate the mean RRF for each compound.

$$\overline{R_f} = \frac{\sum_{n=5} R_f}{n}$$

where,


$\overline{R_f}$ =Average relative response factor;

R_f =Relative response factor from calibration curve;

n =Number of data points.

Equation 7: Standard Deviation.

$$\sigma_{(n-1)} = \sqrt{\sum_{i=1}^n \frac{(x_i - \bar{x})^2}{(n-1)}}$$

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 3 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 8: %Relative Standard Deviation (%RSD).

$$\%RSD = \frac{S_{(n-1)}}{R_f} \times 100$$

Equation 9: Mean area response for Internal Standard.

$$\bar{y} = \sum_{i=1}^n \frac{y_i}{n}$$

where,

\bar{y} = mean area response

y = Area response for the internal standard for each initial calibration standard

Equation 10: If a linear regression is used, the regression produces the slope and intercept terms for a linear equation.

$$y = ax + b$$

where:

y = instrument response (peak area or height)

a = Slope of the line (also called the coefficient of x)

x = Concentration of the calibration standard

b = the intercept, do not include the origin (0) as a calibration point

Equation 11: To calculate the sample concentration by the internal standard method using the linear regression.

$$C_s = [(A_s C_{is} / A_{is}) - b] / a$$

where:

A_s = Area of the peak for the target analyte in the sample


A_{is} = Area of the peak of the internal standard

C_s = Concentration of the target analyte in the calibration standard

C_{is} = Concentration of the internal standard

a = Slope of the line (also called the coefficient of C_s)

b = The intercept

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 4 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 12: To calculate the coefficient of determination (or r^2) for a quadratic curve fit.

$$COD = \frac{\sum_{i=1}^n (y_{obs} - \bar{y})^2 - \left(\frac{n-1}{n-p} \right) \sum_{i=1}^n (y_{obs} - Y_i)^2}{\sum_{i=1}^n (y_{obs} - \bar{y})^2}$$

where:

y_{obs} = Observed response for each concentration from each initial calibration standard

\bar{y} = Mean observed response from the initial calibration (See equation 6)

Y_i = Calculated response at each concentration from the initial calibration (See Equation 5)

n = Total number of calibration points in the equation, 6 points for quadratic

p = Number of adjustable parameters in the polynomial equation

Equation 13: Calculate the sample concentration by the internal standard method using the quadratic regression by comparing peak heights to the calibration curve.

Regression equation (quadratic):

$$y = ax^2 + bx + c$$

Equation 14: Percent Difference (%D). The % D in the RRF of the daily RRF of an individual compound compared to the mean RRF for that compound in the most recent calibration curve.

$$\%D = \frac{|R_i - R_c|}{R_i} (100)$$

where,

R_i = The average RRF from the initial calibration curve for compound x ;

R_c = RRF for compound x from the CCV standard.


Equation 15: Calculate the percent recovery of the LCS.

$$\text{Percent Recovery} = \frac{C_q}{C_a} (100)$$

where:

C_q = Quantitated concentration of compound x in ppbv;

C_a = Actual concentration of compound x in ppbv.

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 5 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 16: Calculate the resultant dilution factor.

$$DF = (Pf + 14.7) / (Pi + 14.7)$$

Pi = Pressure reading of canister prior to pressurization (psig)

Pf = Pressure reading of canister after pressurization (psig)

DF = Dilution factor

To convert Hg to psig:

Multiply by 0.491559 or divide by 2.036

PSIG reading is converted to One Atmosphere:

One Atmosphere = 14.7 psig = 29.21 inches of Hg

Equation 17: Calculate the concentration of the sample component.

$$C_x = \frac{(A_x)(C_i)(D_f)}{(A_i)(R_f)}$$

where:

C_x = Concentration of compound x in ppbv;

A_x = EICP area of the quantitation ion for compound x;

C_i = Concentration of the internal standard associated with compound x in ppbv;

D_f = Dilution factor from Equation 12 (if no dilution was performed, D_f equals 1.)

A_i = EICP area of the quantitation ion for the internal standard associated with compound x;

R_f = Average RRF for compound x from the most recent calibration curve.

Equation 18: The RPD between the sample and the sample duplicate.


$$RPD = \frac{|A - B|}{(A + B)/2} \times 100$$

Where:

RPD = Relative Percent Difference

A = Sample Value

B = Duplicate Value

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 6 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 19: Convert ppbv to $\mu\text{g}/\text{m}^3$.

$$\frac{(x \text{ ppbv} \times MW \frac{\text{g}}{\text{mol}})}{24.055 \frac{\text{L}}{\text{mol}}} = y \frac{\mu\text{g}}{\text{m}^3}$$

Where:

MW = Molecular Weight

24.055 L/mol = Molar Volume of an ideal Gas

$$PV = nRT$$

$$V = \frac{nRT}{P}$$

Where:

V = Volume in liters

N = mols of ideal Gas (1 mol)

R = Ideal gas constant

T = Temperature in Kelvin

$$V = \frac{(1 \text{ mol}) \times (0.082 \frac{\text{L} \times \text{atm}}{\text{mol} \times \text{K}}) \times 293.15 \text{ K}}{1 \text{ atm}}$$

$$V = 24.055 \frac{\text{L}}{\text{mol}}$$

Equation 20: Preparation of Working T015 Standard.

$$\frac{X}{Y} \times C = Z$$

Where:

X = Volume (L) spiked from stock

Y = Volume (L) of container

C = Concentration (ppbv) of Stock

Z = Concentration (ppbv) of working standard

DATA USABILITY SUMMARY REPORT
FEBRUARY 2016 AIR SAMPLES
PROJECT: LMC GREAT NECK
NEW YORK
DATE SAMPLES COLLECTED: FEBRUARY 9, 2016
LAB REPORT No. 10338324

1.0 INTRODUCTION

Nineteen air samples including one field duplicate sample pair were collected by Tetra Tech, Inc., at the Lockheed Martin Great Neck site on February 9, 2016. The samples were sent to Pace Analytical Services, Inc. in Minneapolis, Minnesota. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation was conducted using USEPA Region II Standard Operating Procedure (SOP) HW-31, June 2014, Revision 6.

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- * ● Data Completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- Initial/Continuing Calibrations
- Laboratory Method Blank Results
- Internal Standard Results
- Laboratory Control Sample Results
- * ● Field Duplicate Precision
- * ● Compound Identification/Quantitation
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 10338324

Sample ID	Lab ID	Date Collected	Test Requested
VP-105_10_20160209	10338324015	2/9/2016	VOCs
VP-105_20_20160209	10338324016	2/9/2016	VOCs
VP-105_5_20160209	10338324014	2/9/2016	VOCs
VP-105_50_20160209	10338324017	2/9/2016	VOCs
VP-105_60_20160209	10338324018	2/9/2016	VOCs
VP-105_72_20160209	10338324019	2/9/2016	VOCs
VP-9_10_20160209	10338324007	2/9/2016	VOCs
VP-9_10_20160209DUP	10338324008	2/9/2016	VOCs
VP-9_20_20160209	10338324009	2/9/2016	VOCs
VP-9_30_20160209	10338324010	2/9/2016	VOCs
VP-9_40_20160209	10338324011	2/9/2016	VOCs
VP-9_50_20160209	10338324012	2/9/2016	VOCs
VP-9_60_20160209	10338324013	2/9/2016	VOCs
VP-NYSDEC-5_10_20160209	10338324002	2/9/2016	VOCs
VP-NYSDEC-5_20_20160219	10338324003	2/9/2016	VOCs
VP-NYSDEC-5_30_20160209	10338324004	2/9/2016	VOCs
VP-NYSDEC-5_40_20160209	10338324005	2/9/2016	VOCs
VP-NYSDEC-5_5_20160209	10338324001	2/9/2016	VOCs
VP-NYSDEC-5_50_20160209	10338324006	2/9/2016	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

With regard to the data package deliverables, the format requirements were met, and no further action was required from the laboratory.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- All samples were analyzed outside the 30 day holding time. Detected and nondetected results reported for the target compounds in all samples were qualified as estimated, (J) and (UJ) respectively.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- The initial calibration performed on 3/08/2016 on instrument 10AIR0 had a Relative Percent Standard Deviation (%RSD) which exceeded the 30% quality control limit for pentafluoroethyl chloride (Freon 115/chloropentafluoroethane). All samples were affected. Only non-detected results were reported for this compound in the affected samples and these non-detects were qualified as estimated, (UJ).
- The continuing calibration performed on 3/12/2016 @ 08:33 on instrument 10AIR0 had a Percent Difference (%D) which exceeded the 30% quality control limit for pentafluoroethyl chloride. All samples were affected. The non-detected results were reported for this compound in the affected samples were qualified as estimated, (UJ).
- The continuing calibration performed on 3/11/2016 @ 08:54 on instrument 10AIRB had %Ds for dibromochloromethane and bromoform and a Percent Drift (%Drift) for 2-hexanone which exceeded the 30% quality control limit. All samples were affected. The non-detected results were reported for these compounds in the affected samples were qualified as estimated, (UJ).
- The continuing calibration performed on 3/31/2016 @ 09:42 on instrument 10AIR0 only reported results for 1,1,2-trichlorotrifluoroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, 1,1-dichloroethene, chloroform, and/or chlorodifluoromethane.
- All initial and continuing calibration Relative Response Factors (RRFs) were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set. However, as stated by the laboratory, detected results reported for the common laboratory contaminant, methylene chloride, should be considered with high bias because the organic solvent vapor extraction laboratory is in the same building. The detected methylene chloride results reported for the sample VP-9_60_20160209 in this DUSR was qualified as biased high, estimated, (J+).

Internal Standards Area Performance:

- The internal standard area counts for 1,4-difluorobenzene were below the 60% quality control limit for samples VP-9_40_20160209, VP-NYSDEC-5_30_20160209, and VP-9_10_20160209DUP analyzed on instrument 10AIR0 on 3/12/2016. The non-detected results reported for the associated target compounds, pentafluoroethyl chloride, 1,1-dichloro-2,2,2-trifluoroethane (Freon 123), 1,1-difluoroethane, and methyl acetate, were qualified as estimated, (UJ).
- The internal standard area counts for chlorobenzene-d5 were below the 60% quality control limit for samples VP-105_72_20160209, VP-9_40_20160209, VP-NYSDEC-5_30_20160209, VP-NYSDEC-5_40_20160209, and VP-NYSDEC-5_50_20160209 analyzed on instrument 10AIRB on 3/11-12/2016. In addition, the internal standard area counts for 1,4-difluorobenzene were low in sample VP-9_40_20160209. The detected and non-detected result reported for the target compounds reported from this analysis were qualified as estimated, (J) and (UJ), respectively.

Laboratory Control Spike (LCS) Results:

- The LCS had a Percent Recovery (%R) for bromoform exceeded the upper quality control limit. In addition, the %R for pentafluoroethyl chloride was below the lower quality control limit. All samples were affected. No action was taken for bromoform because bromoform was not detected in the affected samples. The non-detected results reported for pentafluoroethyl chloride in the affected samples were qualified as estimated, (UJ).
- The remaining LCS results were within the quality control limits, verifying the overall accuracy and precision associated with the parameters reviewed in a clean matrix.

Field Duplicate Precision: Field duplicates are collected to provide information on sampling precision.

- VP-9_10_20160209 was collected as a field duplicate sample of VP-9_10_20160209DUP. The results for acetone exceeded the 50% relative percent difference control (RPD) criterion. Detected results in the sample pair were qualified as estimated, (J).

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Detection Limits: Non-detected results were reported to the RL. All samples were initially analyzed at dilutions ranging from 1.34X to 2.37X, resulting in elevated reporting limits. Twelve samples were further diluted to report results for 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene, chlorodifluoromethane, chloroform, cis-1,2-dichloroethene, tetrachloroethene, and/or trichloroethene which exceeded the calibration range of the instrument in the initial analyses.

Additional Comments: All sample canisters contained an initial vacuum of approximately -28 to -30 psig and finished at -7 to -14 psig.

4.0 CONCLUSIONS

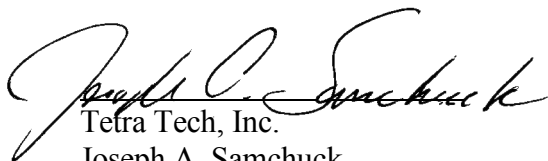
The detected results for methylene chloride should be considered a probable laboratory contaminant because of the following:

- The samples were analyzed in the same building as the organic solvent vapor extraction laboratory.

With the exception of the aforementioned detected methylene chloride results, which are considered to be related to lab contamination, overall data quality as summarized in the DUSR is acceptable based on the outcome of data validation.



Tetra Tech, Inc.
Michelle L. Allen
Chemist/Data Validator



Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

June 14, 2016

Attachments:

Appendix A – Qualified Analytical Results

Appendix B – Results as Reported by the Laboratory

Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-105_10_20160209			VP-105_10_20160209RE			VP-105_20_20160209			VP-105_20_20160209RE		
	LAB_ID	10338324015			10338324015			10338324016			10338324016		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	UJ	H				2	UJ	H			
1,1,2,2-TETRACHLOROETHANE		1.2	UJ	H				1.3	UJ	H			
1,1,2-TRICHLOROETHANE		0.96	UJ	H				1	UJ	H			
1,1,2-TRICHLOROTRIFLUOROETHANE		2.8	J	H				9	J	H			
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					5.6	UJ	H				5.8	UJ	H
1,1-DICHLOROETHANE		1.4	UJ	H				1.5	UJ	H			
1,1-DICHLOROETHENE		3.5	UJ	H				3.7	UJ	H			
1,1-DIFLUOROETHANE					17.7	J	H				30.2	J	H
1,2,4-TRICHLOROBENZENE		13.2	UJ	H				13.8	UJ	H			
1,2,4-TRIMETHYLBENZENE		1.7	UJ	H				1.8	UJ	H			
1,2-DIBROMO-3-CHLOROPROPANE					8.6	UJ	H				9	UJ	H
1,2-DIBROMOETHANE		2.7	UJ	H				2.9	UJ	H			
1,2-DICHLOROBENZENE		2.1	UJ	H				2.2	UJ	H			
1,2-DICHLOROETHANE		0.72	UJ	H				0.75	UJ	H			
1,2-DICHLOROPROPANE		1.6	UJ	H				1.7	UJ	H			
1,2-DICHLOROTETRAFLUOROETHANE		2.5	UJ	H				2.6	UJ	H			
1,3,5-TRIMETHYLBENZENE		1.7	UJ	H				1.8	UJ	H			
1,3-BUTADIENE		2	UJ	H				2.1	UJ	H			
1,3-DICHLOROBENZENE		2.1	UJ	H				2.2	UJ	H			
1,4-DICHLOROBENZENE		2.1	UJ	H				2.2	UJ	H			
1,4-DIOXANE		6.4	UJ	H				6.7	UJ	H			
1-ETHYL-4-METHYL BENZENE		1.8	UJ	H				1.8	UJ	H			
2-BUTANONE		5.2	UJ	H				5.5	UJ	H			
2-HEXANONE		7.3	UJ	CH				7.6	UJ	CH			
3-CHLOROPROPENE		2.8	UJ	H				2.9	UJ	H			
4-METHYL-2-PENTANONE		7.3	UJ	H				7.6	UJ	H			
ACETONE		14.3	J	H				8.3	J	H			
BENZENE		1.1	UJ	H				1.2	UJ	H			
BROMODICHLOROMETHANE		6	UJ	H				6.2	UJ	H			
BROMOFORM		3.7	UJ	CH				3.8	UJ	CH			
BROMOMETHANE		3.5	UJ	H				3.6	UJ	H			
CARBON DISULFIDE		1.6	J	H				1.2	UJ	H			
CARBON TETRACHLORIDE		1.1	UJ	H				1.2	UJ	H			
CHLOROBENZENE		1.6	UJ	H				1.7	UJ	H			
CHLORODIBROMOMETHANE		3	UJ	CH				3.2	UJ	CH			

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-105_5_20160209			VP-105_5_20160209RE			VP-105_50_20160209			VP-105_50_20160209RE		
	LAB_ID	10338324014			10338324014			10338324017			10338324017		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		2.1	UJ	H							2.1	J	H
1,1,2,2-TETRACHLOROETHANE		1.3	UJ	H							1.3	UJ	H
1,1,2-TRICHLOROETHANE		1.1	UJ	H							1	UJ	H
1,1,2-TRICHLOROTRIFLUOROETHANE		3.1	UJ	H				7450	J	H			
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					6.1	UJ	H						
1,1-DICHLOROETHANE		1.6	UJ	H							2.6	J	H
1,1-DICHLOROETHENE		3.9	UJ	H							12	J	H
1,1-DIFLUOROETHANE					13.2	J	H						
1,2,4-TRICHLOROBENZENE		14.5	UJ	H							13.8	UJ	H
1,2,4-TRIMETHYLBENZENE		1.9	UJ	H							1.8	UJ	H
1,2-DIBROMO-3-CHLOROPROPANE					9.4	UJ	H						
1,2-DIBROMOETHANE		3	UJ	H							2.9	UJ	H
1,2-DICHLOROBENZENE		2.3	UJ	H							2.2	UJ	H
1,2-DICHLOROETHANE		0.79	UJ	H							0.75	UJ	H
1,2-DICHLOROPROPANE		1.8	UJ	H							1.7	UJ	H
1,2-DICHLOROTETRAFLUOROETHANE		2.7	UJ	H							2.6	UJ	H
1,3,5-TRIMETHYLBENZENE		1.9	UJ	H							1.8	UJ	H
1,3-BUTADIENE		2.2	UJ	H							2.1	UJ	H
1,3-DICHLOROBENZENE		2.3	UJ	H							2.2	UJ	H
1,4-DICHLOROBENZENE		2.3	UJ	H							2.2	UJ	H
1,4-DIOXANE		7	UJ	H							6.7	UJ	H
1-ETHYL-4-METHYL BENZENE		1.9	UJ	H							1.8	UJ	H
2-BUTANONE		5.8	UJ	H							5.5	UJ	H
2-HEXANONE		8	UJ	CH							7.6	UJ	CH
3-CHLOROPROPENE		3.1	UJ	H							2.9	UJ	H
4-METHYL-2-PENTANONE		8	UJ	H							7.6	UJ	H
ACETONE		32.9	J	H							11.6	J	H
BENZENE		1.6	J	H							8.6	J	H
BROMODICHLOROMETHANE		6.5	UJ	H							6.2	UJ	H
BROMOFORM		4	UJ	CH							3.8	UJ	CH
BROMOMETHANE		3.8	UJ	H							3.6	UJ	H
CARBON DISULFIDE		1.2	UJ	H							1.2	UJ	H
CARBON TETRACHLORIDE		1.2	UJ	H							1.7	J	H
CHLOROBENZENE		1.8	UJ	H							2.8	J	H
CHLORODIBROMOMETHANE		3.3	UJ	CH							3.2	UJ	CH

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-105_50_20160209RE1			VP-105_60_20160209			VP-105_60_20160209RE			VP-105_72_20160209		
	LAB_ID	10338324017			10338324018			10338324018			10338324019		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					2.1 J	H					2.1 J	H	
1,1,2,2-TETRACHLOROETHANE					1.3 UJ	H					0.94 UJ	HN	
1,1,2-TRICHLOROETHANE					1 UJ	H					0.74 UJ	H	
1,1,2-TRICHLOROTRIFLUOROETHANE					237 J	H					228 J	H	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.8 UJ		H				5.8 UJ		H			
1,1-DICHLOROETHANE					1.6 J	H					1.1 UJ	H	
1,1-DICHLOROETHENE					8.8 J	H					2.7 UJ	H	
1,1-DIFLUOROETHANE		2.5 UJ		H				2.5 UJ		H			
1,2,4-TRICHLOROBENZENE					13.8 UJ	H					10.1 UJ	HN	
1,2,4-TRIMETHYLBENZENE					1.8 UJ	H					1.3 UJ	HN	
1,2-DIBROMO-3-CHLOROPROPANE		9 UJ		H				9 UJ		H			
1,2-DIBROMOETHANE					2.9 UJ	H					2.1 UJ	HN	
1,2-DICHLOROBENZENE					2.2 UJ	H					1.6 UJ	HN	
1,2-DICHLOROETHANE					0.75 UJ	H					0.55 UJ	H	
1,2-DICHLOROPROPANE					1.7 UJ	H					1.3 UJ	H	
1,2-DICHLOROTETRAFLUOROETHANE					2.6 UJ	H					1.9 UJ	H	
1,3,5-TRIMETHYLBENZENE					1.8 UJ	H					1.3 UJ	hN	
1,3-BUTADIENE					2.1 UJ	H					1.5 UJ	H	
1,3-DICHLOROBENZENE					2.2 UJ	H					1.6 UJ	H	
1,4-DICHLOROBENZENE					2.2 UJ	H					40.3 J	H	
1,4-DIOXANE					6.7 UJ	H					4.9 UJ	H	
1-ETHYL-4-METHYL BENZENE					1.8 UJ	H					1.3 UJ	HN	
2-BUTANONE					5.5 UJ	H					9.4 J	H	
2-HEXANONE					7.6 UJ	CH					5.6 UJ	CHN	
3-CHLOROPROPENE					2.9 UJ	H					2.1 UJ	H	
4-METHYL-2-PENTANONE					7.6 UJ	H					5.6 UJ	H	
ACETONE					9.2 J	H					21.5 J	H	
BENZENE					2.9 J	H					1.6 J	H	
BROMODICHLOROMETHANE					6.2 UJ	H					4.6 UJ	H	
BROMOFORM					3.8 UJ	CH					2.8 UJ	CHN	
BROMOMETHANE					3.6 UJ	H					2.6 UJ	H	
CARBON DISULFIDE					1.2 UJ	H					1.8 J	H	
CARBON TETRACHLORIDE					1.6 J	H					0.91 J	H	
CHLOROBENZENE					5.1 J	H					2.3 J	H	
CHLORODIBROMOMETHANE					3.2 UJ	CH					2.3 UJ	CHN	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-105_72_20160209RE			VP-9_10_20160209			VP-9_10_20160209DUP			VP-9_10_20160209DUPRE		
	LAB_ID	10338324019			10338324007			10338324008			10338324008		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-9_10_20160209			VP-9_10_20160209		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.9 UJ	H		2 UJ	H				
1,1,2,2-TETRACHLOROETHANE					1.2 UJ	H		1.3 UJ	H				
1,1,2-TRICHLOROETHANE					0.96 UJ	H		1 UJ	H				
1,1,2-TRICHLOROTRIFLUOROETHANE					2.8 UJ	H		2.9 UJ	H				
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		4.3 UJ		H							5.8 UJ		HN
1,1-DICHLOROETHANE					1.4 UJ	H		1.5 UJ	H				
1,1-DICHLOROETHENE					3.5 UJ	H		3.7 UJ	H				
1,1-DIFLUOROETHANE		1.8 UJ		H							2.5 UJ		HN
1,2,4-TRICHLOROBENZENE					13.2 UJ	H		13.8 UJ	H				
1,2,4-TRIMETHYLBENZENE					1.7 UJ	H		1.8 UJ	H				
1,2-DIBROMO-3-CHLOROPROPANE		6.6 UJ		H							9 UJ		H
1,2-DIBROMOETHANE					2.7 UJ	H		2.9 UJ	H				
1,2-DICHLOROBENZENE					2.1 UJ	H		2.2 UJ	H				
1,2-DICHLOROETHANE					0.72 UJ	H		0.75 UJ	H				
1,2-DICHLOROPROPANE					1.6 UJ	H		1.7 UJ	H				
1,2-DICHLOROTETRAFLUOROETHANE					2.5 UJ	H		2.6 UJ	H				
1,3,5-TRIMETHYLBENZENE					1.7 UJ	H		1.8 UJ	H				
1,3-BUTADIENE					2 UJ	H		2.1 UJ	H				
1,3-DICHLOROBENZENE					2.1 UJ	H		2.2 UJ	H				
1,4-DICHLOROBENZENE					2.1 UJ	H		2.2 UJ	H				
1,4-DIOXANE					6.4 UJ	H		6.7 UJ	H				
1-ETHYL-4-METHYL BENZENE					1.8 UJ	H		1.8 UJ	H				
2-BUTANONE					5.2 UJ	H		5.5 UJ	H				
2-HEXANONE					7.3 UJ	CH		7.6 UJ	CH				
3-CHLOROPROPENE					2.8 UJ	H		2.9 UJ	H				
4-METHYL-2-PENTANONE					7.3 UJ	H		7.6 UJ	H				
ACETONE					5.9 J	GH		14.8 J	GH				
BENZENE					1.1 UJ	H		1.2 UJ	H				
BROMODICHLOROMETHANE					6 UJ	H		6.2 UJ	H				
BROMOFORM					3.7 UJ	CH		3.8 UJ	CH				
BROMOMETHANE					3.5 UJ	H		3.6 UJ	H				
CARBON DISULFIDE					1.1 UJ	H		1.2 UJ	H				
CARBON TETRACHLORIDE					1.1 UJ	H		1.2 UJ	H				
CHLOROBENZENE					1.6 UJ	H		1.7 UJ	H				
CHLORODIBROMOMETHANE					3 UJ	CH		3.2 UJ	CH				

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-9_10_20160209RE			VP-9_20_20160209			VP-9_20_20160209RE			VP-9_30_20160209		
	LAB_ID	10338324007			10338324009			10338324009			10338324010		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE								2.6	J	H	27.7	J	H
1,1,2,2-TETRACHLOROETHANE								1.3	UJ	H	1.7	UJ	H
1,1,2-TRICHLOROETHANE								10.8	J	H	43.5	J	H
1,1,2-TRICHLOROTRIFLUOROETHANE								16.9	J	H	175	J	H
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6	UJ	H	6.1	UJ	H						
1,1-DICHLOROETHANE								1.6	UJ	H	2.7	J	H
1,1-DICHLOROETHENE								3.9	UJ	H	7	J	H
1,1-DIFLUOROETHANE		2.4	UJ	H	22.2	J	H						
1,2,4-TRICHLOROBENZENE								14.5	UJ	H	17.9	UJ	H
1,2,4-TRIMETHYLBENZENE								1.9	UJ	H	2.4	UJ	H
1,2-DIBROMO-3-CHLOROPROPANE		8.6	UJ	H	9.4	UJ	H						
1,2-DIBROMOETHANE								3	UJ	H	3.7	UJ	H
1,2-DICHLOROBENZENE								2.3	UJ	H	2.9	UJ	H
1,2-DICHLOROETHANE								0.79	UJ	H	0.97	UJ	H
1,2-DICHLOROPROPANE								1.8	UJ	H	2.2	UJ	H
1,2-DICHLOROTETRAFLUOROETHANE								2.7	UJ	H	3.4	UJ	H
1,3,5-TRIMETHYLBENZENE								1.9	UJ	H	2.4	UJ	H
1,3-BUTADIENE								2.2	UJ	H	2.7	UJ	H
1,3-DICHLOROBENZENE								2.3	UJ	H	2.9	UJ	H
1,4-DICHLOROBENZENE								2.3	UJ	H	2.9	UJ	H
1,4-DIOXANE								7	UJ	H	8.7	UJ	H
1-ETHYL-4-METHYL BENZENE								1.9	UJ	H	2.4	UJ	H
2-BUTANONE								5.8	UJ	H	7.1	UJ	H
2-HEXANONE								8	UJ	CH	9.9	UJ	CH
3-CHLOROPROPENE								3.1	UJ	H	3.8	UJ	H
4-METHYL-2-PENTANONE								8	UJ	H	9.9	UJ	H
ACETONE								18.4	J	H	13.5	J	H
BENZENE								1.2	UJ	H	2.4	J	H
BROMODICHLOROMETHANE								6.5	UJ	H	8.1	UJ	H
BROMOFORM								4	UJ	CH	5	UJ	CH
BROMOMETHANE								3.8	UJ	H	4.7	UJ	H
CARBON DISULFIDE								1.2	UJ	H	1.5	UJ	H
CARBON TETRACHLORIDE								1.2	UJ	H	5.8	J	H
CHLOROBENZENE								1.8	UJ	H	2.2	UJ	H
CHLORODIBROMOMETHANE								3.3	UJ	CH	4.1	UJ	CH

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-9_30_20160209RE			VP-9_40_20160209			VP-9_40_20160209RE			VP-9_50_20160209		
	LAB_ID	10338324010			10338324011			10338324011			10338324012		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					2.2 UJ	HN					5.5 J	H	
1,1,2,2-TETRACHLOROETHANE					1.4 UJ	HN					1.2 UJ	H	
1,1,2-TRICHLOROETHANE					69.1 J	HN					5.8 J	H	
1,1,2-TRICHLOROTRIFLUOROETHANE					355000 J	H					408 J	H	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		7.5 UJ		H				6.4 UJ	HN				
1,1-DICHLOROETHANE					148 J	HN					1.4 UJ	H	
1,1-DICHLOROETHENE					2000 J	H					15.2 J	H	
1,1-DIFLUOROETHANE		3.2 UJ		H				2.8 UJ	HN				
1,2,4-TRICHLOROBENZENE					15.2 UJ	HN					13.2 UJ	H	
1,2,4-TRIMETHYLBENZENE					2 UJ	HN					1.7 UJ	H	
1,2-DIBROMO-3-CHLOROPROPANE		11.6 UJ		H				9.9 UJ	HN				
1,2-DIBROMOETHANE					3.1 UJ	HN					2.7 UJ	H	
1,2-DICHLOROBENZENE					2.5 UJ	HN					3.2 J	H	
1,2-DICHLOROETHANE					0.82 UJ	HN					0.72 UJ	H	
1,2-DICHLOROPROPANE					1.9 UJ	HN					1.6 UJ	H	
1,2-DICHLOROTETRAFLUOROETHANE					2.9 UJ	HN					2.5 UJ	H	
1,3,5-TRIMETHYLBENZENE					2 UJ	HN					1.7 UJ	H	
1,3-BUTADIENE					2.3 UJ	HN					2 UJ	H	
1,3-DICHLOROBENZENE					2.5 UJ	HN					2.1 UJ	H	
1,4-DICHLOROBENZENE					2.5 UJ	HN					2.1 UJ	H	
1,4-DIOXANE					7.4 UJ	HN					6.4 UJ	H	
1-ETHYL-4-METHYL BENZENE					2 UJ	HN					1.8 UJ	H	
2-BUTANONE					6 UJ	HN					5.2 UJ	H	
2-HEXANONE					8.4 UJ	CHN					7.3 UJ	CH	
3-CHLOROPROPENE					3.2 UJ	HN					2.8 UJ	H	
4-METHYL-2-PENTANONE					8.4 UJ	HN					7.3 UJ	H	
ACETONE					49.5 J	HN					13.7 J	H	
BENZENE					109 J	HN					1.8 J	H	
BROMODICHLOROMETHANE					6.8 UJ	H					6 UJ	H	
BROMOFORM					4.2 UJ	CHN					3.7 UJ	CH	
BROMOMETHANE					4 UJ	HN					3.5 UJ	H	
CARBON DISULFIDE					2.3 J	HN					1.1 UJ	H	
CARBON TETRACHLORIDE					48.8 J	HN					1.9 J	H	
CHLOROBENZENE					1.9 UJ	HN					1.6 UJ	H	
CHLORODIBROMOMETHANE					3.5 UJ	CHN					3 UJ	CH	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-9_50_20160209RE			VP-9_60_20160209			VP-9_60_20160209RE			VP-NYSDEC-5_10_20160209		
	LAB_ID	10338324012			10338324013			10338324013			10338324002		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					7.8 J	H					1.9 UJ	H	
1,1,2,2-TETRACHLOROETHANE					1.2 UJ	H					1.2 UJ	H	
1,1,2-TRICHLOROETHANE					6.2 J	H					0.96 UJ	H	
1,1,2-TRICHLOROTRIFLUOROETHANE					408 J	H					2.8 UJ	H	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6 UJ		H				5.6 UJ		H			
1,1-DICHLOROETHANE					1.4 UJ	H					1.4 UJ	H	
1,1-DICHLOROETHENE					19.2 J	H					3.5 UJ	H	
1,1-DIFLUOROETHANE		2.4 UJ		H				2.4 UJ		H			
1,2,4-TRICHLOROBENZENE					13.2 UJ	H					13.2 UJ	H	
1,2,4-TRIMETHYLBENZENE					1.7 UJ	H					1.7 UJ	H	
1,2-DIBROMO-3-CHLOROPROPANE		8.6 UJ		H				8.6 UJ		H			
1,2-DIBROMOETHANE					2.7 UJ	H					2.7 UJ	H	
1,2-DICHLOROBENZENE					3.7 J	H					2.1 UJ	H	
1,2-DICHLOROETHANE					0.72 UJ	H					0.72 UJ	H	
1,2-DICHLOROPROPANE					1.6 UJ	H					1.6 UJ	H	
1,2-DICHLOROTETRAFLUOROETHANE					2.5 UJ	H					2.5 UJ	H	
1,3,5-TRIMETHYLBENZENE					1.7 UJ	H					1.7 UJ	H	
1,3-BUTADIENE					2 UJ	H					2 UJ	H	
1,3-DICHLOROBENZENE					2.1 UJ	H					2.1 UJ	H	
1,4-DICHLOROBENZENE					2.1 UJ	H					2.1 UJ	H	
1,4-DIOXANE					6.4 UJ	H					6.4 UJ	H	
1-ETHYL-4-METHYL BENZENE					1.8 UJ	H					1.8 UJ	H	
2-BUTANONE					5.2 UJ	H					6.4 J	H	
2-HEXANONE					7.3 UJ	CH					7.3 UJ	CH	
3-CHLOROPROPENE					2.8 UJ	H					2.8 UJ	H	
4-METHYL-2-PENTANONE					7.3 UJ	H					7.3 UJ	H	
ACETONE					23.4 J	H					25.6 J	H	
BENZENE					2 J	H					1.1 UJ	H	
BROMODICHLOROMETHANE					6 UJ	H					6 UJ	H	
BROMOFORM					3.7 UJ	CH					3.7 UJ	CH	
BROMOMETHANE					3.5 UJ	H					3.5 UJ	H	
CARBON DISULFIDE					1.1 UJ	H					1.4 J	H	
CARBON TETRACHLORIDE					1.9 J	H					1.1 UJ	H	
CHLOROBENZENE					1.6 UJ	H					1.6 UJ	H	
CHLORODIBROMOMETHANE					3 UJ	CH					3 UJ	CH	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-NYSDEC-5_10_20160209RE			VP-NYSDEC-5_20_20160219			VP-NYSDEC-5_20_20160219RE			VP-NYSDEC-5_30_20160209		
	LAB_ID	10338324002			10338324003			10338324003			10338324004		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.9 UJ	H					2 UJ	H	
1,1,2,2-TETRACHLOROETHANE					1.2 UJ	H					1.3 UJ	HN	
1,1,2-TRICHLOROETHANE					0.96 UJ	H					1 UJ	H	
1,1,2-TRICHLOROTRIFLUOROETHANE					14.6 J	H					46600 J	H	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6 UJ		H				5.6 UJ		H			
1,1-DICHLOROETHANE					1.4 UJ	H					4.2 J	H	
1,1-DICHLOROETHENE					3.5 UJ	H					16.2 J	H	
1,1-DIFLUOROETHANE		444 J		H				2.4 UJ		H			
1,2,4-TRICHLOROBENZENE					13.2 UJ	H					13.8 UJ	HN	
1,2,4-TRIMETHYLBENZENE					1.7 UJ	H					1.8 UJ	HN	
1,2-DIBROMO-3-CHLOROPROPANE		8.6 UJ		H				8.6 UJ		H			
1,2-DIBROMOETHANE					2.7 UJ	H					2.9 UJ	HN	
1,2-DICHLOROBENZENE					2.1 UJ	H					2.2 UJ	HN	
1,2-DICHLOROETHANE					0.72 UJ	H					0.75 UJ	H	
1,2-DICHLOROPROPANE					1.6 UJ	H					1.7 UJ	H	
1,2-DICHLOROTETRAFLUOROETHANE					2.5 UJ	H					2.6 UJ	H	
1,3,5-TRIMETHYLBENZENE					1.7 UJ	H					1.8 UJ	HN	
1,3-BUTADIENE					2 UJ	H					2.1 UJ	H	
1,3-DICHLOROBENZENE					2.1 UJ	H					2.2 UJ	H	
1,4-DICHLOROBENZENE					2.1 UJ	H					2.2 UJ	H	
1,4-DIOXANE					6.4 UJ	H					6.7 UJ	H	
1-ETHYL-4-METHYL BENZENE					1.8 UJ	H					1.8 UJ	HN	
2-BUTANONE					6.6 J	H					11.9 J	H	
2-HEXANONE					7.3 UJ	CH					7.6 UJ	CHN	
3-CHLOROPROPENE					2.8 UJ	H					2.9 UJ	H	
4-METHYL-2-PENTANONE					7.3 UJ	H					7.6 UJ	H	
ACETONE					35.6 J	H					40.3 J	H	
BENZENE					1.1 UJ	H					7 J	H	
BROMODICHLOROMETHANE					6 UJ	H					6.2 UJ	H	
BROMOFORM					3.7 UJ	CH					3.8 UJ	CHN	
BROMOMETHANE					3.5 UJ	H					3.6 UJ	H	
CARBON DISULFIDE					1.1 UJ	H					1.7 J	H	
CARBON TETRACHLORIDE					1.3 J	H					9.2 J	H	
CHLOROBENZENE					1.6 UJ	H					1.7 UJ	H	
CHLORODIBROMOMETHANE					3 UJ	CH					3.2 UJ	CHN	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-NYSDEC-5_30_20160209RE			VP-NYSDEC-5_40_20160209			VP-NYSDEC-5_40_20160209RE			VP-NYSDEC-5_5_20160209		
	LAB_ID	10338324004			10338324005			10338324005			10338324001		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					2.1 J	H					1.9 UJ	H	
1,1,2,2-TETRACHLOROETHANE					1.3 UJ	HN					1.2 UJ	H	
1,1,2-TRICHLOROETHANE					28 J	H					0.96 UJ	H	
1,1,2-TRICHLOROTRIFLUOROETHANE					27600 J	H					2.8 UJ	H	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.8 UJ		HN				5.8 UJ		H			
1,1-DICHLOROETHANE					11 J	H					1.4 UJ	H	
1,1-DICHLOROETHENE					34 J	H					3.5 UJ	H	
1,1-DIFLUOROETHANE		2.5 UJ		HN				6.1 J		H			
1,2,4-TRICHLOROBENZENE					13.8 UJ	HN					13.2 UJ	H	
1,2,4-TRIMETHYLBENZENE					1.8 UJ	HN					1.9 J	H	
1,2-DIBROMO-3-CHLOROPROPANE		9 UJ		H				9 UJ		H			
1,2-DIBROMOETHANE					2.9 UJ	HN					2.7 UJ	H	
1,2-DICHLOROBENZENE					2.2 UJ	HN					2.1 UJ	H	
1,2-DICHLOROETHANE					0.75 UJ	H					0.72 UJ	H	
1,2-DICHLOROPROPANE					1.7 UJ	H					1.6 UJ	H	
1,2-DICHLOROTETRAFLUOROETHANE					2.6 UJ	H					2.5 UJ	H	
1,3,5-TRIMETHYLBENZENE					1.8 UJ	HN					1.7 UJ	H	
1,3-BUTADIENE					2.1 UJ	H					2 UJ	H	
1,3-DICHLOROBENZENE					2.2 UJ	H					2.1 UJ	H	
1,4-DICHLOROBENZENE					2.2 UJ	H					2.1 UJ	H	
1,4-DIOXANE					6.7 UJ	H					6.4 UJ	H	
1-ETHYL-4-METHYL BENZENE					1.8 UJ	HN					1.8 UJ	H	
2-BUTANONE					5.5 UJ	H					6.9 J	H	
2-HEXANONE					7.6 UJ	CHN					7.3 UJ	CH	
3-CHLOROPROPENE					2.9 UJ	H					2.8 UJ	H	
4-METHYL-2-PENTANONE					7.6 UJ	H					7.3 UJ	H	
ACETONE					5.5 J	H					32.2 J	H	
BENZENE					4.3 J	H					1.3 J	H	
BROMODICHLOROMETHANE					6.2 UJ	H					6 UJ	H	
BROMOFORM					3.8 UJ	CHN					3.7 UJ	CH	
BROMOMETHANE					3.6 UJ	H					3.5 UJ	H	
CARBON DISULFIDE					1.2 J	H					1.1 UJ	H	
CARBON TETRACHLORIDE					4.9 J	H					1.1 UJ	H	
CHLOROBENZENE					1.7 UJ	H					1.6 UJ	H	
CHLORODIBROMOMETHANE					3.2 UJ	CHN					3 UJ	CH	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-NYSDEC-5_5_20160209RE			VP-NYSDEC-5_50_20160209			VP-NYSDEC-5_50_20160209RE		
	LAB_ID	10338324001			10338324006			10338324006		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					2 J	H				
1,1,2,2-TETRACHLOROETHANE					1.2 UJ	HN				
1,1,2-TRICHLOROETHANE					143 J	H				
1,1,2-TRICHLOROTRIFLUOROETHANE					285 J	H				
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6	UJ	H				5.6	UJ	H
1,1-DICHLOROETHANE					1.4 UJ	H				
1,1-DICHLOROETHENE					34.4 J	H				
1,1-DIFLUOROETHANE		21.4	J	H				2.4	UJ	H
1,2,4-TRICHLOROBENZENE					13.2 UJ	HN				
1,2,4-TRIMETHYLBENZENE					1.7 UJ	HN				
1,2-DIBROMO-3-CHLOROPROPANE		8.6	UJ	H				8.6	UJ	H
1,2-DIBROMOETHANE					2.7 UJ	HN				
1,2-DICHLOROBENZENE					6.1 J	HN				
1,2-DICHLOROETHANE					0.72 UJ	H				
1,2-DICHLOROPROPANE					1.6 UJ	H				
1,2-DICHLOROTETRAFLUOROETHANE					2.5 UJ	H				
1,3,5-TRIMETHYLBENZENE					1.7 UJ	HN				
1,3-BUTADIENE					2 UJ	H				
1,3-DICHLOROBENZENE					2.1 UJ	H				
1,4-DICHLOROBENZENE					2.5 J	H				
1,4-DIOXANE					6.4 UJ	H				
1-ETHYL-4-METHYL BENZENE					1.8 UJ	HN				
2-BUTANONE					5.2 UJ	H				
2-HEXANONE					7.3 UJ	CHN				
3-CHLOROPROPENE					2.8 UJ	H				
4-METHYL-2-PENTANONE					7.3 UJ	H				
ACETONE					23.5 J	H				
BENZENE					1.7 J	H				
BROMODICHLOROMETHANE					6 UJ	H				
BROMOFORM					3.7 UJ	CHN				
BROMOMETHANE					3.5 UJ	H				
CARBON DISULFIDE					1.1 J	H				
CARBON TETRACHLORIDE					4.3 J	H				
CHLOROBENZENE					1.6 UJ	H				
CHLORODIBROMOMETHANE					3 UJ	CHN				

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-105_10_20160209			VP-105_10_20160209RE			VP-105_20_20160209			VP-105_20_20160209RE		
	LAB_ID	10338324015			10338324015			10338324016			10338324016		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		4.2	J	H				27	J	H			
CHLOROETHANE		2.3	UJ	H				2.5	UJ	H			
CHLOROFORM		2.1	J	H				2.2	J	H			
CHLOROMETHANE		0.74	UJ	H				0.77	UJ	H			
CIS-1,2-DICHLOROETHENE		4.5	J	H				10.3	J	H			
CIS-1,3-DICHLOROPROPENE		4	UJ	H				4.2	UJ	H			
CYCLOHEXANE		2.4	J	H				1.3	UJ	H			
DICHLORODIFLUOROMETHANE		2.3	J	H				2.3	J	H			
ETHYLBENZENE		1.5	UJ	H				1.6	UJ	H			
HEXACHLOROBUTADIENE		19	UJ	H				19.9	UJ	H			
HEXANE		1.5	J	H				1.3	UJ	H			
ISOPROPANOL		4.4	UJ	H				4.6	UJ	H			
ISOPROPYLBENZENE		4.4	UJ	H				4.6	UJ	H			
M+P-XYLENES		3.1	UJ	H				3.2	UJ	H			
METHYL ACETATE					2.7	UJ	H				2.8	UJ	H
METHYL CYCLOHEXANE		1.4	UJ	H				1.5	UJ	H			
METHYL TERT-BUTYL ETHER		6.4	UJ	H				6.7	UJ	H			
METHYLENE CHLORIDE		6.2	UJ	H				6.5	UJ	H			
O-XYLENE		1.5	UJ	H				1.6	UJ	H			
PENTAFLUOROETHYL CHLORIDE					5.6	UJ	CHE				5.9	UJ	CHE
STYRENE		1.5	UJ	H				1.6	UJ	H			
TETRACHLOROETHENE		68	J	H				73.6	J	H			
TOLUENE		1.9	J	H				2.3	J	H			
TRANS-1,2-DICHLOROETHENE		1.4	UJ	H				1.5	UJ	H			
TRANS-1,3-DICHLOROPROPENE		4	UJ	H				4.2	UJ	H			
TRICHLOROETHENE		133	J	H				127	J	H			
TRICHLOROFLUOROMETHANE		2	UJ	H				2.1	UJ	H			
VINYL CHLORIDE		0.46	UJ	H				0.48	UJ	H			

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-105_5_20160209			VP-105_5_20160209RE			VP-105_50_20160209			VP-105_50_20160209RE		
	LAB_ID	10338324014			10338324014			10338324017			10338324017		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.4	UJ	H							140	J	H
CHLOROETHANE		2.6	UJ	H							2.5	UJ	H
CHLOROFORM		1.9	UJ	H							18.4	J	H
CHLOROMETHANE		1.4	J	H							2.2	J	H
CIS-1,2-DICHLOROETHENE		1.6	UJ	H				6630	J	H			
CIS-1,3-DICHLOROPROPENE		4.4	UJ	H							4.2	UJ	H
CYCLOHEXANE		15.5	J	H							1.3	UJ	H
DICHLORODIFLUOROMETHANE		2.4	J	H							44	J	H
ETHYLBENZENE		1.7	UJ	H							1.6	UJ	H
HEXACHLOROBUTADIENE		20.8	UJ	H							19.9	UJ	H
HEXANE		3.2	J	H							1.6	J	H
ISOPROPANOL		8.9	J	H							4.6	UJ	H
ISOPROPYLBENZENE		4.8	UJ	H							4.6	UJ	H
M+P-XYLENES		3.4	J	H							3.2	UJ	H
METHYL ACETATE					3	UJ	H						
METHYL CYCLOHEXANE		12.1	J	H							1.5	UJ	H
METHYL TERT-BUTYL ETHER		7	UJ	H							6.7	UJ	H
METHYLENE CHLORIDE		6.8	UJ	H							6.5	UJ	H
O-XYLENE		1.7	UJ	H							1.6	UJ	H
PENTAFLUOROETHYL CHLORIDE					6.2	UJ	CHE						
STYRENE		1.7	UJ	H							1.6	UJ	H
TETRACHLOROETHENE		1.7	J	H				4590	J	H			
TOLUENE		62	J	H							4.2	J	H
TRANS-1,2-DICHLOROETHENE		1.6	UJ	H							23.3	J	H
TRANS-1,3-DICHLOROPROPENE		4.4	UJ	H							4.2	UJ	H
TRICHLOROETHENE		2.1	J	H				37200	J	H			
TRICHLOROFLUOROMETHANE		2.2	UJ	H							53.5	J	H
VINYL CHLORIDE		0.5	UJ	H							0.48	UJ	H

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-105_50_20160209RE1			VP-105_60_20160209			VP-105_60_20160209RE			VP-105_72_20160209		
	LAB_ID	10338324017			10338324018			10338324018			10338324019		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					109 J	H					107 J	H	
CHLOROETHANE					2.5 UJ	H					1.8 UJ	H	
CHLOROFORM					16.9 J	H					8.6 J	H	
CHLOROMETHANE					0.77 UJ	H					0.56 UJ	H	
CIS-1,2-DICHLOROETHENE					2980 J	H					254 J	H	
CIS-1,3-DICHLOROPROPENE					4.2 UJ	H					3.1 UJ	H	
CYCLOHEXANE					1.3 UJ	H					0.94 UJ	H	
DICHLORODIFLUOROMETHANE					2.4 J	H					5.8 J	H	
ETHYLBENZENE					1.6 UJ	H					1.2 UJ	hN	
HEXACHLOROBUTADIENE					19.9 UJ	H					14.5 UJ	H	
HEXANE					1.7 J	H					2 J	H	
ISOPROPANOL					4.6 UJ	H					3.4 UJ	H	
ISOPROPYLBENZENE					4.6 UJ	H					3.4 UJ	HN	
M+P-XYLENES					3.2 UJ	H					2.4 UJ	HN	
METHYL ACETATE		2.8 UJ		H				2.8 UJ		H			
METHYL CYCLOHEXANE					1.5 UJ	H					1.1 UJ	H	
METHYL TERT-BUTYL ETHER					6.7 UJ	H					4.9 UJ	H	
METHYLENE CHLORIDE					6.5 UJ	H					4.7 UJ	H	
O-XYLENE					1.6 UJ	H					1.2 UJ	HN	
PENTAFLUOROETHYL CHLORIDE		5.9 UJ		CHE				5.9 UJ		CHE			
STYRENE					1.6 UJ	H					1.2 UJ	HN	
TETRACHLOROETHENE					4800 J	H					1520 J	H	
TOLUENE					2.9 J	H					1.6 J	H	
TRANS-1,2-DICHLOROETHENE					12.6 J	H					6.1 J	H	
TRANS-1,3-DICHLOROPROPENE					4.2 UJ	H					3.1 UJ	H	
TRICHLOROETHENE					40500 J	H					5960 J	H	
TRICHLOROFLUOROMETHANE					53 J	H					62.3 J	H	
VINYL CHLORIDE					0.48 UJ	H					0.35 UJ	H	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-105_72_20160209RE			VP-9_10_20160209			VP-9_10_20160209DUP			VP-9_10_20160209DUPRE		
	LAB_ID	10338324019			10338324007			10338324008			10338324008		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-9_10_20160209			VP-9_10_20160209		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					44.7 J	H		42.5 J	H				
CHLOROETHANE					2.3 UJ	H		2.5 UJ	H				
CHLOROFORM					1.7 UJ	H		1.8 UJ	H				
CHLOROMETHANE					0.74 UJ	H		0.77 UJ	H				
CIS-1,2-DICHLOROETHENE					1.4 UJ	H		1.5 UJ	H				
CIS-1,3-DICHLOROPROPENE					4 UJ	H		4.2 UJ	H				
CYCLOHEXANE					1.2 UJ	H		1.3 UJ	H				
DICHLORODIFLUOROMETHANE					2.6 J	H		2.2 J	H				
ETHYLBENZENE					1.5 UJ	H		1.6 UJ	H				
HEXACHLOROBUTADIENE					19 UJ	H		19.9 UJ	H				
HEXANE					1.3 UJ	H		1.5 J	H				
ISOPROPANOL					4.4 UJ	H		4.6 UJ	H				
ISOPROPYLBENZENE					4.4 UJ	H		4.6 UJ	H				
M+P-XYLENES					3.1 UJ	H		3.2 UJ	H				
METHYL ACETATE		2.1	UJ	H							2.8	UJ	HN
METHYL CYCLOHEXANE					1.4 UJ	H		1.5 UJ	H				
METHYL TERT-BUTYL ETHER					6.4 UJ	H		6.7 UJ	H				
METHYLENE CHLORIDE					6.2 UJ	H		6.5 UJ	H				
O-XYLENE					1.5 UJ	H		1.6 UJ	H				
PENTAFLUOROETHYL CHLORIDE		4.3	UJ	CHE							5.9	UJ	CEHN
STYRENE					1.5 UJ	H		1.6 UJ	H				
TETRACHLOROETHENE					6.7 J	H		6.7 J	H				
TOLUENE					1.3 UJ	H		1.4 UJ	H				
TRANS-1,2-DICHLOROETHENE					1.4 UJ	H		1.5 UJ	H				
TRANS-1,3-DICHLOROPROPENE					4 UJ	H		4.2 UJ	H				
TRICHLOROETHENE					18.9 J	H		20.1 J	H				
TRICHLOROFLUOROMETHANE					2 UJ	H		2.1 UJ	H				
VINYL CHLORIDE					0.46 UJ	H		0.48 UJ	H				

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-9_10_20160209RE			VP-9_20_20160209			VP-9_20_20160209RE			VP-9_30_20160209		
	LAB_ID	10338324007			10338324009			10338324009			10338324010		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE								18.5	J	H	3.1	J	H
CHLOROETHANE								2.6	UJ	H	3.2	UJ	H
CHLOROFORM								12.2	J	H	126	J	H
CHLOROMETHANE								0.81	UJ	H	1	UJ	H
CIS-1,2-DICHLOROETHENE								116	J	H	1680	J	H
CIS-1,3-DICHLOROPROPENE								4.4	UJ	H	5.5	UJ	H
CYCLOHEXANE								2	J	H	1.7	UJ	H
DICHLORODIFLUOROMETHANE								2.3	J	H	2.4	UJ	H
ETHYLBENZENE								1.7	UJ	H	2.1	UJ	H
HEXACHLOROBUTADIENE								20.8	UJ	H	25.7	UJ	H
HEXANE								1.5	J	H	2.1	J	H
ISOPROPANOL								4.8	J	H	5.9	UJ	H
ISOPROPYLBENZENE								4.8	UJ	H	5.9	UJ	H
M+P-XYLENES								3.4	UJ	H	4.2	UJ	H
METHYL ACETATE		2.7	UJ	H	3	UJ	H						
METHYL CYCLOHEXANE								2.4	J	H	2.2	J	H
METHYL TERT-BUTYL ETHER								7	UJ	H	10.3	J	H
METHYLENE CHLORIDE								6.8	UJ	H	8.4	UJ	H
O-XYLENE								1.7	UJ	H	2.1	UJ	H
PENTAFLUOROETHYL CHLORIDE		5.6	UJ	CEH	6.2	UJ	CEH						
STYRENE								1.7	UJ	H	2.1	UJ	H
TETRACHLOROETHENE								377	J	H	1870	J	H
TOLUENE								9.7	J	H	7.7	J	H
TRANS-1,2-DICHLOROETHENE								1.6	UJ	H	6.2	J	H
TRANS-1,3-DICHLOROPROPENE								4.4	UJ	H	5.5	UJ	H
TRICHLOROETHENE					905	J	H				14800	J	H
TRICHLOROFLUOROMETHANE								2.2	UJ	H	2.7	UJ	H
VINYL CHLORIDE								0.5	UJ	H	0.62	UJ	H

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-9_30_20160209RE			VP-9_40_20160209			VP-9_40_20160209RE			VP-9_50_20160209		
	LAB_ID	10338324010			10338324011			10338324011			10338324012		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					175 J	HN					27.3 J	H	
CHLOROETHANE					2.7 UJ	HN					2.3 UJ	H	
CHLOROFORM					1730 J	H					73 J	H	
CHLOROMETHANE					4.6 J	HN					1.7 J	H	
CIS-1,2-DICHLOROETHENE					193000 J	H					1740 J	H	
CIS-1,3-DICHLOROPROPENE					4.6 UJ	HN					4 UJ	H	
CYCLOHEXANE					14.9 J	HN					1.2 UJ	H	
DICHLORODIFLUOROMETHANE					253 J	HN					2.6 J	H	
ETHYLBENZENE					1.8 UJ	HN					1.5 UJ	H	
HEXACHLOROBUTADIENE					21.8 UJ	HN					19 UJ	H	
HEXANE					47.7 J	HN					1.9 J	H	
ISOPROPANOL					5 UJ	HN					4.4 UJ	H	
ISOPROPYLBENZENE					5 UJ	HN					4.4 UJ	H	
M+P-XYLENES					3.6 UJ	HN					3.1 UJ	H	
METHYL ACETATE		3.6 UJ		H				3.1 UJ		HN			
METHYL CYCLOHEXANE					13.1 J	HN					3.2 J	H	
METHYL TERT-BUTYL ETHER					7.4 UJ	HN					6.4 UJ	H	
METHYLENE CHLORIDE					7.1 UJ	HN					6.2 UJ	H	
O-XYLENE					1.8 J	HN					1.5 UJ	H	
PENTAFLUOROETHYL CHLORIDE		7.6 UJ		CHE				6.5 UJ		CEHN			
STYRENE					1.7 UJ	HN					1.5 UJ	H	
TETRACHLOROETHENE					126000 J	H					3990 J	H	
TOLUENE					15 J	HN					13.9 J	H	
TRANS-1,2-DICHLOROETHENE					477 J	HN					16.6 J	H	
TRANS-1,3-DICHLOROPROPENE					4.6 UJ	HN					4 UJ	H	
TRICHLOROETHENE					647000 J	H					33400 J	H	
TRICHLOROFLUOROMETHANE					312 J	HN					4.7 J	H	
VINYL CHLORIDE					149 J	HN					0.46 UJ	H	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-9_50_20160209RE			VP-9_60_20160209			VP-9_60_20160209RE			VP-NYSDEC-5_10_20160209		
	LAB_ID	10338324012			10338324013			10338324013			10338324002		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					103	J	H				407	J	H
CHLOROETHANE					2.3	UJ	H				2.3	UJ	H
CHLOROFORM					85.7	J	H				1.7	UJ	H
CHLOROMETHANE					0.74	UJ	H				1.3	J	H
CIS-1,2-DICHLOROETHENE					2430	J	H				1.4	UJ	H
CIS-1,3-DICHLOROPROPENE					4	UJ	H				4	UJ	H
CYCLOHEXANE					2.9	J	H				2	J	H
DICHLORODIFLUOROMETHANE					2.5	J	H				2.5	J	H
ETHYLBENZENE					1.5	UJ	H				1.5	UJ	H
HEXACHLOROBUTADIENE					19	UJ	H				19	UJ	H
HEXANE					3.1	J	H				1.3	UJ	H
ISOPROPANOL					8.5	J	H				4.4	UJ	H
ISOPROPYLBENZENE					4.4	UJ	H				4.4	UJ	H
M+P-XYLENES					3.1	UJ	H				3.1	UJ	H
METHYL ACETATE		2.7	UJ	H				2.7	UJ	H			
METHYL CYCLOHEXANE					1.4	UJ	H				1.4	UJ	H
METHYL TERT-BUTYL ETHER					6.4	UJ	H				6.4	UJ	H
METHYLENE CHLORIDE					9.8	J+	A				6.2	UJ	H
O-XYLENE					1.5	UJ	H				1.5	UJ	H
PENTAFLUOROETHYL CHLORIDE		5.6	UJ	CHE				5.6	UJ	CHE			
STYRENE					1.5	UJ	H				1.5	UJ	H
TETRACHLOROETHENE					5840	J	H				2.1	J	H
TOLUENE					19.6	J	H				1.4	J	H
TRANS-1,2-DICHLOROETHENE					21.1	J	H				1.4	UJ	H
TRANS-1,3-DICHLOROPROPENE					4	UJ	H				4	UJ	H
TRICHLOROETHENE					40000	J	H				12.9	J	H
TRICHLOROFLUOROMETHANE					2	UJ	H				2	UJ	H
VINYL CHLORIDE					0.46	UJ	H				0.46	UJ	H

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-NYSDEC-5_10_20160209RE			VP-NYSDEC-5_20_20160219			VP-NYSDEC-5_20_20160219RE			VP-NYSDEC-5_30_20160209		
	LAB_ID	10338324002			10338324003			10338324003			10338324004		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					668 J	H					127 J	H	
CHLOROETHANE					2.3 UJ	H					2.5 UJ	H	
CHLOROFORM					5.3 J	H					198 J	H	
CHLOROMETHANE					0.74 UJ	H					1.7 J	H	
CIS-1,2-DICHLOROETHENE					7.6 J	H					2610 J	H	
CIS-1,3-DICHLOROPROPENE					4 UJ	H					4.2 UJ	H	
CYCLOHEXANE					1.2 UJ	H					12.4 J	H	
DICHLORODIFLUOROMETHANE					8.5 J	H					55.3 J	H	
ETHYLBENZENE					1.5 UJ	H					1.6 J	HN	
HEXACHLOROBUTADIENE					19 UJ	H					19.9 UJ	H	
HEXANE					2.3 J	H					4.5 J	H	
ISOPROPANOL					4.4 UJ	H					10.2 J	H	
ISOPROPYLBENZENE					4.4 UJ	H					4.6 UJ	HN	
M+P-XYLENES					3.1 UJ	H					4.7 J	HN	
METHYL ACETATE		2.7 UJ		H				2.7 UJ		H			
METHYL CYCLOHEXANE					1.4 UJ	H					7.9 J	H	
METHYL TERT-BUTYL ETHER					6.4 UJ	H					6.7 UJ	H	
METHYLENE CHLORIDE					6.2 UJ	H					6.5 UJ	H	
O-XYLENE					1.5 UJ	H					1.6 UJ	HN	
PENTAFLUOROETHYL CHLORIDE		5.6 UJ		CHE				5.6 UJ		CHE			
STYRENE					1.5 UJ	H					1.6 UJ	HN	
TETRACHLOROETHENE					72.5 J	H					12100 J	H	
TOLUENE					3.9 J	H					33.4 J	H	
TRANS-1,2-DICHLOROETHENE					1.4 UJ	H					71.8 J	H	
TRANS-1,3-DICHLOROPROPENE					4 UJ	H					4.2 UJ	H	
TRICHLOROETHENE					808 J	H					189000 J	H	
TRICHLOROFLUOROMETHANE					2 UJ	H					68.5 J	H	
VINYL CHLORIDE					0.46 UJ	H					0.48 UJ	H	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-NYSDEC-5_30_20160209RE			VP-NYSDEC-5_40_20160209			VP-NYSDEC-5_40_20160209RE			VP-NYSDEC-5_5_20160209		
	LAB_ID	10338324004			10338324005			10338324005			10338324001		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					200 J	H					20.1 J	H	
CHLOROETHANE					2.5 UJ	H					2.3 UJ	H	
CHLOROFORM					197 J	H					1.7 UJ	H	
CHLOROMETHANE					0.77 UJ	H					1.1 J	H	
CIS-1,2-DICHLOROETHENE					13000 J	H					1.4 UJ	H	
CIS-1,3-DICHLOROPROPENE					4.2 UJ	H					4 UJ	H	
CYCLOHEXANE					3.3 J	H					17 J	H	
DICHLORODIFLUOROMETHANE					85.4 J	H					2.4 J	H	
ETHYLBENZENE					1.6 UJ	HN					1.5 UJ	H	
HEXACHLOROBUTADIENE					19.9 UJ	H					19 UJ	H	
HEXANE					3.8 J	H					1.9 J	H	
ISOPROPANOL					4.6 UJ	H					6.8 J	H	
ISOPROPYLBENZENE					4.6 UJ	HN					4.4 UJ	H	
M+P-XYLENES					3.2 UJ	HN					3.1 UJ	H	
METHYL ACETATE		2.8 UJ		HN				2.8 UJ	H				
METHYL CYCLOHEXANE					1.5 UJ	H					16.4 J	H	
METHYL TERT-BUTYL ETHER					6.7 UJ	H					6.4 UJ	H	
METHYLENE CHLORIDE					6.5 UJ	H					6.2 UJ	H	
O-XYLENE					1.6 UJ	HN					1.5 UJ	H	
PENTAFLUOROETHYL CHLORIDE		5.9 UJ		CEHN				5.9 UJ	CHE				
STYRENE					1.6 UJ	HN					1.5 UJ	H	
TETRACHLOROETHENE					35000 J	H					2.5 J	H	
TOLUENE					3.6 J	H					84.6 J	H	
TRANS-1,2-DICHLOROETHENE					179 J	H					1.4 UJ	H	
TRANS-1,3-DICHLOROPROPENE					4.2 UJ	H					4 UJ	H	
TRICHLOROETHENE					328000 J	H					39.4 J	H	
TRICHLOROFLUOROMETHANE					42.3 J	H					2 UJ	H	
VINYL CHLORIDE					0.48 UJ	H					0.46 UJ	H	

PROJ_NO: 07792 SDG: 10338324 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-NYSDEC-5_5_20160209RE			VP-NYSDEC-5_50_20160209			VP-NYSDEC-5_50_20160209RE		
	LAB_ID	10338324001			10338324006			10338324006		
	SAMP_DATE	2/9/2016			2/9/2016			2/9/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					131 J	H				
CHLOROETHANE					2.3 UJ	H				
CHLOROFORM					174 J	H				
CHLOROMETHANE					1.1 J	H				
CIS-1,2-DICHLOROETHENE					1540 J	H				
CIS-1,3-DICHLOROPROPENE					4 UJ	H				
CYCLOHEXANE					2.6 J	H				
DICHLORODIFLUOROMETHANE					2.7 J	H				
ETHYLBENZENE					1.5 UJ	HN				
HEXACHLOROBUTADIENE					19 UJ	H				
HEXANE					2.7 J	H				
ISOPROPANOL					4.4 UJ	H				
ISOPROPYLBENZENE					4.4 UJ	HN				
M+P-XYLENES					3.1 UJ	HN				
METHYL ACETATE		2.7	UJ	H				2.7	UJ	H
METHYL CYCLOHEXANE					1.4 UJ	H				
METHYL TERT-BUTYL ETHER					6.4 UJ	H				
METHYLENE CHLORIDE					6.2 UJ	H				
O-XYLENE					1.5 UJ	HN				
PENTAFLUOROETHYL CHLORIDE		5.6	UJ	CHE				5.6	UJ	CHE
STYRENE					1.5 UJ	HN				
TETRACHLOROETHENE					3850 J	H				
TOLUENE					6.8 J	H				
TRANS-1,2-DICHLOROETHENE					33.8 J	H				
TRANS-1,3-DICHLOROPROPENE					4 UJ	H				
TRICHLOROETHENE					344000 J	H				
TRICHLOROFLUOROMETHANE					18.4 J	H				
VINYL CHLORIDE					1.3 J	H				

Appendix B

Results as Reported by the Laboratory

ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_5_20160209		Lab ID: 10338324001		Collected: 02/09/16 21:12		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	21.4	ug/m3	2.4	1.75		03/12/16 15:25	75-37-6	SS	
Acetone	32.2	ug/m3	4.2	1.75		03/12/16 00:09	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/12/16 00:09	107-05-1		
Benzene	1.3	ug/m3	1.1	1.75		03/12/16 00:09	71-43-2		
Bromodichloromethane	ND	ug/m3	6.0	1.75		03/12/16 00:09	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/12/16 00:09	75-25-2		
Bromomethane	ND	ug/m3	3.5	1.75		03/12/16 00:09	74-83-9		
1,3-Butadiene	ND	ug/m3	2.0	1.75		03/12/16 00:09	106-99-0		
2-Butanone (MEK)	6.9	ug/m3	5.2	1.75		03/12/16 00:09	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/12/16 00:09	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/12/16 00:09	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/12/16 00:09	108-90-7		
Chlorodifluoromethane	20.1	ug/m3	1.3	1.75		03/12/16 00:09	75-45-6		
Chloroethane	ND	ug/m3	2.3	1.75		03/12/16 00:09	75-00-3		
Chloroform	ND	ug/m3	1.7	1.75		03/12/16 00:09	67-66-3		
Chloromethane	1.1	ug/m3	0.74	1.75		03/12/16 00:09	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/12/16 15:25	76-15-3	CL,IC,L2	
Cyclohexane	17.0	ug/m3	1.2	1.75		03/12/16 00:09	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/12/16 15:25	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/12/16 00:09	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/12/16 00:09	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 00:09	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 00:09	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 00:09	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.75		03/12/16 00:09	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/12/16 00:09	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/12/16 00:09	107-06-2		
1,1-Dichloroethene	ND	ug/m3	3.5	1.75		03/12/16 00:09	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/12/16 00:09	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/12/16 00:09	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/12/16 00:09	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/12/16 00:09	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/12/16 00:09	10061-02-6		
Freon 123	ND	ug/m3	5.6	1.75		03/12/16 15:25	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/12/16 00:09	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/12/16 00:09	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/12/16 00:09	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/12/16 00:09	87-68-3		
n-Hexane	1.9	ug/m3	1.3	1.75		03/12/16 00:09	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/12/16 00:09	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/12/16 00:09	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/12/16 15:25	79-20-9		
Methylcyclohexane	16.4	ug/m3	1.4	1.75		03/12/16 00:09	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/12/16 00:09	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/12/16 00:09	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/12/16 00:09	1634-04-4		
2-Propanol	6.8	ug/m3	4.4	1.75		03/12/16 00:09	67-63-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_5_20160209		Lab ID: 10338324001	Collected: 02/09/16 21:12	Received: 02/11/16 10:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Styrene	ND	ug/m3	1.5	1.75		03/12/16 00:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/12/16 00:09	79-34-5	
Tetrachloroethene	2.5	ug/m3	1.2	1.75		03/12/16 00:09	127-18-4	C8
Toluene	84.6	ug/m3	1.3	1.75		03/12/16 00:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/12/16 00:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/12/16 00:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/12/16 00:09	79-00-5	
Trichloroethene	39.4	ug/m3	0.96	1.75		03/12/16 00:09	79-01-6	C8
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/12/16 00:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/12/16 00:09	76-13-1	
1,2,4-Trimethylbenzene	1.9	ug/m3	1.7	1.75		03/12/16 00:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/12/16 00:09	108-67-8	
Vinyl chloride	ND	ug/m3	0.46	1.75		03/12/16 00:09	75-01-4	
m&p-Xylene	ND	ug/m3	3.1	1.75		03/12/16 00:09	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.75		03/12/16 00:09	95-47-6	

Sample: VP-NYSDEC-5_10_20160209		Lab ID: 10338324002	Collected: 02/09/16 21:27	Received: 02/11/16 10:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	444	ug/m3	2.4	1.75		03/12/16 14:53	75-37-6	E,SS
Acetone	25.6	ug/m3	4.2	1.75		03/11/16 21:31	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75		03/11/16 21:31	107-05-1	
Benzene	ND	ug/m3	1.1	1.75		03/11/16 21:31	71-43-2	
Bromodichloromethane	ND	ug/m3	6.0	1.75		03/11/16 21:31	75-27-4	
Bromoform	ND	ug/m3	3.7	1.75		03/11/16 21:31	75-25-2	
Bromomethane	ND	ug/m3	3.5	1.75		03/11/16 21:31	74-83-9	
1,3-Butadiene	ND	ug/m3	2.0	1.75		03/11/16 21:31	106-99-0	
2-Butanone (MEK)	6.4	ug/m3	5.2	1.75		03/11/16 21:31	78-93-3	
Carbon disulfide	1.4	ug/m3	1.1	1.75		03/11/16 21:31	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/11/16 21:31	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		03/11/16 21:31	108-90-7	
Chlorodifluoromethane	407	ug/m3	1.3	1.75		03/11/16 21:31	75-45-6	E
Chloroethane	ND	ug/m3	2.3	1.75		03/11/16 21:31	75-00-3	
Chloroform	ND	ug/m3	1.7	1.75		03/11/16 21:31	67-66-3	
Chloromethane	1.3	ug/m3	0.74	1.75		03/11/16 21:31	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/12/16 14:53	76-15-3	CL,IC,L2
Cyclohexane	2.0	ug/m3	1.2	1.75		03/11/16 21:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/12/16 14:53	96-12-8	SS
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/11/16 21:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/11/16 21:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 21:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 21:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 21:31	106-46-7	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_10_20160209		Lab ID: 10338324002		Collected: 02/09/16 21:27		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Dichlorodifluoromethane	2.5	ug/m3	1.8	1.75		03/11/16 21:31	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/11/16 21:31	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/11/16 21:31	107-06-2		
1,1-Dichloroethene	ND	ug/m3	3.5	1.75		03/11/16 21:31	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/11/16 21:31	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/11/16 21:31	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/11/16 21:31	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 21:31	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 21:31	10061-02-6		
Freon 123	ND	ug/m3	5.6	1.75		03/12/16 14:53	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/11/16 21:31	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/11/16 21:31	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/11/16 21:31	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/11/16 21:31	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/11/16 21:31	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/11/16 21:31	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/11/16 21:31	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/12/16 14:53	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/11/16 21:31	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/11/16 21:31	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/11/16 21:31	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/11/16 21:31	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/11/16 21:31	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/11/16 21:31	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/11/16 21:31	79-34-5		
Tetrachloroethene	2.1	ug/m3	1.2	1.75		03/11/16 21:31	127-18-4	C8	
Toluene	1.4	ug/m3	1.3	1.75		03/11/16 21:31	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/11/16 21:31	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/11/16 21:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/11/16 21:31	79-00-5		
Trichloroethene	12.9	ug/m3	0.96	1.75		03/11/16 21:31	79-01-6	C8	
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/11/16 21:31	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/11/16 21:31	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 21:31	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 21:31	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/11/16 21:31	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/11/16 21:31	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/11/16 21:31	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_20_20160219 **Lab ID:** 10338324003 **Collected:** 02/09/16 21:07 **Received:** 02/11/16 10:00 **Matrix:** Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/12/16 13:15	75-37-6	SS
Acetone	35.6	ug/m3	4.2	1.75		03/11/16 22:02	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75		03/11/16 22:02	107-05-1	
Benzene	ND	ug/m3	1.1	1.75		03/11/16 22:02	71-43-2	
Bromodichloromethane	ND	ug/m3	6.0	1.75		03/11/16 22:02	75-27-4	
Bromoform	ND	ug/m3	3.7	1.75		03/11/16 22:02	75-25-2	
Bromomethane	ND	ug/m3	3.5	1.75		03/11/16 22:02	74-83-9	
1,3-Butadiene	ND	ug/m3	2.0	1.75		03/11/16 22:02	106-99-0	
2-Butanone (MEK)	6.6	ug/m3	5.2	1.75		03/11/16 22:02	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.75		03/11/16 22:02	75-15-0	
Carbon tetrachloride	1.3	ug/m3	1.1	1.75		03/11/16 22:02	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		03/11/16 22:02	108-90-7	
Chlorodifluoromethane	668	ug/m3	62.9	35		03/31/16 21:21	75-45-6	
Chloroethane	ND	ug/m3	2.3	1.75		03/11/16 22:02	75-00-3	
Chloroform	5.3	ug/m3	1.7	1.75		03/11/16 22:02	67-66-3	
Chloromethane	ND	ug/m3	0.74	1.75		03/11/16 22:02	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/12/16 13:15	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.2	1.75		03/11/16 22:02	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/12/16 13:15	96-12-8	SS
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/11/16 22:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/11/16 22:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 22:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 22:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 22:02	106-46-7	
Dichlorodifluoromethane	8.5	ug/m3	1.8	1.75		03/11/16 22:02	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/11/16 22:02	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/11/16 22:02	107-06-2	
1,1-Dichloroethene	ND	ug/m3	3.5	1.75		03/11/16 22:02	75-35-4	
cis-1,2-Dichloroethene	7.6	ug/m3	1.4	1.75		03/11/16 22:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/11/16 22:02	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/11/16 22:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 22:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 22:02	10061-02-6	
Freon 123	ND	ug/m3	5.6	1.75		03/12/16 13:15	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/11/16 22:02	123-91-1	
Ethylbenzene	ND	ug/m3	1.5	1.75		03/11/16 22:02	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/11/16 22:02	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/11/16 22:02	87-68-3	
n-Hexane	2.3	ug/m3	1.3	1.75		03/11/16 22:02	110-54-3	
2-Hexanone	ND	ug/m3	7.3	1.75		03/11/16 22:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/11/16 22:02	98-82-8	
Methyl acetate	ND	ug/m3	2.7	1.75		03/12/16 13:15	79-20-9	
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/11/16 22:02	108-87-2	
Methylene Chloride	ND	ug/m3	6.2	1.75		03/11/16 22:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/11/16 22:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/11/16 22:02	1634-04-4	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_20_20160219		Lab ID: 10338324003		Collected: 02/09/16 21:07		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	ND	ug/m3	4.4	1.75		03/11/16 22:02	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/11/16 22:02	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/11/16 22:02	79-34-5		
Tetrachloroethene	72.5	ug/m3	1.2	1.75		03/11/16 22:02	127-18-4		
Toluene	3.9	ug/m3	1.3	1.75		03/11/16 22:02	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/11/16 22:02	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/11/16 22:02	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/11/16 22:02	79-00-5		
Trichloroethene	808	ug/m3	19.2	35		03/31/16 21:21	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/11/16 22:02	75-69-4		
1,1,2-Trichlorotrifluoroethane	14.6	ug/m3	2.8	1.75		03/11/16 22:02	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 22:02	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 22:02	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/11/16 22:02	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/11/16 22:02	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/11/16 22:02	95-47-6		

Sample: VP-NYSDEC-5_30_20160209		Lab ID: 10338324004		Collected: 02/09/16 21:12		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/12/16 10:34	75-37-6	SS	
Acetone	40.3	ug/m3	4.4	1.83		03/12/16 01:12	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/12/16 01:12	107-05-1		
Benzene	7.0	ug/m3	1.2	1.83		03/12/16 01:12	71-43-2		
Bromodichloromethane	ND	ug/m3	6.2	1.83		03/12/16 01:12	75-27-4		
Bromoform	ND	ug/m3	3.8	1.83		03/12/16 01:12	75-25-2		
Bromomethane	ND	ug/m3	3.6	1.83		03/12/16 01:12	74-83-9		
1,3-Butadiene	ND	ug/m3	2.1	1.83		03/12/16 01:12	106-99-0		
2-Butanone (MEK)	11.9	ug/m3	5.5	1.83		03/12/16 01:12	78-93-3		
Carbon disulfide	1.7	ug/m3	1.2	1.83		03/12/16 01:12	75-15-0		
Carbon tetrachloride	9.2	ug/m3	1.2	1.83		03/12/16 01:12	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/12/16 01:12	108-90-7		
Chlorodifluoromethane	127	ug/m3	1.3	1.83		03/12/16 01:12	75-45-6		
Chloroethane	ND	ug/m3	2.5	1.83		03/12/16 01:12	75-00-3		
Chloroform	198	ug/m3	1.8	1.83		03/12/16 01:12	67-66-3		
Chloromethane	1.7	ug/m3	0.77	1.83		03/12/16 01:12	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/12/16 10:34	76-15-3	CL,IC,L2	
Cyclohexane	12.4	ug/m3	1.3	1.83		03/12/16 01:12	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/12/16 10:34	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/12/16 01:12	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/12/16 01:12	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 01:12	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_30_20160209 **Lab ID:** 10338324004 **Collected:** 02/09/16 21:12 **Received:** 02/11/16 10:00 **Matrix:** Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 01:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 01:12	106-46-7	
Dichlorodifluoromethane	55.3	ug/m3	1.8	1.83		03/12/16 01:12	75-71-8	
1,1-Dichloroethane	4.2	ug/m3	1.5	1.83		03/12/16 01:12	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/12/16 01:12	107-06-2	
1,1-Dichloroethene	16.2	ug/m3	3.7	1.83		03/12/16 01:12	75-35-4	
cis-1,2-Dichloroethene	2610	ug/m3	474	585.6		03/31/16 16:13	156-59-2	
trans-1,2-Dichloroethene	71.8	ug/m3	1.5	1.83		03/12/16 01:12	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/12/16 01:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/12/16 01:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/12/16 01:12	10061-02-6	
Freon 123	ND	ug/m3	5.8	1.83		03/12/16 10:34	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/12/16 01:12	123-91-1	
Ethylbenzene	1.6	ug/m3	1.6	1.83		03/12/16 01:12	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/12/16 01:12	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/12/16 01:12	87-68-3	
n-Hexane	4.5	ug/m3	1.3	1.83		03/12/16 01:12	110-54-3	
2-Hexanone	ND	ug/m3	7.6	1.83		03/12/16 01:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/12/16 01:12	98-82-8	
Methyl acetate	ND	ug/m3	2.8	1.83		03/12/16 10:34	79-20-9	
Methylcyclohexane	7.9	ug/m3	1.5	1.83		03/12/16 01:12	108-87-2	
Methylene Chloride	ND	ug/m3	6.5	1.83		03/12/16 01:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/12/16 01:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/12/16 01:12	1634-04-4	
2-Propanol	10.2	ug/m3	4.6	1.83		03/12/16 01:12	67-63-0	
Styrene	ND	ug/m3	1.6	1.83		03/12/16 01:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/12/16 01:12	79-34-5	
Tetrachloroethene	12100	ug/m3	403	585.6		03/31/16 16:13	127-18-4	
Toluene	33.4	ug/m3	1.4	1.83		03/12/16 01:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/12/16 01:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/12/16 01:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/12/16 01:12	79-00-5	
Trichloroethene	189000	ug/m3	322	585.6		03/31/16 16:13	79-01-6	E
Trichlorofluoromethane	68.5	ug/m3	2.1	1.83		03/12/16 01:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	46600	ug/m3	937	585.6		03/31/16 16:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/12/16 01:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/12/16 01:12	108-67-8	
Vinyl chloride	ND	ug/m3	0.48	1.83		03/12/16 01:12	75-01-4	
m&p-Xylene	4.7	ug/m3	3.2	1.83		03/12/16 01:12	179601-23-1	
o-Xylene	ND	ug/m3	1.6	1.83		03/12/16 01:12	95-47-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_40_20160209 **Lab ID:** 10338324005 **Collected:** 02/09/16 20:28 **Received:** 02/11/16 10:00 **Matrix:** Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	6.1	ug/m3	2.5	1.83		03/12/16 19:41	75-37-6	SS
Acetone	5.5	ug/m3	4.4	1.83		03/11/16 16:49	67-64-1	
Allyl chloride	ND	ug/m3	2.9	1.83		03/11/16 16:49	107-05-1	
Benzene	4.3	ug/m3	1.2	1.83		03/11/16 16:49	71-43-2	
Bromodichloromethane	ND	ug/m3	6.2	1.83		03/11/16 16:49	75-27-4	
Bromoform	ND	ug/m3	3.8	1.83		03/11/16 16:49	75-25-2	
Bromomethane	ND	ug/m3	3.6	1.83		03/11/16 16:49	74-83-9	
1,3-Butadiene	ND	ug/m3	2.1	1.83		03/11/16 16:49	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/11/16 16:49	78-93-3	
Carbon disulfide	1.2	ug/m3	1.2	1.83		03/11/16 16:49	75-15-0	
Carbon tetrachloride	4.9	ug/m3	1.2	1.83		03/11/16 16:49	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.83		03/11/16 16:49	108-90-7	
Chlorodifluoromethane	200	ug/m3	1.3	1.83		03/11/16 16:49	75-45-6	
Chloroethane	ND	ug/m3	2.5	1.83		03/11/16 16:49	75-00-3	
Chloroform	197	ug/m3	1.8	1.83		03/11/16 16:49	67-66-3	
Chloromethane	ND	ug/m3	0.77	1.83		03/11/16 16:49	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/12/16 19:41	76-15-3	CL,IC,L2
Cyclohexane	3.3	ug/m3	1.3	1.83		03/11/16 16:49	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/12/16 19:41	96-12-8	SS
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/11/16 16:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/11/16 16:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 16:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 16:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 16:49	106-46-7	
Dichlorodifluoromethane	85.4	ug/m3	1.8	1.83		03/11/16 16:49	75-71-8	
1,1-Dichloroethane	11.0	ug/m3	1.5	1.83		03/11/16 16:49	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/11/16 16:49	107-06-2	
1,1-Dichloroethene	34.0	ug/m3	3.7	1.83		03/11/16 16:49	75-35-4	
cis-1,2-Dichloroethene	13000	ug/m3	474	585.6		03/31/16 16:41	156-59-2	
trans-1,2-Dichloroethene	179	ug/m3	1.5	1.83		03/11/16 16:49	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/11/16 16:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/11/16 16:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/11/16 16:49	10061-02-6	
Freon 123	ND	ug/m3	5.8	1.83		03/12/16 19:41	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/11/16 16:49	123-91-1	
Ethylbenzene	ND	ug/m3	1.6	1.83		03/11/16 16:49	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/11/16 16:49	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/11/16 16:49	87-68-3	
n-Hexane	3.8	ug/m3	1.3	1.83		03/11/16 16:49	110-54-3	
2-Hexanone	ND	ug/m3	7.6	1.83		03/11/16 16:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/11/16 16:49	98-82-8	
Methyl acetate	ND	ug/m3	2.8	1.83		03/12/16 19:41	79-20-9	
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/11/16 16:49	108-87-2	
Methylene Chloride	ND	ug/m3	6.5	1.83		03/11/16 16:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/11/16 16:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/11/16 16:49	1634-04-4	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_40_20160209		Lab ID: 10338324005		Collected: 02/09/16 20:28		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	ND	ug/m3	4.6	1.83		03/11/16 16:49	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/11/16 16:49	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/11/16 16:49	79-34-5		
Tetrachloroethene	35000	ug/m3	403	585.6		03/31/16 16:41	127-18-4		
Toluene	3.6	ug/m3	1.4	1.83		03/11/16 16:49	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/11/16 16:49	120-82-1		
1,1,1-Trichloroethane	2.1	ug/m3	2.0	1.83		03/11/16 16:49	71-55-6		
1,1,2-Trichloroethane	28.0	ug/m3	1.0	1.83		03/11/16 16:49	79-00-5		
Trichloroethene	328000	ug/m3	322	585.6		03/31/16 16:41	79-01-6	E	
Trichlorofluoromethane	42.3	ug/m3	2.1	1.83		03/11/16 16:49	75-69-4		
1,1,2-Trichlorotrifluoroethane	27600	ug/m3	937	585.6		03/31/16 16:41	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/11/16 16:49	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/11/16 16:49	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/11/16 16:49	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/11/16 16:49	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/11/16 16:49	95-47-6		

Sample: VP-NYSDEC-5_50_20160209		Lab ID: 10338324006		Collected: 02/09/16 21:07		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/12/16 15:58	75-37-6	SS	
Acetone	23.5	ug/m3	4.2	1.75		03/11/16 22:34	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/11/16 22:34	107-05-1		
Benzene	1.7	ug/m3	1.1	1.75		03/11/16 22:34	71-43-2		
Bromodichloromethane	ND	ug/m3	6.0	1.75		03/11/16 22:34	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/11/16 22:34	75-25-2		
Bromomethane	ND	ug/m3	3.5	1.75		03/11/16 22:34	74-83-9		
1,3-Butadiene	ND	ug/m3	2.0	1.75		03/11/16 22:34	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/11/16 22:34	78-93-3		
Carbon disulfide	1.1	ug/m3	1.1	1.75		03/11/16 22:34	75-15-0		
Carbon tetrachloride	4.3	ug/m3	1.1	1.75		03/11/16 22:34	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/11/16 22:34	108-90-7		
Chlorodifluoromethane	131	ug/m3	1.3	1.75		03/11/16 22:34	75-45-6		
Chloroethane	ND	ug/m3	2.3	1.75		03/11/16 22:34	75-00-3		
Chloroform	174	ug/m3	1.7	1.75		03/11/16 22:34	67-66-3		
Chloromethane	1.1	ug/m3	0.74	1.75		03/11/16 22:34	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/12/16 15:58	76-15-3	CL,IC,L2	
Cyclohexane	2.6	ug/m3	1.2	1.75		03/11/16 22:34	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/12/16 15:58	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/11/16 22:34	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/11/16 22:34	106-93-4		
1,2-Dichlorobenzene	6.1	ug/m3	2.1	1.75		03/11/16 22:34	95-50-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-NYSDEC-5_50_20160209 **Lab ID:** 10338324006 **Collected:** 02/09/16 21:07 **Received:** 02/11/16 10:00 **Matrix:** Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 22:34	541-73-1	
1,4-Dichlorobenzene	2.5	ug/m3	2.1	1.75		03/11/16 22:34	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.8	1.75		03/11/16 22:34	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/11/16 22:34	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/11/16 22:34	107-06-2	
1,1-Dichloroethene	34.4	ug/m3	3.5	1.75		03/11/16 22:34	75-35-4	
cis-1,2-Dichloroethene	1540	ug/m3	454	560		03/31/16 17:09	156-59-2	
trans-1,2-Dichloroethene	33.8	ug/m3	1.4	1.75		03/11/16 22:34	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/11/16 22:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 22:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 22:34	10061-02-6	
Freon 123	ND	ug/m3	5.6	1.75		03/12/16 15:58	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/11/16 22:34	123-91-1	
Ethylbenzene	ND	ug/m3	1.5	1.75		03/11/16 22:34	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/11/16 22:34	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/11/16 22:34	87-68-3	
n-Hexane	2.7	ug/m3	1.3	1.75		03/11/16 22:34	110-54-3	
2-Hexanone	ND	ug/m3	7.3	1.75		03/11/16 22:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/11/16 22:34	98-82-8	
Methyl acetate	ND	ug/m3	2.7	1.75		03/12/16 15:58	79-20-9	
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/11/16 22:34	108-87-2	
Methylene Chloride	ND	ug/m3	6.2	1.75		03/11/16 22:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/11/16 22:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/11/16 22:34	1634-04-4	
2-Propanol	ND	ug/m3	4.4	1.75		03/11/16 22:34	67-63-0	
Styrene	ND	ug/m3	1.5	1.75		03/11/16 22:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/11/16 22:34	79-34-5	
Tetrachloroethene	3850	ug/m3	386	560		03/31/16 17:09	127-18-4	
Toluene	6.8	ug/m3	1.3	1.75		03/11/16 22:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/11/16 22:34	120-82-1	
1,1,1-Trichloroethane	2.0	ug/m3	1.9	1.75		03/11/16 22:34	71-55-6	
1,1,2-Trichloroethane	143	ug/m3	0.96	1.75		03/11/16 22:34	79-00-5	
Trichloroethene	344000	ug/m3	308	560		03/31/16 17:09	79-01-6	E
Trichlorofluoromethane	18.4	ug/m3	2.0	1.75		03/11/16 22:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	285	ug/m3	2.8	1.75		03/11/16 22:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 22:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 22:34	108-67-8	
Vinyl chloride	1.3	ug/m3	0.46	1.75		03/11/16 22:34	75-01-4	
m&p-Xylene	ND	ug/m3	3.1	1.75		03/11/16 22:34	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.75		03/11/16 22:34	95-47-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_10_20160209		Lab ID: 10338324007		Collected: 02/09/16 21:15		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/12/16 17:03	75-37-6	SS	
Acetone	5.9	ug/m3	4.2	1.75		03/11/16 20:27	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/11/16 20:27	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		03/11/16 20:27	71-43-2		
Bromodichloromethane	ND	ug/m3	6.0	1.75		03/11/16 20:27	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/11/16 20:27	75-25-2		
Bromomethane	ND	ug/m3	3.5	1.75		03/11/16 20:27	74-83-9		
1,3-Butadiene	ND	ug/m3	2.0	1.75		03/11/16 20:27	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/11/16 20:27	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/11/16 20:27	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/11/16 20:27	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/11/16 20:27	108-90-7		
Chlorodifluoromethane	44.7	ug/m3	1.3	1.75		03/11/16 20:27	75-45-6		
Chloroethane	ND	ug/m3	2.3	1.75		03/11/16 20:27	75-00-3		
Chloroform	ND	ug/m3	1.7	1.75		03/11/16 20:27	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/11/16 20:27	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/12/16 17:03	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.75		03/11/16 20:27	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/12/16 17:03	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/11/16 20:27	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/11/16 20:27	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 20:27	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 20:27	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 20:27	106-46-7		
Dichlorodifluoromethane	2.6	ug/m3	1.8	1.75		03/11/16 20:27	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/11/16 20:27	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/11/16 20:27	107-06-2		
1,1-Dichloroethene	ND	ug/m3	3.5	1.75		03/11/16 20:27	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/11/16 20:27	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/11/16 20:27	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/11/16 20:27	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 20:27	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 20:27	10061-02-6		
Freon 123	ND	ug/m3	5.6	1.75		03/12/16 17:03	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/11/16 20:27	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/11/16 20:27	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/11/16 20:27	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/11/16 20:27	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/11/16 20:27	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/11/16 20:27	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/11/16 20:27	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/12/16 17:03	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/11/16 20:27	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/11/16 20:27	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/11/16 20:27	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/11/16 20:27	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/11/16 20:27	67-63-0		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_10_20160209		Lab ID: 10338324007		Collected: 02/09/16 21:15		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Styrene	ND	ug/m3	1.5	1.75			03/11/16 20:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75			03/11/16 20:27	79-34-5	
Tetrachloroethene	6.7	ug/m3	1.2	1.75			03/11/16 20:27	127-18-4	
Toluene	ND	ug/m3	1.3	1.75			03/11/16 20:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75			03/11/16 20:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75			03/11/16 20:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75			03/11/16 20:27	79-00-5	
Trichloroethene	18.9	ug/m3	0.96	1.75			03/11/16 20:27	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.0	1.75			03/11/16 20:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75			03/11/16 20:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75			03/11/16 20:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75			03/11/16 20:27	108-67-8	
Vinyl chloride	ND	ug/m3	0.46	1.75			03/11/16 20:27	75-01-4	
m&p-Xylene	ND	ug/m3	3.1	1.75			03/11/16 20:27	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.75			03/11/16 20:27	95-47-6	

Sample: VP-9_10_20160209DUP		Lab ID: 10338324008		Collected: 02/09/16 21:51		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/12/16 10:03	75-37-6	SS	
Acetone	14.8	ug/m3	4.4	1.83		03/12/16 02:47	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/12/16 02:47	107-05-1		
Benzene	ND	ug/m3	1.2	1.83		03/12/16 02:47	71-43-2		
Bromodichloromethane	ND	ug/m3	6.2	1.83		03/12/16 02:47	75-27-4		
Bromoform	ND	ug/m3	3.8	1.83		03/12/16 02:47	75-25-2		
Bromomethane	ND	ug/m3	3.6	1.83		03/12/16 02:47	74-83-9		
1,3-Butadiene	ND	ug/m3	2.1	1.83		03/12/16 02:47	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/12/16 02:47	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/12/16 02:47	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/12/16 02:47	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/12/16 02:47	108-90-7		
Chlorodifluoromethane	42.5	ug/m3	1.3	1.83		03/12/16 02:47	75-45-6		
Chloroethane	ND	ug/m3	2.5	1.83		03/12/16 02:47	75-00-3		
Chloroform	ND	ug/m3	1.8	1.83		03/12/16 02:47	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/12/16 02:47	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/12/16 10:03	76-15-3	CL,L2, SS	
Cyclohexane	ND	ug/m3	1.3	1.83		03/12/16 02:47	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/12/16 10:03	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/12/16 02:47	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/12/16 02:47	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 02:47	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 02:47	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 02:47	106-46-7		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_10_20160209DUP		Lab ID: 10338324008		Collected: 02/09/16 21:51		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Dichlorodifluoromethane	2.2	ug/m3	1.8	1.83		03/12/16 02:47	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/12/16 02:47	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/12/16 02:47	107-06-2		
1,1-Dichloroethene	ND	ug/m3	3.7	1.83		03/12/16 02:47	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/12/16 02:47	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/12/16 02:47	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/12/16 02:47	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/12/16 02:47	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/12/16 02:47	10061-02-6		
Freon 123	ND	ug/m3	5.8	1.83		03/12/16 10:03	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/12/16 02:47	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/12/16 02:47	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/12/16 02:47	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/12/16 02:47	87-68-3		
n-Hexane	1.5	ug/m3	1.3	1.83		03/12/16 02:47	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/12/16 02:47	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/12/16 02:47	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/12/16 10:03	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/12/16 02:47	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/12/16 02:47	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/12/16 02:47	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/12/16 02:47	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/12/16 02:47	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/12/16 02:47	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/12/16 02:47	79-34-5		
Tetrachloroethene	6.7	ug/m3	1.3	1.83		03/12/16 02:47	127-18-4	C8	
Toluene	ND	ug/m3	1.4	1.83		03/12/16 02:47	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/12/16 02:47	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/12/16 02:47	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/12/16 02:47	79-00-5		
Trichloroethene	20.1	ug/m3	1.0	1.83		03/12/16 02:47	79-01-6	C8	
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/12/16 02:47	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/12/16 02:47	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/12/16 02:47	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/12/16 02:47	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/12/16 02:47	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/12/16 02:47	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/12/16 02:47	95-47-6		

Sample: VP-9_20_20160209		Lab ID: 10338324009		Collected: 02/09/16 22:00		Received: 02/11/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		22.2	ug/m3	2.6	1.92		03/12/16 11:39	75-37-6	SS
Acetone		18.4	ug/m3	4.6	1.92		03/12/16 02:16	67-64-1	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_20_20160209		Lab ID: 10338324009		Collected: 02/09/16 22:00		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Allyl chloride	ND	ug/m3	3.1	1.92		03/12/16 02:16	107-05-1		
Benzene	ND	ug/m3	1.2	1.92		03/12/16 02:16	71-43-2		
Bromodichloromethane	ND	ug/m3	6.5	1.92		03/12/16 02:16	75-27-4		
Bromoform	ND	ug/m3	4.0	1.92		03/12/16 02:16	75-25-2		
Bromomethane	ND	ug/m3	3.8	1.92		03/12/16 02:16	74-83-9		
1,3-Butadiene	ND	ug/m3	2.2	1.92		03/12/16 02:16	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.8	1.92		03/12/16 02:16	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.92		03/12/16 02:16	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.92		03/12/16 02:16	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.92		03/12/16 02:16	108-90-7		
Chlorodifluoromethane	18.5	ug/m3	1.4	1.92		03/12/16 02:16	75-45-6		
Chloroethane	ND	ug/m3	2.6	1.92		03/12/16 02:16	75-00-3		
Chloroform	12.2	ug/m3	1.9	1.92		03/12/16 02:16	67-66-3		
Chloromethane	ND	ug/m3	0.81	1.92		03/12/16 02:16	74-87-3		
Chloropentafluoroethane	ND	ug/m3	6.2	1.92		03/12/16 11:39	76-15-3	CL,IC,L2	
Cyclohexane	2.0	ug/m3	1.3	1.92		03/12/16 02:16	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.4	1.92		03/12/16 11:39	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.3	1.92		03/12/16 02:16	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		03/12/16 02:16	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/12/16 02:16	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/12/16 02:16	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/12/16 02:16	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.9	1.92		03/12/16 02:16	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	1.92		03/12/16 02:16	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.79	1.92		03/12/16 02:16	107-06-2		
1,1-Dichloroethene	ND	ug/m3	3.9	1.92		03/12/16 02:16	75-35-4		
cis-1,2-Dichloroethene	116	ug/m3	1.6	1.92		03/12/16 02:16	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/12/16 02:16	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		03/12/16 02:16	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.4	1.92		03/12/16 02:16	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.4	1.92		03/12/16 02:16	10061-02-6		
Freon 123	ND	ug/m3	6.1	1.92		03/12/16 11:39	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.0	1.92		03/12/16 02:16	123-91-1		
Ethylbenzene	ND	ug/m3	1.7	1.92		03/12/16 02:16	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.9	1.92		03/12/16 02:16	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	20.8	1.92		03/12/16 02:16	87-68-3		
n-Hexane	1.5	ug/m3	1.4	1.92		03/12/16 02:16	110-54-3		
2-Hexanone	ND	ug/m3	8.0	1.92		03/12/16 02:16	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.8	1.92		03/12/16 02:16	98-82-8		
Methyl acetate	ND	ug/m3	3.0	1.92		03/12/16 11:39	79-20-9		
Methylcyclohexane	2.4	ug/m3	1.6	1.92		03/12/16 02:16	108-87-2		
Methylene Chloride	ND	ug/m3	6.8	1.92		03/12/16 02:16	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.0	1.92		03/12/16 02:16	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.92		03/12/16 02:16	1634-04-4		
2-Propanol	4.8	ug/m3	4.8	1.92		03/12/16 02:16	67-63-0		
Styrene	ND	ug/m3	1.7	1.92		03/12/16 02:16	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		03/12/16 02:16	79-34-5		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_20_20160209		Lab ID: 10338324009		Collected: 02/09/16 22:00		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	377	ug/m3	1.3	1.92		03/12/16 02:16	127-18-4		
Toluene	9.7	ug/m3	1.5	1.92		03/12/16 02:16	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	14.5	1.92		03/12/16 02:16	120-82-1		
1,1,1-Trichloroethane	2.6	ug/m3	2.1	1.92		03/12/16 02:16	71-55-6		
1,1,2-Trichloroethane	10.8	ug/m3	1.1	1.92		03/12/16 02:16	79-00-5		
Trichloroethene	905	ug/m3	28.3	51.46		03/31/16 19:29	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.2	1.92		03/12/16 02:16	75-69-4		
1,1,2-Trichlorotrifluoroethane	16.9	ug/m3	3.1	1.92		03/12/16 02:16	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/12/16 02:16	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/12/16 02:16	108-67-8		
Vinyl chloride	ND	ug/m3	0.50	1.92		03/12/16 02:16	75-01-4		
m&p-Xylene	ND	ug/m3	3.4	1.92		03/12/16 02:16	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.92		03/12/16 02:16	95-47-6		

Sample: VP-9_30_20160209		Lab ID: 10338324010		Collected: 02/09/16 23:13		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	3.2	2.37			03/12/16 12:43	75-37-6	SS
Acetone	13.5	ug/m3	5.7	2.37			03/11/16 23:37	67-64-1	
Allyl chloride	ND	ug/m3	3.8	2.37			03/11/16 23:37	107-05-1	
Benzene	2.4	ug/m3	1.5	2.37			03/11/16 23:37	71-43-2	
Bromodichloromethane	ND	ug/m3	8.1	2.37			03/11/16 23:37	75-27-4	
Bromoform	ND	ug/m3	5.0	2.37			03/11/16 23:37	75-25-2	
Bromomethane	ND	ug/m3	4.7	2.37			03/11/16 23:37	74-83-9	
1,3-Butadiene	ND	ug/m3	2.7	2.37			03/11/16 23:37	106-99-0	
2-Butanone (MEK)	ND	ug/m3	7.1	2.37			03/11/16 23:37	78-93-3	
Carbon disulfide	ND	ug/m3	1.5	2.37			03/11/16 23:37	75-15-0	
Carbon tetrachloride	5.8	ug/m3	1.5	2.37			03/11/16 23:37	56-23-5	
Chlorobenzene	ND	ug/m3	2.2	2.37			03/11/16 23:37	108-90-7	
Chlorodifluoromethane	3.1	ug/m3	1.7	2.37			03/11/16 23:37	75-45-6	
Chloroethane	ND	ug/m3	3.2	2.37			03/11/16 23:37	75-00-3	
Chloroform	126	ug/m3	2.3	2.37			03/11/16 23:37	67-66-3	
Chloromethane	ND	ug/m3	1.0	2.37			03/11/16 23:37	74-87-3	
Chloropentafluoroethane	ND	ug/m3	7.6	2.37			03/12/16 12:43	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.7	2.37			03/11/16 23:37	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	11.6	2.37			03/12/16 12:43	96-12-8	SS
Dibromochloromethane	ND	ug/m3	4.1	2.37			03/11/16 23:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.7	2.37			03/11/16 23:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.9	2.37			03/11/16 23:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.9	2.37			03/11/16 23:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.9	2.37			03/11/16 23:37	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	2.4	2.37			03/11/16 23:37	75-71-8	
1,1-Dichloroethane	2.7	ug/m3	1.9	2.37			03/11/16 23:37	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.97	2.37			03/11/16 23:37	107-06-2	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_30_20160209		Lab ID: 10338324010		Collected: 02/09/16 23:13		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	7.0	ug/m3	4.8	2.37		03/11/16 23:37	75-35-4		
cis-1,2-Dichloroethene	1680	ug/m3	76.8	94.8		03/31/16 19:01	156-59-2		
trans-1,2-Dichloroethene	6.2	ug/m3	1.9	2.37		03/11/16 23:37	156-60-5		
1,2-Dichloropropane	ND	ug/m3	2.2	2.37		03/11/16 23:37	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	5.5	2.37		03/11/16 23:37	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	5.5	2.37		03/11/16 23:37	10061-02-6		
Freon 123	ND	ug/m3	7.5	2.37		03/12/16 12:43	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	8.7	2.37		03/11/16 23:37	123-91-1		
Ethylbenzene	ND	ug/m3	2.1	2.37		03/11/16 23:37	100-41-4		
4-Ethyltoluene	ND	ug/m3	2.4	2.37		03/11/16 23:37	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	25.7	2.37		03/11/16 23:37	87-68-3		
n-Hexane	2.1	ug/m3	1.7	2.37		03/11/16 23:37	110-54-3		
2-Hexanone	ND	ug/m3	9.9	2.37		03/11/16 23:37	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	5.9	2.37		03/11/16 23:37	98-82-8		
Methyl acetate	ND	ug/m3	3.6	2.37		03/12/16 12:43	79-20-9		
Methylcyclohexane	2.2	ug/m3	1.9	2.37		03/11/16 23:37	108-87-2		
Methylene Chloride	ND	ug/m3	8.4	2.37		03/11/16 23:37	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	9.9	2.37		03/11/16 23:37	108-10-1		
Methyl-tert-butyl ether	10.3	ug/m3	8.7	2.37		03/11/16 23:37	1634-04-4		
2-Propanol	ND	ug/m3	5.9	2.37		03/11/16 23:37	67-63-0		
Styrene	ND	ug/m3	2.1	2.37		03/11/16 23:37	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.7	2.37		03/11/16 23:37	79-34-5		
Tetrachloroethene	1870	ug/m3	65.3	94.8		03/31/16 19:01	127-18-4		
Toluene	7.7	ug/m3	1.8	2.37		03/11/16 23:37	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	17.9	2.37		03/11/16 23:37	120-82-1		
1,1,1-Trichloroethane	27.7	ug/m3	2.6	2.37		03/11/16 23:37	71-55-6		
1,1,2-Trichloroethane	43.5	ug/m3	1.3	2.37		03/11/16 23:37	79-00-5		
Trichloroethene	14800	ug/m3	52.1	94.8		03/31/16 19:01	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.7	2.37		03/11/16 23:37	75-69-4		
1,1,2-Trichlorotrifluoroethane	175	ug/m3	3.8	2.37		03/11/16 23:37	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	2.4	2.37		03/11/16 23:37	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	2.4	2.37		03/11/16 23:37	108-67-8		
Vinyl chloride	ND	ug/m3	0.62	2.37		03/11/16 23:37	75-01-4		
m&p-Xylene	ND	ug/m3	4.2	2.37		03/11/16 23:37	179601-23-1		
o-Xylene	ND	ug/m3	2.1	2.37		03/11/16 23:37	95-47-6		

Sample: VP-9_40_20160209		Lab ID: 10338324011		Collected: 02/09/16 22:00		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.8	2.01		03/12/16 16:31	75-37-6	SS	
Acetone	49.5	ug/m3	4.8	2.01		03/12/16 03:48	67-64-1		
Allyl chloride	ND	ug/m3	3.2	2.01		03/12/16 03:48	107-05-1		
Benzene	109	ug/m3	1.3	2.01		03/12/16 03:48	71-43-2		
Bromodichloromethane	ND	ug/m3	6.8	2.01		03/12/16 03:48	75-27-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_40_20160209		Lab ID: 10338324011		Collected: 02/09/16 22:00		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromoform	ND	ug/m3	4.2	2.01		03/12/16 03:48	75-25-2		
Bromomethane	ND	ug/m3	4.0	2.01		03/12/16 03:48	74-83-9		
1,3-Butadiene	ND	ug/m3	2.3	2.01		03/12/16 03:48	106-99-0		
2-Butanone (MEK)	ND	ug/m3	6.0	2.01		03/12/16 03:48	78-93-3		
Carbon disulfide	2.3	ug/m3	1.3	2.01		03/12/16 03:48	75-15-0		
Carbon tetrachloride	48.8	ug/m3	1.3	2.01		03/12/16 03:48	56-23-5		
Chlorobenzene	ND	ug/m3	1.9	2.01		03/12/16 03:48	108-90-7		
Chlorodifluoromethane	175	ug/m3	1.4	2.01		03/12/16 03:48	75-45-6		
Chloroethane	ND	ug/m3	2.7	2.01		03/12/16 03:48	75-00-3		
Chloroform	1730	ug/m3	638	1286.4		03/31/16 18:05	67-66-3		
Chloromethane	4.6	ug/m3	0.84	2.01		03/12/16 03:48	74-87-3		
Chloropentafluoroethane	ND	ug/m3	6.5	2.01		03/12/16 16:31	76-15-3	CL,IC,L2	
Cyclohexane	14.9	ug/m3	1.4	2.01		03/12/16 03:48	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.9	2.01		03/12/16 16:31	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.5	2.01		03/12/16 03:48	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.1	2.01		03/12/16 03:48	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/12/16 03:48	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/12/16 03:48	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/12/16 03:48	106-46-7		
Dichlorodifluoromethane	253	ug/m3	2.0	2.01		03/12/16 03:48	75-71-8		
1,1-Dichloroethane	148	ug/m3	1.6	2.01		03/12/16 03:48	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.82	2.01		03/12/16 03:48	107-06-2		
1,1-Dichloroethene	2000	ug/m3	1040	1286.4		03/31/16 18:05	75-35-4		
cis-1,2-Dichloroethene	193000	ug/m3	1040	1286.4		03/31/16 18:05	156-59-2	E	
trans-1,2-Dichloroethene	477	ug/m3	1.6	2.01		03/12/16 03:48	156-60-5	E	
1,2-Dichloropropane	ND	ug/m3	1.9	2.01		03/12/16 03:48	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.6	2.01		03/12/16 03:48	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.6	2.01		03/12/16 03:48	10061-02-6		
Freon 123	ND	ug/m3	6.4	2.01		03/12/16 16:31	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.4	2.01		03/12/16 03:48	123-91-1		
Ethylbenzene	ND	ug/m3	1.8	2.01		03/12/16 03:48	100-41-4		
4-Ethyltoluene	ND	ug/m3	2.0	2.01		03/12/16 03:48	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	21.8	2.01		03/12/16 03:48	87-68-3		
n-Hexane	47.7	ug/m3	1.4	2.01		03/12/16 03:48	110-54-3		
2-Hexanone	ND	ug/m3	8.4	2.01		03/12/16 03:48	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	5.0	2.01		03/12/16 03:48	98-82-8		
Methyl acetate	ND	ug/m3	3.1	2.01		03/12/16 16:31	79-20-9		
Methylcyclohexane	13.1	ug/m3	1.6	2.01		03/12/16 03:48	108-87-2		
Methylene Chloride	ND	ug/m3	7.1	2.01		03/12/16 03:48	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.4	2.01		03/12/16 03:48	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.4	2.01		03/12/16 03:48	1634-04-4		
2-Propanol	ND	ug/m3	5.0	2.01		03/12/16 03:48	67-63-0		
Styrene	ND	ug/m3	1.7	2.01		03/12/16 03:48	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.4	2.01		03/12/16 03:48	79-34-5		
Tetrachloroethene	126000	ug/m3	886	1286.4		03/31/16 18:05	127-18-4		
Toluene	15.0	ug/m3	1.5	2.01		03/12/16 03:48	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	15.2	2.01		03/12/16 03:48	120-82-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_40_20160209		Lab ID: 10338324011	Collected: 02/09/16 22:00		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	2.2	2.01		03/12/16 03:48	71-55-6	
1,1,2-Trichloroethane	69.1	ug/m3	1.1	2.01		03/12/16 03:48	79-00-5	
Trichloroethene	647000	ug/m3	708	1286.4		03/31/16 18:05	79-01-6	E
Trichlorofluoromethane	312	ug/m3	2.3	2.01		03/12/16 03:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	355000	ug/m3	2060	1286.4		03/31/16 18:05	76-13-1	E
1,2,4-Trimethylbenzene	ND	ug/m3	2.0	2.01		03/12/16 03:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.0	2.01		03/12/16 03:48	108-67-8	
Vinyl chloride	149	ug/m3	0.52	2.01		03/12/16 03:48	75-01-4	
m&p-Xylene	ND	ug/m3	3.6	2.01		03/12/16 03:48	179601-23-1	
o-Xylene	1.8	ug/m3	1.8	2.01		03/12/16 03:48	95-47-6	

Sample: VP-9_50_20160209		Lab ID: 10338324012	Collected: 02/09/16 21:44		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/12/16 19:09	75-37-6	SS
Acetone	13.7	ug/m3	4.2	1.75		03/11/16 20:59	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75		03/11/16 20:59	107-05-1	
Benzene	1.8	ug/m3	1.1	1.75		03/11/16 20:59	71-43-2	
Bromodichloromethane	ND	ug/m3	6.0	1.75		03/11/16 20:59	75-27-4	
Bromoform	ND	ug/m3	3.7	1.75		03/11/16 20:59	75-25-2	
Bromomethane	ND	ug/m3	3.5	1.75		03/11/16 20:59	74-83-9	
1,3-Butadiene	ND	ug/m3	2.0	1.75		03/11/16 20:59	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/11/16 20:59	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.75		03/11/16 20:59	75-15-0	
Carbon tetrachloride	1.9	ug/m3	1.1	1.75		03/11/16 20:59	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		03/11/16 20:59	108-90-7	
Chlorodifluoromethane	27.3	ug/m3	1.3	1.75		03/11/16 20:59	75-45-6	
Chloroethane	ND	ug/m3	2.3	1.75		03/11/16 20:59	75-00-3	
Chloroform	73.0	ug/m3	1.7	1.75		03/11/16 20:59	67-66-3	
Chloromethane	1.7	ug/m3	0.74	1.75		03/11/16 20:59	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/12/16 19:09	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.2	1.75		03/11/16 20:59	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/12/16 19:09	96-12-8	SS
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/11/16 20:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/11/16 20:59	106-93-4	
1,2-Dichlorobenzene	3.2	ug/m3	2.1	1.75		03/11/16 20:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 20:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 20:59	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	1.8	1.75		03/11/16 20:59	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/11/16 20:59	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/11/16 20:59	107-06-2	
1,1-Dichloroethene	15.2	ug/m3	3.5	1.75		03/11/16 20:59	75-35-4	
cis-1,2-Dichloroethene	1740	ug/m3	113	140		03/31/16 20:25	156-59-2	
trans-1,2-Dichloroethene	16.6	ug/m3	1.4	1.75		03/11/16 20:59	156-60-5	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_50_20160209		Lab ID: 10338324012		Collected: 02/09/16 21:44		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/11/16 20:59	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 20:59	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 20:59	10061-02-6		
Freon 123	ND	ug/m3	5.6	1.75		03/12/16 19:09	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/11/16 20:59	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/11/16 20:59	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/11/16 20:59	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/11/16 20:59	87-68-3		
n-Hexane	1.9	ug/m3	1.3	1.75		03/11/16 20:59	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/11/16 20:59	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/11/16 20:59	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/12/16 19:09	79-20-9		
Methylcyclohexane	3.2	ug/m3	1.4	1.75		03/11/16 20:59	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/11/16 20:59	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/11/16 20:59	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/11/16 20:59	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/11/16 20:59	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/11/16 20:59	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/11/16 20:59	79-34-5		
Tetrachloroethene	3990	ug/m3	96.5	140		03/31/16 20:25	127-18-4		
Toluene	13.9	ug/m3	1.3	1.75		03/11/16 20:59	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/11/16 20:59	120-82-1		
1,1,1-Trichloroethane	5.5	ug/m3	1.9	1.75		03/11/16 20:59	71-55-6		
1,1,2-Trichloroethane	5.8	ug/m3	0.96	1.75		03/11/16 20:59	79-00-5		
Trichloroethene	33400	ug/m3	77.0	140		03/31/16 20:25	79-01-6	E	
Trichlorofluoromethane	4.7	ug/m3	2.0	1.75		03/11/16 20:59	75-69-4		
1,1,2-Trichlorotrifluoroethane	408	ug/m3	2.8	1.75		03/11/16 20:59	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 20:59	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 20:59	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/11/16 20:59	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/11/16 20:59	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/11/16 20:59	95-47-6		

Sample: VP-9_60_20160209		Lab ID: 10338324013		Collected: 02/09/16 22:15		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/12/16 14:20	75-37-6	SS	
Acetone	23.4	ug/m3	4.2	1.75		03/12/16 01:44	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/12/16 01:44	107-05-1		
Benzene	2.0	ug/m3	1.1	1.75		03/12/16 01:44	71-43-2		
Bromodichloromethane	ND	ug/m3	6.0	1.75		03/12/16 01:44	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/12/16 01:44	75-25-2		
Bromomethane	ND	ug/m3	3.5	1.75		03/12/16 01:44	74-83-9		
1,3-Butadiene	ND	ug/m3	2.0	1.75		03/12/16 01:44	106-99-0		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_60_20160209		Lab ID: 10338324013		Collected: 02/09/16 22:15		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/12/16 01:44	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/12/16 01:44	75-15-0		
Carbon tetrachloride	1.9	ug/m3	1.1	1.75		03/12/16 01:44	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/12/16 01:44	108-90-7		
Chlorodifluoromethane	103	ug/m3	1.3	1.75		03/12/16 01:44	75-45-6		
Chloroethane	ND	ug/m3	2.3	1.75		03/12/16 01:44	75-00-3		
Chloroform	85.7	ug/m3	1.7	1.75		03/12/16 01:44	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/12/16 01:44	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/12/16 14:20	76-15-3	CL,IC,L2	
Cyclohexane	2.9	ug/m3	1.2	1.75		03/12/16 01:44	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/12/16 14:20	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/12/16 01:44	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/12/16 01:44	106-93-4		
1,2-Dichlorobenzene	3.7	ug/m3	2.1	1.75		03/12/16 01:44	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 01:44	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 01:44	106-46-7		
Dichlorodifluoromethane	2.5	ug/m3	1.8	1.75		03/12/16 01:44	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/12/16 01:44	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/12/16 01:44	107-06-2		
1,1-Dichloroethene	19.2	ug/m3	3.5	1.75		03/12/16 01:44	75-35-4		
cis-1,2-Dichloroethene	2430	ug/m3	227	280		03/31/16 17:37	156-59-2		
trans-1,2-Dichloroethene	21.1	ug/m3	1.4	1.75		03/12/16 01:44	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/12/16 01:44	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/12/16 01:44	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/12/16 01:44	10061-02-6		
Freon 123	ND	ug/m3	5.6	1.75		03/12/16 14:20	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/12/16 01:44	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/12/16 01:44	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/12/16 01:44	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/12/16 01:44	87-68-3		
n-Hexane	3.1	ug/m3	1.3	1.75		03/12/16 01:44	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/12/16 01:44	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/12/16 01:44	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/12/16 14:20	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/12/16 01:44	108-87-2		
Methylene Chloride	9.8	ug/m3	6.2	1.75		03/12/16 01:44	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/12/16 01:44	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/12/16 01:44	1634-04-4		
2-Propanol	8.5	ug/m3	4.4	1.75		03/12/16 01:44	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/12/16 01:44	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/12/16 01:44	79-34-5		
Tetrachloroethene	5840	ug/m3	193	280		03/31/16 17:37	127-18-4		
Toluene	19.6	ug/m3	1.3	1.75		03/12/16 01:44	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/12/16 01:44	120-82-1		
1,1,1-Trichloroethane	7.8	ug/m3	1.9	1.75		03/12/16 01:44	71-55-6		
1,1,2-Trichloroethane	6.2	ug/m3	0.96	1.75		03/12/16 01:44	79-00-5		
Trichloroethene	40000	ug/m3	154	280		03/31/16 17:37	79-01-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-9_60_20160209		Lab ID: 10338324013		Collected: 02/09/16 22:15		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/12/16 01:44	75-69-4		
1,1,2-Trichlorotrifluoroethane	408	ug/m3	2.8	1.75		03/12/16 01:44	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/12/16 01:44	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/12/16 01:44	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/12/16 01:44	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/12/16 01:44	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/12/16 01:44	95-47-6		

Sample: VP-105_5_20160209		Lab ID: 10338324014		Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	13.2	ug/m3	2.6	1.92		03/12/16 18:38	75-37-6	SS	
Acetone	32.9	ug/m3	4.6	1.92		03/11/16 19:24	67-64-1		
Allyl chloride	ND	ug/m3	3.1	1.92		03/11/16 19:24	107-05-1		
Benzene	1.6	ug/m3	1.2	1.92		03/11/16 19:24	71-43-2		
Bromodichloromethane	ND	ug/m3	6.5	1.92		03/11/16 19:24	75-27-4		
Bromoform	ND	ug/m3	4.0	1.92		03/11/16 19:24	75-25-2		
Bromomethane	ND	ug/m3	3.8	1.92		03/11/16 19:24	74-83-9		
1,3-Butadiene	ND	ug/m3	2.2	1.92		03/11/16 19:24	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.8	1.92		03/11/16 19:24	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.92		03/11/16 19:24	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.92		03/11/16 19:24	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.92		03/11/16 19:24	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.4	1.92		03/11/16 19:24	75-45-6		
Chloroethane	ND	ug/m3	2.6	1.92		03/11/16 19:24	75-00-3		
Chloroform	ND	ug/m3	1.9	1.92		03/11/16 19:24	67-66-3		
Chloromethane	1.4	ug/m3	0.81	1.92		03/11/16 19:24	74-87-3		
Chloropentafluoroethane	ND	ug/m3	6.2	1.92		03/12/16 18:38	76-15-3	CL,IC,L2	
Cyclohexane	15.5	ug/m3	1.3	1.92		03/11/16 19:24	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.4	1.92		03/12/16 18:38	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.3	1.92		03/11/16 19:24	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		03/11/16 19:24	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/11/16 19:24	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/11/16 19:24	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/11/16 19:24	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.9	1.92		03/11/16 19:24	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	1.92		03/11/16 19:24	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.79	1.92		03/11/16 19:24	107-06-2		
1,1-Dichloroethene	ND	ug/m3	3.9	1.92		03/11/16 19:24	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/11/16 19:24	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/11/16 19:24	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		03/11/16 19:24	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.4	1.92		03/11/16 19:24	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.4	1.92		03/11/16 19:24	10061-02-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-105_5_20160209		Lab ID: 10338324014		Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Freon 123	ND	ug/m3	6.1	1.92		03/12/16 18:38	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.0	1.92		03/11/16 19:24	123-91-1		
Ethylbenzene	ND	ug/m3	1.7	1.92		03/11/16 19:24	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.9	1.92		03/11/16 19:24	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	20.8	1.92		03/11/16 19:24	87-68-3		
n-Hexane	3.2	ug/m3	1.4	1.92		03/11/16 19:24	110-54-3		
2-Hexanone	ND	ug/m3	8.0	1.92		03/11/16 19:24	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.8	1.92		03/11/16 19:24	98-82-8		
Methyl acetate	ND	ug/m3	3.0	1.92		03/12/16 18:38	79-20-9		
Methylcyclohexane	12.1	ug/m3	1.6	1.92		03/11/16 19:24	108-87-2		
Methylene Chloride	ND	ug/m3	6.8	1.92		03/11/16 19:24	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.0	1.92		03/11/16 19:24	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.92		03/11/16 19:24	1634-04-4		
2-Propanol	8.9	ug/m3	4.8	1.92		03/11/16 19:24	67-63-0		
Styrene	ND	ug/m3	1.7	1.92		03/11/16 19:24	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		03/11/16 19:24	79-34-5		
Tetrachloroethene	1.7	ug/m3	1.3	1.92		03/11/16 19:24	127-18-4	C8	
Toluene	62.0	ug/m3	1.5	1.92		03/11/16 19:24	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	14.5	1.92		03/11/16 19:24	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.92		03/11/16 19:24	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.92		03/11/16 19:24	79-00-5		
Trichloroethene	2.1	ug/m3	1.1	1.92		03/11/16 19:24	79-01-6	C8	
Trichlorofluoromethane	ND	ug/m3	2.2	1.92		03/11/16 19:24	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	1.92		03/11/16 19:24	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/11/16 19:24	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/11/16 19:24	108-67-8		
Vinyl chloride	ND	ug/m3	0.50	1.92		03/11/16 19:24	75-01-4		
m&p-Xylene	3.4	ug/m3	3.4	1.92		03/11/16 19:24	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.92		03/11/16 19:24	95-47-6		

Sample: VP-105_10_20160209		Lab ID: 10338324015		Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15								
1,1-Difluoroethane		17.7	ug/m3	2.4	1.75			03/12/16 17:34	75-37-6	SS
Acetone		14.3	ug/m3	4.2	1.75			03/11/16 19:56	67-64-1	
Allyl chloride		ND	ug/m3	2.8	1.75			03/11/16 19:56	107-05-1	
Benzene		ND	ug/m3	1.1	1.75			03/11/16 19:56	71-43-2	
Bromodichloromethane		ND	ug/m3	6.0	1.75			03/11/16 19:56	75-27-4	
Bromoform		ND	ug/m3	3.7	1.75			03/11/16 19:56	75-25-2	
Bromomethane		ND	ug/m3	3.5	1.75			03/11/16 19:56	74-83-9	
1,3-Butadiene		ND	ug/m3	2.0	1.75			03/11/16 19:56	106-99-0	
2-Butanone (MEK)		ND	ug/m3	5.2	1.75			03/11/16 19:56	78-93-3	
Carbon disulfide		1.6	ug/m3	1.1	1.75			03/11/16 19:56	75-15-0	
Carbon tetrachloride		ND	ug/m3	1.1	1.75			03/11/16 19:56	56-23-5	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-105_10_20160209		Lab ID: 10338324015		Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Chlorobenzene	ND	ug/m3	1.6	1.75		03/11/16 19:56	108-90-7		
Chlorodifluoromethane	4.2	ug/m3	1.3	1.75		03/11/16 19:56	75-45-6		
Chloroethane	ND	ug/m3	2.3	1.75		03/11/16 19:56	75-00-3		
Chloroform	2.1	ug/m3	1.7	1.75		03/11/16 19:56	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/11/16 19:56	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/12/16 17:34	76-15-3	CL,IC,L2	
Cyclohexane	2.4	ug/m3	1.2	1.75		03/11/16 19:56	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/12/16 17:34	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/11/16 19:56	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/11/16 19:56	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 19:56	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 19:56	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/11/16 19:56	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.75		03/11/16 19:56	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/11/16 19:56	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/11/16 19:56	107-06-2		
1,1-Dichloroethene	ND	ug/m3	3.5	1.75		03/11/16 19:56	75-35-4		
cis-1,2-Dichloroethene	4.5	ug/m3	1.4	1.75		03/11/16 19:56	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/11/16 19:56	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/11/16 19:56	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 19:56	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.0	1.75		03/11/16 19:56	10061-02-6		
Freon 123	ND	ug/m3	5.6	1.75		03/12/16 17:34	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/11/16 19:56	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/11/16 19:56	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/11/16 19:56	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/11/16 19:56	87-68-3		
n-Hexane	1.5	ug/m3	1.3	1.75		03/11/16 19:56	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/11/16 19:56	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/11/16 19:56	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/12/16 17:34	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/11/16 19:56	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/11/16 19:56	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/11/16 19:56	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/11/16 19:56	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/11/16 19:56	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/11/16 19:56	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/11/16 19:56	79-34-5		
Tetrachloroethene	68.0	ug/m3	1.2	1.75		03/11/16 19:56	127-18-4		
Toluene	1.9	ug/m3	1.3	1.75		03/11/16 19:56	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/11/16 19:56	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/11/16 19:56	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/11/16 19:56	79-00-5		
Trichloroethene	133	ug/m3	0.96	1.75		03/11/16 19:56	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/11/16 19:56	75-69-4		
1,1,2-Trichlorotrifluoroethane	2.8	ug/m3	2.8	1.75		03/11/16 19:56	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/11/16 19:56	95-63-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-105_10_20160209		Lab ID: 10338324015		Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,3,5-Trimethylbenzene		ND	ug/m3	1.7	1.75		03/11/16 19:56	108-67-8	
Vinyl chloride		ND	ug/m3	0.46	1.75		03/11/16 19:56	75-01-4	
m&p-Xylene		ND	ug/m3	3.1	1.75		03/11/16 19:56	179601-23-1	
o-Xylene		ND	ug/m3	1.5	1.75		03/11/16 19:56	95-47-6	

Sample: VP-105_20_20160209		Lab ID: 10338324016		Collected: 02/09/16 21:43		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	30.2	ug/m3	2.5	1.83		03/12/16 18:06	75-37-6	SS	
Acetone	8.3	ug/m3	4.4	1.83		03/11/16 18:25	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/11/16 18:25	107-05-1		
Benzene	ND	ug/m3	1.2	1.83		03/11/16 18:25	71-43-2		
Bromodichloromethane	ND	ug/m3	6.2	1.83		03/11/16 18:25	75-27-4		
Bromoform	ND	ug/m3	3.8	1.83		03/11/16 18:25	75-25-2		
Bromomethane	ND	ug/m3	3.6	1.83		03/11/16 18:25	74-83-9		
1,3-Butadiene	ND	ug/m3	2.1	1.83		03/11/16 18:25	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/11/16 18:25	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/11/16 18:25	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/11/16 18:25	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/11/16 18:25	108-90-7		
Chlorodifluoromethane	27.0	ug/m3	1.3	1.83		03/11/16 18:25	75-45-6		
Chloroethane	ND	ug/m3	2.5	1.83		03/11/16 18:25	75-00-3		
Chloroform	2.2	ug/m3	1.8	1.83		03/11/16 18:25	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/11/16 18:25	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/12/16 18:06	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/11/16 18:25	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/12/16 18:06	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/11/16 18:25	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/11/16 18:25	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 18:25	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 18:25	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 18:25	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.83		03/11/16 18:25	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/11/16 18:25	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/11/16 18:25	107-06-2		
1,1-Dichloroethene	ND	ug/m3	3.7	1.83		03/11/16 18:25	75-35-4		
cis-1,2-Dichloroethene	10.3	ug/m3	1.5	1.83		03/11/16 18:25	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/11/16 18:25	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/11/16 18:25	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/11/16 18:25	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/11/16 18:25	10061-02-6		
Freon 123	ND	ug/m3	5.8	1.83		03/12/16 18:06	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/11/16 18:25	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/11/16 18:25	100-41-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-105_20_20160209		Lab ID: 10338324016		Collected: 02/09/16 21:43		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/11/16 18:25	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/11/16 18:25	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/11/16 18:25	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/11/16 18:25	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/11/16 18:25	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/12/16 18:06	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/11/16 18:25	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/11/16 18:25	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/11/16 18:25	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/11/16 18:25	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/11/16 18:25	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/11/16 18:25	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/11/16 18:25	79-34-5		
Tetrachloroethene	73.6	ug/m3	1.3	1.83		03/11/16 18:25	127-18-4	C8	
Toluene	2.3	ug/m3	1.4	1.83		03/11/16 18:25	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/11/16 18:25	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/11/16 18:25	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/11/16 18:25	79-00-5		
Trichloroethene	127	ug/m3	1.0	1.83		03/11/16 18:25	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/11/16 18:25	75-69-4		
1,1,2-Trichlorotrifluoroethane	9.0	ug/m3	2.9	1.83		03/11/16 18:25	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/11/16 18:25	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/11/16 18:25	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/11/16 18:25	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/11/16 18:25	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/11/16 18:25	95-47-6		

Sample: VP-105_50_20160209		Lab ID: 10338324017		Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83			03/12/16 12:12	75-37-6	SS
Acetone	11.6	ug/m3	4.4	1.83			03/12/16 00:40	67-64-1	
Allyl chloride	ND	ug/m3	2.9	1.83			03/12/16 00:40	107-05-1	
Benzene	8.6	ug/m3	1.2	1.83			03/12/16 00:40	71-43-2	
Bromodichloromethane	ND	ug/m3	6.2	1.83			03/12/16 00:40	75-27-4	
Bromoform	ND	ug/m3	3.8	1.83			03/12/16 00:40	75-25-2	
Bromomethane	ND	ug/m3	3.6	1.83			03/12/16 00:40	74-83-9	
1,3-Butadiene	ND	ug/m3	2.1	1.83			03/12/16 00:40	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.5	1.83			03/12/16 00:40	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.83			03/12/16 00:40	75-15-0	
Carbon tetrachloride	1.7	ug/m3	1.2	1.83			03/12/16 00:40	56-23-5	
Chlorobenzene	2.8	ug/m3	1.7	1.83			03/12/16 00:40	108-90-7	
Chlorodifluoromethane	140	ug/m3	1.3	1.83			03/12/16 00:40	75-45-6	
Chloroethane	ND	ug/m3	2.5	1.83			03/12/16 00:40	75-00-3	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-105_50_20160209		Lab ID: 10338324017		Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Chloroform	18.4	ug/m3	1.8	1.83		03/12/16 00:40	67-66-3		
Chloromethane	2.2	ug/m3	0.77	1.83		03/12/16 00:40	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/12/16 12:12	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/12/16 00:40	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/12/16 12:12	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/12/16 00:40	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/12/16 00:40	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 00:40	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 00:40	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/12/16 00:40	106-46-7		
Dichlorodifluoromethane	44.0	ug/m3	1.8	1.83		03/12/16 00:40	75-71-8		
1,1-Dichloroethane	2.6	ug/m3	1.5	1.83		03/12/16 00:40	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/12/16 00:40	107-06-2		
1,1-Dichloroethene	12.0	ug/m3	3.7	1.83		03/12/16 00:40	75-35-4		
cis-1,2-Dichloroethene	6630	ug/m3	217	267.91		03/31/16 19:58	156-59-2		
trans-1,2-Dichloroethene	23.3	ug/m3	1.5	1.83		03/12/16 00:40	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/12/16 00:40	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/12/16 00:40	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/12/16 00:40	10061-02-6		
Freon 123	ND	ug/m3	5.8	1.83		03/12/16 12:12	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/12/16 00:40	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/12/16 00:40	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/12/16 00:40	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/12/16 00:40	87-68-3		
n-Hexane	1.6	ug/m3	1.3	1.83		03/12/16 00:40	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/12/16 00:40	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/12/16 00:40	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/12/16 12:12	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/12/16 00:40	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/12/16 00:40	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/12/16 00:40	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/12/16 00:40	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/12/16 00:40	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/12/16 00:40	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/12/16 00:40	79-34-5		
Tetrachloroethene	4590	ug/m3	185	267.91		03/31/16 19:58	127-18-4		
Toluene	4.2	ug/m3	1.4	1.83		03/12/16 00:40	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/12/16 00:40	120-82-1		
1,1,1-Trichloroethane	2.1	ug/m3	2.0	1.83		03/12/16 00:40	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/12/16 00:40	79-00-5		
Trichloroethene	37200	ug/m3	147	267.91		03/31/16 19:58	79-01-6		
Trichlorofluoromethane	53.5	ug/m3	2.1	1.83		03/12/16 00:40	75-69-4		
1,1,2-Trichlorotrifluoroethane	7450	ug/m3	429	267.91		03/31/16 19:58	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/12/16 00:40	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/12/16 00:40	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/12/16 00:40	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/12/16 00:40	179601-23-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-105_50_20160209		Lab ID: 10338324017	Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

TO15 MSV AIR

Analytical Method: TO-15

o-Xylene	ND	ug/m3	1.6	1.83		03/12/16 00:40	95-47-6	
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Sample: VP-105_60_20160209		Lab ID: 10338324018	Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

TO15 MSV AIR

Analytical Method: TO-15

1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/12/16 11:06	75-37-6	SS
Acetone	9.2	ug/m3	4.4	1.83		03/11/16 23:05	67-64-1	
Allyl chloride	ND	ug/m3	2.9	1.83		03/11/16 23:05	107-05-1	
Benzene	2.9	ug/m3	1.2	1.83		03/11/16 23:05	71-43-2	
Bromodichloromethane	ND	ug/m3	6.2	1.83		03/11/16 23:05	75-27-4	
Bromoform	ND	ug/m3	3.8	1.83		03/11/16 23:05	75-25-2	
Bromomethane	ND	ug/m3	3.6	1.83		03/11/16 23:05	74-83-9	
1,3-Butadiene	ND	ug/m3	2.1	1.83		03/11/16 23:05	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/11/16 23:05	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.83		03/11/16 23:05	75-15-0	
Carbon tetrachloride	1.6	ug/m3	1.2	1.83		03/11/16 23:05	56-23-5	
Chlorobenzene	5.1	ug/m3	1.7	1.83		03/11/16 23:05	108-90-7	
Chlorodifluoromethane	109	ug/m3	1.3	1.83		03/11/16 23:05	75-45-6	
Chloroethane	ND	ug/m3	2.5	1.83		03/11/16 23:05	75-00-3	
Chloroform	16.9	ug/m3	1.8	1.83		03/11/16 23:05	67-66-3	
Chloromethane	ND	ug/m3	0.77	1.83		03/11/16 23:05	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/12/16 11:06	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.3	1.83		03/11/16 23:05	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/12/16 11:06	96-12-8	SS
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/11/16 23:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/11/16 23:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 23:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 23:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/11/16 23:05	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.83		03/11/16 23:05	75-71-8	
1,1-Dichloroethane	1.6	ug/m3	1.5	1.83		03/11/16 23:05	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/11/16 23:05	107-06-2	
1,1-Dichloroethene	8.8	ug/m3	3.7	1.83		03/11/16 23:05	75-35-4	
cis-1,2-Dichloroethene	2980	ug/m3	217	267.91		03/31/16 20:53	156-59-2	
trans-1,2-Dichloroethene	12.6	ug/m3	1.5	1.83		03/11/16 23:05	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/11/16 23:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/11/16 23:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.2	1.83		03/11/16 23:05	10061-02-6	
Freon 123	ND	ug/m3	5.8	1.83		03/12/16 11:06	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/11/16 23:05	123-91-1	
Ethylbenzene	ND	ug/m3	1.6	1.83		03/11/16 23:05	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/11/16 23:05	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/11/16 23:05	87-68-3	
n-Hexane	1.7	ug/m3	1.3	1.83		03/11/16 23:05	110-54-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-105_60_20160209		Lab ID: 10338324018		Collected: 02/09/16 21:39		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Hexanone	ND	ug/m3	7.6	1.83		03/11/16 23:05	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/11/16 23:05	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/12/16 11:06	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/11/16 23:05	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/11/16 23:05	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/11/16 23:05	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/11/16 23:05	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/11/16 23:05	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/11/16 23:05	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/11/16 23:05	79-34-5		
Tetrachloroethene	4800	ug/m3	185	267.91		03/31/16 20:53	127-18-4		
Toluene	2.9	ug/m3	1.4	1.83		03/11/16 23:05	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/11/16 23:05	120-82-1		
1,1,1-Trichloroethane	2.1	ug/m3	2.0	1.83		03/11/16 23:05	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/11/16 23:05	79-00-5		
Trichloroethene	40500	ug/m3	147	267.91		03/31/16 20:53	79-01-6		
Trichlorofluoromethane	53.0	ug/m3	2.1	1.83		03/11/16 23:05	75-69-4		
1,1,2-Trichlorotrifluoroethane	237	ug/m3	2.9	1.83		03/11/16 23:05	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/11/16 23:05	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/11/16 23:05	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/11/16 23:05	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/11/16 23:05	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/11/16 23:05	95-47-6		

Sample: VP-105_72_20160209		Lab ID: 10338324019		Collected: 02/09/16 23:08		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	1.8	1.34		03/12/16 13:48	75-37-6	SS	
Acetone	21.5	ug/m3	3.2	1.34		03/11/16 15:45	67-64-1		
Allyl chloride	ND	ug/m3	2.1	1.34		03/11/16 15:45	107-05-1		
Benzene	1.6	ug/m3	0.87	1.34		03/11/16 15:45	71-43-2		
Bromodichloromethane	ND	ug/m3	4.6	1.34		03/11/16 15:45	75-27-4		
Bromoform	ND	ug/m3	2.8	1.34		03/11/16 15:45	75-25-2		
Bromomethane	ND	ug/m3	2.6	1.34		03/11/16 15:45	74-83-9		
1,3-Butadiene	ND	ug/m3	1.5	1.34		03/11/16 15:45	106-99-0		
2-Butanone (MEK)	9.4	ug/m3	4.0	1.34		03/11/16 15:45	78-93-3		
Carbon disulfide	1.8	ug/m3	0.84	1.34		03/11/16 15:45	75-15-0		
Carbon tetrachloride	0.91	ug/m3	0.86	1.34		03/11/16 15:45	56-23-5		
Chlorobenzene	2.3	ug/m3	1.3	1.34		03/11/16 15:45	108-90-7		
Chlorodifluoromethane	107	ug/m3	0.96	1.34		03/11/16 15:45	75-45-6		
Chloroethane	ND	ug/m3	1.8	1.34		03/11/16 15:45	75-00-3		
Chloroform	8.6	ug/m3	1.3	1.34		03/11/16 15:45	67-66-3		
Chloromethane	ND	ug/m3	0.56	1.34		03/11/16 15:45	74-87-3		
Chloropentafluoroethane	ND	ug/m3	4.3	1.34		03/12/16 13:48	76-15-3		
									CL,IC,L2

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Sample: VP-105_72_20160209		Lab ID: 10338324019		Collected: 02/09/16 23:08		Received: 02/11/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Cyclohexane	ND	ug/m3	0.94	1.34		03/11/16 15:45	110-82-7	SS	
1,2-Dibromo-3-chloropropane	ND	ug/m3	6.6	1.34		03/12/16 13:48	96-12-8		
Dibromochloromethane	ND	ug/m3	2.3	1.34		03/11/16 15:45	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		03/11/16 15:45	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.6	1.34		03/11/16 15:45	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.6	1.34		03/11/16 15:45	541-73-1		
1,4-Dichlorobenzene	40.3	ug/m3	1.6	1.34		03/11/16 15:45	106-46-7		
Dichlorodifluoromethane	5.8	ug/m3	1.4	1.34		03/11/16 15:45	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.1	1.34		03/11/16 15:45	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.55	1.34		03/11/16 15:45	107-06-2		
1,1-Dichloroethene	ND	ug/m3	2.7	1.34		03/11/16 15:45	75-35-4		
cis-1,2-Dichloroethene	254	ug/m3	43.4	53.6		03/31/16 18:33	156-59-2		
trans-1,2-Dichloroethene	6.1	ug/m3	1.1	1.34		03/11/16 15:45	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		03/11/16 15:45	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	3.1	1.34		03/11/16 15:45	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	3.1	1.34		03/11/16 15:45	10061-02-6		
Freon 123	ND	ug/m3	4.3	1.34		03/12/16 13:48	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	4.9	1.34		03/11/16 15:45	123-91-1		
Ethylbenzene	ND	ug/m3	1.2	1.34		03/11/16 15:45	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.3	1.34		03/11/16 15:45	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	14.5	1.34		03/11/16 15:45	87-68-3		
n-Hexane	2.0	ug/m3	0.96	1.34		03/11/16 15:45	110-54-3		
2-Hexanone	ND	ug/m3	5.6	1.34		03/11/16 15:45	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	3.4	1.34		03/11/16 15:45	98-82-8		
Methyl acetate	ND	ug/m3	2.1	1.34		03/12/16 13:48	79-20-9		
Methylcyclohexane	ND	ug/m3	1.1	1.34		03/11/16 15:45	108-87-2		
Methylene Chloride	ND	ug/m3	4.7	1.34		03/11/16 15:45	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.6	1.34		03/11/16 15:45	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	4.9	1.34		03/11/16 15:45	1634-04-4		
2-Propanol	ND	ug/m3	3.4	1.34		03/11/16 15:45	67-63-0		
Styrene	ND	ug/m3	1.2	1.34		03/11/16 15:45	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.94	1.34		03/11/16 15:45	79-34-5		
Tetrachloroethene	1520	ug/m3	36.9	53.6		03/31/16 18:33	127-18-4		
Toluene	1.6	ug/m3	1.0	1.34		03/11/16 15:45	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	10.1	1.34		03/11/16 15:45	120-82-1		
1,1,1-Trichloroethane	2.1	ug/m3	1.5	1.34		03/11/16 15:45	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.74	1.34		03/11/16 15:45	79-00-5		
Trichloroethene	5960	ug/m3	29.5	53.6		03/31/16 18:33	79-01-6		
Trichlorofluoromethane	62.3	ug/m3	1.5	1.34		03/11/16 15:45	75-69-4		
1,1,2-Trichlorotrifluoroethane	228	ug/m3	2.1	1.34		03/11/16 15:45	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.3	1.34		03/11/16 15:45	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.3	1.34		03/11/16 15:45	108-67-8		
Vinyl chloride	ND	ug/m3	0.35	1.34		03/11/16 15:45	75-01-4		
m&p-Xylene	ND	ug/m3	2.4	1.34		03/11/16 15:45	179601-23-1		
o-Xylene	ND	ug/m3	1.2	1.34		03/11/16 15:45	95-47-6		

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Appendix C

Support Documentation

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10338324

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-9_10_20160209	ACETONE	5.9	VP-9_10_20160209DUP	ACETONE	14.8	85.99	8.9	4.2
	CHLORODIFLUOROMETHANE	44.7		CHLORODIFLUOROMETHANE	42.5	5.05	2.2	1.3
	DICHLORODIFLUOROMETHANE	2.6		DICHLORODIFLUOROMETHANE	2.2	16.67	0.4	1.8
	HEXANE	1.3 U		HEXANE	1.5	NA	0.2	1.3
	TETRACHLOROETHENE	6.7		TETRACHLOROETHENE	6.7	0.00	0	1.2
	TRICHLOROETHENE	18.9		TRICHLOROETHENE	20.1	6.15	1.2	0.96

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10338324

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		23788		Page: 1 of 2	
Company: <u>Tetra Tech</u>		Report To: <u>KEITH McDERMOTT</u>		Attention:		Program		<input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act	
Address: <u>295 RT 226, SUITE 104E</u>		Copy To:		Company Name:		<input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other			
Location: <u>WHITEHOUSE STATION, NJ 08099</u>		Purchase Order No.:		Address:		Location of		Reporting Units	
Email To: <u>KEITH.MCDERMOTT@TETRA TECH.COM</u>		Project Name: <u>LML GREAT NECK</u>		Pace Quote Reference:		Sampling by State <u>NY</u>		<input checked="" type="checkbox"/> ug/m ³ <input type="checkbox"/> mg/m ³	
Phone: <u>908-534-2303</u> Fax:		Project Number: <u>117-0507644</u>		Pace Project Manager/Sales Rep.		Report Level: <u>II</u> <u>III</u> <u>IV</u> Other		<input type="checkbox"/> PPBV <input type="checkbox"/> PPMV	
Requested Due Date/TAT:				Pace Profile #:				Other	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA Tedlar Bag 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other	CODE TB 1LC 6LC LVP HVP PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:											Pace Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						COMPOSITE START END/GRAB		COMPOSITE -						PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO-15 Short List*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
						DATE	TIME	DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Comments :

* MODIFIED COL LIST

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
[Signature] Tetra Tech		2/10/16	1035	[Signature] Pace		2/10/16	1035	Temp	Y/N	Y/N	Y/N
[Signature]		2/10/16	1100	[Signature]		2/11/15	1000	Received on Ice	Y/N	Y/N	Y/N
								Custody Sealed Cooler	Y/N	Y/N	Y/N
								Samples Intact	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY)

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact

ORIGINAL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

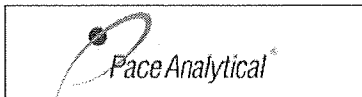
10338324

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		23789		Page: 2 of 2	
Company: <u>TERRA TECH</u>		Report To: <u>KEITH McDermott</u>		Attention:		Program			
Address: <u>295 Rt 22E, Suite 104E</u>		Copy To:		Company Name:		<input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act			
<u>WAREHOUSE STATION, NJ 08809</u>				Address:		<input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other			
Email To: <u>KEITH.MCDERMOTT@TERRATECH.COM</u>		Purchase Order No.:		Pace Quote Reference:		Location of Sampling by State <u>NY</u>		Reporting Units ug/m ³ <input checked="" type="checkbox"/> mg/m ³ <input type="checkbox"/> PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/>	
Phone: _____ Fax: _____		Project Name: <u>LOW GROW NEXUS</u>		Pace Project Manager/Sales Rep.		Report Level: II. ___ III. ___ IV. ___ Other ___			
Requested Due Date/TAT:		Project Number: <u>117-0507644</u>		Pace Profile #:					

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE		Valid Media Codes		MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number				Method:										Pace Lab ID
			MEDIA	CODE														Method:										
			Tedlar Bag	TB			PM10	3C Fixed Gas (%)	TO-3	TO-3M (Methane)				TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO-15 Short List*										
			1 Liter Summa Can	1LC																								
6 Liter Summa Can	6LC																											
Low Volume Puff	LVP																											
High Volume Puff	HVP																											
Other	PM10																											
COMPOSITE START		COMPOSITE -																										
END/GRAB																												
DATE	TIME	DATE	TIME																									
1	VP-9_60_20160209	6LC	2/9/16 1905	2/9/16 2215	-30	-8.5	1524	0187															X			013		
2	VP-105_5_20160209	6LC	2/9/16 1845	2/9/16 2139	-28.5	-8	0629	0177															X			014		
3	VP-105_10_20160209	6LC	2/9/16 1845	2/9/16 2139	-30	-7.5	1188	0048															X			015		
4	VP-105_20_20160209	6LC	2/9/16 1845	2/9/16 2143	-29	-8.5	2040	0057															X			016		
5	VP-105_50_20160209	6LC	2/9/16 1845	2/9/16 2139	-29	-8	0954	0054															X			017		
6	VP-105_60_20160209	6LC	2/9/16 1845	2/9/16 2139	-28	-8	2115	0355															X			018		
7	VP-105_72_20160209	6LC	2/9/16 1845	2/9/16 2308	-30	-14	2184	0040															X			019		
8																										020		
9																										021		
10																												
11																												
12																												

Comments: * MODIFIED LOC LIST		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS			
		[Signature] TERRA TECH		2/10/16		1035		[Signature]		2/10/16		1035		Y/N Y/N Y/N Y/N			
		[Signature]		2/10/16		1100		[Signature]		2/11/16		1000		Y/N Y/N Y/N Y/N			
														Y/N Y/N Y/N Y/N			
														Y/N Y/N Y/N Y/N			
SAMPLER NAME AND SIGNATURE										Temp in °C		Received on Ice		Custody Sealed Cooler		Samples Intact	
PRINT Name of SAMPLER: <u>Jon Brink, Roy Wagner, Chris Evers</u>																	
SIGNATURE of SAMPLER: [Signature]										DATE Signed (MM/DD/YY): <u>2/7/16</u>							

ORIGINAL

	Document Name: Air Sample Condition Upon Receipt	Document Revised: 29 June 2015 Page 1 of 1
	Document No.: F-MN-A-106-rev.10	Issuing Authority: Pace Minnesota Quality Office

**Air Sample Condition
Upon Receipt**

Client Name:

Project #:

WO#: 10338324



Courier: ☐ Fed Ex ☐ UPS ☐ Speedee ☐ Client
☐ Commercial ☐ Pace ☐ Other: _____

Tracking Number: See exceptions

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): AMB Corrected Temp (°C): _____

Thermom. Used: ☐ B88A912167504 ☐ 72337080
☐ B88A9132521491 ☐ 80512447

Temp should be above freezing to 6°C Correction Factor: _____

Date & Initials of Person Examining Contents: MS 2/11/16

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. VP-105-32 missing from COC

Samples Received:					
Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
VP-5-5	PACE 2048	FC 0091	VP-9-40	PACE 0066	FC 0075
VP-5-10	PACE 1233	FC 0035	VP-9-50	PACE 0515	FC 0422
VP-5-20	PACE 2385	FC 0025	VP-9-60	PACE 1529	FC 0187
VP-5-30	PACE 1279	FC 0134	VP-105-5	PACE 0629	FC 0179
VP-5-40	PACE 2697	FC 0438	VP-105-10	PACE 1188	FC 0048
VP-5-50	PACE 2128	FC 0131	VP-105-20	PACE 2040	FC 0057
VP-9-10	PACE 2748	FC 0412	VP-105-50	PACE 0954	FC 0054
VP-9-10 Dup	PACE 1212	FC 0199	VP-105-60	PACE 2115	FC 0355
VP-9-20	PACE 2756	FC 0045	VP-105-70	PACE 2184	FC 0040
VP-9-30	PACE 0595	FC 0178	VP-105-32	PACE 0273	FC 0170

"Bad" unused ~~1~~

PACE 2692 FC 0079
Field Data Required? ☐ Yes ☐ No

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Keith M.

Date/Time: 02/11/16

Comments/Resolution:

Do not analyze "VP-105-32"

Project Manager Review:

(Signature)

Date:

02/11/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

General Information:

19 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

- VP-105_10_20160209 (Lab ID: 10338324015)
- VP-105_20_20160209 (Lab ID: 10338324016)
- VP-105_50_20160209 (Lab ID: 10338324017)
- VP-105_5_20160209 (Lab ID: 10338324014)
- VP-105_60_20160209 (Lab ID: 10338324018)
- VP-105_72_20160209 (Lab ID: 10338324019)
- VP-9_10_20160209 (Lab ID: 10338324007)
- VP-9_10_20160209DUP (Lab ID: 10338324008)
- VP-9_20_20160209 (Lab ID: 10338324009)
- VP-9_30_20160209 (Lab ID: 10338324010)
- VP-9_40_20160209 (Lab ID: 10338324011)
- VP-9_50_20160209 (Lab ID: 10338324012)
- VP-9_60_20160209 (Lab ID: 10338324013)
- VP-NYSDEC-5_10_20160209 (Lab ID: 10338324002)
- VP-NYSDEC-5_20_20160219 (Lab ID: 10338324003)
- VP-NYSDEC-5_30_20160209 (Lab ID: 10338324004)
- VP-NYSDEC-5_40_20160209 (Lab ID: 10338324005)
- VP-NYSDEC-5_50_20160209 (Lab ID: 10338324006)
- VP-NYSDEC-5_5_20160209 (Lab ID: 10338324001)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25420

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 2208413)
 - Chloropentafluoroethane
- LCS (Lab ID: 2208414)
 - Chloropentafluoroethane
- VP-105_10_20160209 (Lab ID: 10338324015)
 - Chloropentafluoroethane
- VP-105_20_20160209 (Lab ID: 10338324016)
 - Chloropentafluoroethane
- VP-105_50_20160209 (Lab ID: 10338324017)
 - Chloropentafluoroethane
- VP-105_5_20160209 (Lab ID: 10338324014)
 - Chloropentafluoroethane
- VP-105_60_20160209 (Lab ID: 10338324018)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25420

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- Chloropentafluoroethane
- VP-105_72_20160209 (Lab ID: 10338324019)
- Chloropentafluoroethane
- VP-9_10_20160209 (Lab ID: 10338324007)
- Chloropentafluoroethane
- VP-9_20_20160209 (Lab ID: 10338324009)
- Chloropentafluoroethane
- VP-9_30_20160209 (Lab ID: 10338324010)
- Chloropentafluoroethane
- VP-9_40_20160209 (Lab ID: 10338324011)
- Chloropentafluoroethane
- VP-9_50_20160209 (Lab ID: 10338324012)
- Chloropentafluoroethane
- VP-9_60_20160209 (Lab ID: 10338324013)
- Chloropentafluoroethane
- VP-NYSDEC-5_10_20160209 (Lab ID: 10338324002)
- Chloropentafluoroethane
- VP-NYSDEC-5_20_20160219 (Lab ID: 10338324003)
- Chloropentafluoroethane
- VP-NYSDEC-5_30_20160209 (Lab ID: 10338324004)
- Chloropentafluoroethane
- VP-NYSDEC-5_40_20160209 (Lab ID: 10338324005)
- Chloropentafluoroethane
- VP-NYSDEC-5_50_20160209 (Lab ID: 10338324006)
- Chloropentafluoroethane
- VP-NYSDEC-5_5_20160209 (Lab ID: 10338324001)
- Chloropentafluoroethane

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- BLANK (Lab ID: 2208413)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- LCS (Lab ID: 2208414)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-105_10_20160209 (Lab ID: 10338324015)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-105_20_20160209 (Lab ID: 10338324016)
 - 1,1-Difluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25420

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,2-Dibromo-3-chloropropane
- Freon 123
- VP-105_50_20160209 (Lab ID: 10338324017)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-105_5_20160209 (Lab ID: 10338324014)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-105_60_20160209 (Lab ID: 10338324018)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-105_72_20160209 (Lab ID: 10338324019)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-9_10_20160209 (Lab ID: 10338324007)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-9_10_20160209DUP (Lab ID: 10338324008)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-9_20_20160209 (Lab ID: 10338324009)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-9_30_20160209 (Lab ID: 10338324010)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-9_40_20160209 (Lab ID: 10338324011)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-9_50_20160209 (Lab ID: 10338324012)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25420

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- VP-9_60_20160209 (Lab ID: 10338324013)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-NYSDEC-5_10_20160209 (Lab ID: 10338324002)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-NYSDEC-5_20_20160219 (Lab ID: 10338324003)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-NYSDEC-5_30_20160209 (Lab ID: 10338324004)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-NYSDEC-5_40_20160209 (Lab ID: 10338324005)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-NYSDEC-5_50_20160209 (Lab ID: 10338324006)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123
- VP-NYSDEC-5_5_20160209 (Lab ID: 10338324001)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Freon 123

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25420

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 2208414)
 - 2-Hexanone
 - Bromoform
 - Dibromochloromethane

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 2208413)
 - Chloropentafluoroethane
- LCS (Lab ID: 2208414)
 - Chloropentafluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25420

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- VP-105_10_20160209 (Lab ID: 10338324015)
 - Chloropentafluoroethane
- VP-105_20_20160209 (Lab ID: 10338324016)
 - Chloropentafluoroethane
- VP-105_50_20160209 (Lab ID: 10338324017)
 - Chloropentafluoroethane
- VP-105_5_20160209 (Lab ID: 10338324014)
 - Chloropentafluoroethane
- VP-105_60_20160209 (Lab ID: 10338324018)
 - Chloropentafluoroethane
- VP-105_72_20160209 (Lab ID: 10338324019)
 - Chloropentafluoroethane
- VP-9_10_20160209 (Lab ID: 10338324007)
 - Chloropentafluoroethane
- VP-9_10_20160209DUP (Lab ID: 10338324008)
 - Chloropentafluoroethane
- VP-9_20_20160209 (Lab ID: 10338324009)
 - Chloropentafluoroethane
- VP-9_30_20160209 (Lab ID: 10338324010)
 - Chloropentafluoroethane
- VP-9_40_20160209 (Lab ID: 10338324011)
 - Chloropentafluoroethane
- VP-9_50_20160209 (Lab ID: 10338324012)
 - Chloropentafluoroethane
- VP-9_60_20160209 (Lab ID: 10338324013)
 - Chloropentafluoroethane
- VP-NYSDEC-5_10_20160209 (Lab ID: 10338324002)
 - Chloropentafluoroethane
- VP-NYSDEC-5_20_20160219 (Lab ID: 10338324003)
 - Chloropentafluoroethane
- VP-NYSDEC-5_30_20160209 (Lab ID: 10338324004)
 - Chloropentafluoroethane
- VP-NYSDEC-5_40_20160209 (Lab ID: 10338324005)
 - Chloropentafluoroethane
- VP-NYSDEC-5_50_20160209 (Lab ID: 10338324006)
 - Chloropentafluoroethane
- VP-NYSDEC-5_5_20160209 (Lab ID: 10338324001)
 - Chloropentafluoroethane

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25420

IQ: The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

- VP-105_72_20160209 (Lab ID: 10338324019)
- VP-9_40_20160209 (Lab ID: 10338324011)
- VP-NYSDEC-5_30_20160209 (Lab ID: 10338324004)
- VP-NYSDEC-5_40_20160209 (Lab ID: 10338324005)
- VP-NYSDEC-5_50_20160209 (Lab ID: 10338324006)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: AIR/25420

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 2208414)
 - Bromoform
 - Chloropentafluoroethane

Additional Comments:

Analyte Comments:

QC Batch: AIR/25420

C8: Result may be biased high due to carryover from previously analyzed sample.

- VP-105_20_20160209 (Lab ID: 10338324016)
 - Tetrachloroethene
- VP-105_5_20160209 (Lab ID: 10338324014)
 - Tetrachloroethene
 - Trichloroethene
- VP-9_10_20160209DUP (Lab ID: 10338324008)
 - Tetrachloroethene
 - Trichloroethene
- VP-NYSDEC-5_10_20160209 (Lab ID: 10338324002)
 - Tetrachloroethene
 - Trichloroethene
- VP-NYSDEC-5_5_20160209 (Lab ID: 10338324001)
 - Tetrachloroethene
 - Trichloroethene

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- VP-9_40_20160209 (Lab ID: 10338324011)
 - cis-1,2-Dichloroethene
 - trans-1,2-Dichloroethene
 - 1,1,2-Trichlorotrifluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

Analyte Comments:

QC Batch: AIR/25420

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- VP-9_40_20160209 (Lab ID: 10338324011)
 - Trichloroethene
- VP-9_50_20160209 (Lab ID: 10338324012)
 - Trichloroethene
- VP-NYSDEC-5_10_20160209 (Lab ID: 10338324002)
 - 1,1-Difluoroethane
 - Chlorodifluoromethane
- VP-NYSDEC-5_30_20160209 (Lab ID: 10338324004)
 - Trichloroethene
- VP-NYSDEC-5_40_20160209 (Lab ID: 10338324005)
 - Trichloroethene
- VP-NYSDEC-5_50_20160209 (Lab ID: 10338324006)
 - Trichloroethene

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10338324004

- [1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

Sample: 10338324005

- [1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

Sample: 10338324006

- [1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

Sample: 10338324011

- [1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

- [2] Results confirmed by second analysis.

Sample: 10338324019

- [1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

- [2] Results confirmed by second analysis.

ANALYTE QUALIFIERS

C8 Result may be biased high due to carryover from previously analyzed sample.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

ANALYTE QUALIFIERS

- | | |
|----|--|
| E | Analyte concentration exceeded the calibration range. The reported result is estimated. |
| IC | The initial calibration for this compound was outside of method control limits. The result is estimated. |
| L0 | Analyte recovery in the laboratory control sample (LCS) was outside QC limits. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low. |
| SS | This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value. |

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10338324001	VP-NYSDEC-5_5_20160209	Air	02/09/16 21:12	02/11/16 10:00
10338324002	VP-NYSDEC-5_10_20160209	Air	02/09/16 21:27	02/11/16 10:00
10338324003	VP-NYSDEC-5_20_20160219	Air	02/09/16 21:07	02/11/16 10:00
10338324004	VP-NYSDEC-5_30_20160209	Air	02/09/16 21:12	02/11/16 10:00
10338324005	VP-NYSDEC-5_40_20160209	Air	02/09/16 20:28	02/11/16 10:00
10338324006	VP-NYSDEC-5_50_20160209	Air	02/09/16 21:07	02/11/16 10:00
10338324007	VP-9_10_20160209	Air	02/09/16 21:15	02/11/16 10:00
10338324008	VP-9_10_20160209DUP	Air	02/09/16 21:51	02/11/16 10:00
10338324009	VP-9_20_20160209	Air	02/09/16 22:00	02/11/16 10:00
10338324010	VP-9_30_20160209	Air	02/09/16 23:13	02/11/16 10:00
10338324011	VP-9_40_20160209	Air	02/09/16 22:00	02/11/16 10:00
10338324012	VP-9_50_20160209	Air	02/09/16 21:44	02/11/16 10:00
10338324013	VP-9_60_20160209	Air	02/09/16 22:15	02/11/16 10:00
10338324014	VP-105_5_20160209	Air	02/09/16 21:39	02/11/16 10:00
10338324015	VP-105_10_20160209	Air	02/09/16 21:39	02/11/16 10:00
10338324016	VP-105_20_20160209	Air	02/09/16 21:43	02/11/16 10:00
10338324017	VP-105_50_20160209	Air	02/09/16 21:39	02/11/16 10:00
10338324018	VP-105_60_20160209	Air	02/09/16 21:39	02/11/16 10:00
10338324019	VP-105_72_20160209	Air	02/09/16 23:08	02/11/16 10:00
10338324020	VP-105_32_20160209	Air		02/11/16 10:00
10338324021	Unused Can#2692	Air		02/11/16 10:00

REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/08/2016
Lab File ID (Standard): 06807.D Time Analyzed: 13:01
Instrument ID: 10AIR0 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	4800739	4.650	2162318	7.595
UPPER LIMIT	6721035	5.150	3027245	8.095
LOWER LIMIT	2880443	4.150	1297391	7.095
EPA SAMPLE NO.				
BLANK for HBN 404595 [AIR/2542]	2765328 *	4.648	1310172	7.568
LCS for HBN 404595 [AIR/25420]	3134075	4.646	1577371	7.588
VP-NYSDEC-5_5_20160209	3298152	4.658	1654429	7.571
VP-NYSDEC-5_10_20160209	3274069	4.653	1660453	7.568
VP-NYSDEC-5_20_20160219	3197835	4.665	1595690	7.571
VP-NYSDEC-5_30_20160209	2476104 *	4.696	1550891	7.593
VP-NYSDEC-5_40_20160209	3175777	4.655	1528247	7.571
VP-NYSDEC-5_50_20160209	3100148	4.725	1533870	7.607
VP-9_10_20160209	2969211	4.650	1445186	7.569
VP-9_10_20160209DUP	2725821 *	4.653	1335074	7.568
VP-9_20_20160209	3237821	4.655	1672603	7.571
VP-9_30_20160209	3338781	4.677	1700997	7.578
VP-9_40_20160209	2586397 *	4.718	1377346	7.619
VP-9_50_20160209	3206960	4.684	1617861	7.583
VP-9_60_20160209	3122342	4.689	1705949	7.583
VP-105_5_20160209	3255403	4.658	1576302	7.571
VP-105_10_20160209	3150727	4.657	1571253	7.571
VP-105_20_20160209	3311814	4.655	1583993	7.571
VP-105_50_20160209	3377752	4.684	1757615	7.583
VP-105_60_20160209	3145438	4.681	1649043	7.580
VP-105_72_20160209	3175799	4.674	1643105	7.578
VP-105_32_20160209	2950785	4.708	1418479	7.607

Chloropentafluoroethane, Freon 123, 1,1-difluoroethane, and methyl acetate only

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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Data File: \\192.168.10.12\chem\10air0.i\030816.b\06803.D
Report Date: 15-Mar-2016 12:14

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10air0.i\030816.b\06803.D
Lab Smp Id: CAL1
Inj Date : 08-MAR-2016 11:01
Operator : RTP
Smp Info :
Misc Info :
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10air0.i\030816.b\TO15cust_068-16.m
Meth Date : 15-Mar-2016 12:14 10air0.i Quant Type: ISTD
Cal Date : 08-MAR-2016 11:01 Cal File: 06803.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
	MASS						(ppbv)	(ppbv)	
1 Chloropentafluoroethane	85		2.271	2.271	(0.488)	6613	0.10000	0.236	
2 1,1-Difluoroethane	51		2.323	2.323	(0.499)	17170	0.10000	0.121(a)	
3 Freon 123	83		2.823	2.823	(0.606)	26611	0.10000	0.100(aM)	
4 Methyl Acetate	43		3.125	3.125	(0.671)	19805	0.10000	0.112(a)	
\$ 5 Hexane-d14(S)	66		Compound Not Detected.						
* 6 1,4-Difluorobenzene	114		4.655	4.655	(1.000)	4614308	10.0000		
\$ 7 Toluene-d8 (S)	98		Compound Not Detected.						
* 8 Chlorobenzene - d5	117		7.580	7.580	(1.000)	1651738	10.0000		
\$ 9 1,4-dichlorobenzene-d4 (S)	150		Compound Not Detected.						
10 1,2-Dibromo-3-chloropropane	157		12.054	12.054	(2.590)	1622	0.10000	0.174(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/30/2016
Lab File ID (Standard): 09006.D Time Analyzed: 11:40
Instrument ID: 10AIR0 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	5878076	4.675	2498334	7.580
UPPER LIMIT	8229306	5.175	3497668	8.080
LOWER LIMIT	3526846	4.175	1499000	7.080
EPA SAMPLE NO.				
VP-NYSDEC-5_20_20160219	4347029	4.650	1572274	7.569
VP-NYSDEC-5_30_20160209	5658780	4.664	2376644	7.574
VP-NYSDEC-5_40_20160209	5835368	4.669	2439079	7.574
VP-NYSDEC-5_50_20160209	5850067	4.667	2226391	7.574
VP-9_20_20160209	5131504	4.664	1896906	7.574
VP-9_30_20160209	5166064	4.661	1968798	7.572
VP-9_40_20160209	5424458	4.664	2097628	7.574
VP-9_50_20160209	4785958	4.661	1806022	7.572
VP-9_60_20160209	5706831	4.656	2083185	7.572
VP-105_50_20160209	4926687	4.658	1843245	7.574
VP-105_60_20160209	4721981	4.661	1749799	7.575
VP-105_72_20160209	5243561	4.664	1967501	7.574

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/09/2016
Lab File ID (Standard): 06910.D Time Analyzed: 11:32
Instrument ID: 10AIRB Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	503327	5.581	399310	8.642
UPPER LIMIT	704658	6.081	559034	9.142
LOWER LIMIT	301996	5.081	239586	8.142
EPA SAMPLE NO.				
BLANK for HBN 404595 [AIR/2542]	373616	5.545	226625 *	8.629
LCS for HBN 404595 [AIR/25420]	379663	5.575	244409	8.642
VP-NYSDEC-5_5_20160209	481734	5.557	295999	8.636
VP-NYSDEC-5_10_20160209	479071	5.557	295598	8.629
VP-NYSDEC-5_20_20160219	487054	5.563	300435	8.636
VP-NYSDEC-5_30_20160209	447016	5.612	214295 *	8.660
VP-NYSDEC-5_40_20160209	384364	5.624	177503 *	8.678
VP-NYSDEC-5_50_20160209	493003	5.642	205565 *	8.690
VP-9_10_20160209	473675	5.545	289324	8.629
VP-9_10_20160209DUP	501560	5.551	309629	8.629
VP-9_20_20160209	472073	5.563	291398	8.635
VP-9_30_20160209	458763	5.581	270279	8.642
VP-9_40_20160209	295309 *	5.636	164338 *	8.703
VP-9_50_20160209	478966	5.599	268286	8.648
VP-9_60_20160209	441097	5.593	240831	8.648
VP-105_5_20160209	452162	5.551	279027	8.629
VP-105_10_20160209	465812	5.557	286247	8.635
VP-105_20_20160209	424880	5.557	260339	8.630
VP-105_50_20160209	489517	5.587	280125	8.648
VP-105_60_20160209	427537	5.593	244774	8.648
VP-105_72_20160209	346987	5.581	208045 *	8.641
VP-105_32_20160209	394965	5.557	242050	8.636

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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Data File: \\192.168.10.12\chem\10airB.i\030916.b\06906.D
Report Date: 09-Mar-2016 14:59

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10airB.i\030916.b\06906.D
Lab Smp Id: call
Inj Date : 09-MAR-2016 09:39
Operator : MLS
Smp Info :
Misc Info :
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10airB.i\030916.b\TO15_069-16.m
Meth Date : 09-Mar-2016 14:59 10airB.i Quant Type: ISTD
Cal Date : 09-MAR-2016 12:30 Cal File: 06912.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: 10MNAIR04

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppbv)	ON-COL (ppbv)
1 Chlorodifluoromethane	51		2.923	2.923	(0.527)	1695	0.10000	0.0926(a)
2 Propylene	41		2.929	2.929	(0.528)	575	0.10000	0.0883(a)
3 Dichlorodifluoromethane	85		2.959	2.959	(0.533)	3517	0.10000	0.0888(a)
4 Dichlorotetrafluoroethane	85		3.051	3.051	(0.550)	3669	0.10000	0.0963(a)
5 Chloromethane	50		3.051	3.051	(0.550)	1100	0.10000	0.0934(aM)
6 Vinyl chloride	62		3.130	3.130	(0.564)	1016	0.10000	0.0896(a)
7 1,3-Butadiene	54		3.167	3.167	(0.571)	710	0.10000	0.262
8 Bromomethane	94		3.307	3.307	(0.596)	866	0.10000	0.216
9 Chloroethane	64		3.356	3.356	(0.605)	337	0.10000	0.228(QM)
10 Ethanol	45		3.435	3.435	(0.619)	1507	0.50000	0.514
11 Vinyl Bromide	106		3.471	3.471	(0.625)	2557	0.25000	0.243(a)
12 Isopentane	43		3.490	3.490	(0.629)	610	0.10000	0.152(aQM)
13 Acrolein	56		3.575	3.575	(0.644)	582	0.25000	0.378(a)
14 Trichlorofluoromethane	101		3.563	3.563	(0.642)	2897	0.10000	0.0968(a)
15 Acetone	43		3.618	3.618	(0.652)	7695	0.50000	0.598(a)
16 Isopropyl Alcohol	45		3.660	3.660	(0.660)	6741	0.50000	0.515
17 Acrylonitrile	53		3.819	3.819	(0.688)	1569	0.25000	0.222(a)
18 1,1-Dichloroethene	61		3.807	3.807	(0.686)	1419	0.10000	0.410
19 Tert Butyl Alcohol (TBA)	59		3.862	3.862	(0.696)	12303	0.50000	0.553
20 Freon 113	101		3.843	3.843	(0.692)	1994	0.10000	0.0944(a)
21 Methylene chloride	49		3.898	3.898	(0.702)	4735	0.50000	0.504(a)
22 Allyl Chloride	76		3.910	3.910	(0.705)	985	0.25000	0.230(a)
23 Carbon Disulfide	76		4.020	4.020	(0.724)	2800	0.10000	0.134(aM)

Data File: \\192.168.10.12\chem\10airB.i\030916.b\06906.D
Report Date: 09-Mar-2016 14:59

Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
24 trans-1,2-dichloroethene	96	4.173	4.173	(0.752)	1582	0.10000	0.100 (a)
25 Methyl Tert Butyl Ether	73	4.221	4.221	(0.761)	21479	0.50000	0.563
26 Vinyl Acetate	43	4.294	4.294	(0.774)	2542	0.10000	0.438 (M)
27 1,1-Dichloroethane	63	4.307	4.307	(0.776)	2685	0.10000	0.101 (a)
\$ 28 Hexane-d14 (S)	66	4.404	4.404	(0.794)	219095	10.0000	9.06
29 Methyl Ethyl Ketone	72	4.471	4.471	(0.806)	3776	0.50000	0.522 (Q)
30 n-Hexane	57	4.502	4.502	(0.811)	2755	0.10000	0.209 (QM)
31 Di-isopropyl Ether	45	4.520	4.520	(0.814)	19369	0.50000	0.593
32 Ethyl Acetate	43	4.642	4.642	(0.836)	2417	0.10000	0.102 (aM)
33 cis-1,2-Dichloroethene	96	4.636	4.636	(0.835)	1845	0.10000	0.101 (a)
34 Ethyl Tert-Butyl Ether	59	4.758	4.758	(0.857)	24835	0.50000	0.578
35 Chloroform	83	4.752	4.752	(0.856)	3493	0.10000	0.108
36 Tetrahydrofuran	42	4.935	4.935	(0.889)	1113	0.10000	0.0971 (aM)
37 1,1,1-Trichloroethane	97	5.160	5.160	(0.930)	3359	0.10000	0.0919 (a)
38 1,2-Dichloroethane	62	5.160	5.160	(0.930)	2472	0.10000	0.105 (M)
39 Benzene	78	5.398	5.398	(0.973)	4992	0.10000	0.103 (M)
40 Carbon tetrachloride	117	5.416	5.416	(0.976)	3542	0.10000	0.0932 (a)
41 Cyclohexane	56	5.422	5.422	(0.977)	2330	0.10000	0.111 (aQM)
42 Tert Amyl Methyl Ether	73	5.550	5.550	(1.000)	26291	0.50000	0.632
* 43 1,4-Difluorobenzene	114	5.550	5.550	(1.000)	617812	10.0000	
44 2,2,4-Trimethylpentane	57	5.715	5.715	(1.030)	18148	0.25000	0.275 (a)
45 Heptane	43	5.837	5.837	(1.052)	1912	0.10000	0.100 (aM)
46 1,2-Dichloropropane	63	5.916	5.916	(1.066)	1565	0.10000	0.0931 (aM)
47 Trichloroethene	130	5.934	5.934	(1.069)	2474	0.10000	0.0933 (a)
48 1,4-Dioxane	88	6.038	6.038	(1.088)	1027	0.10000	0.0879 (aM)
49 Bromodichloromethane	83	6.032	6.032	(1.087)	3128	0.10000	0.322
50 Methylcyclohexane	98	6.385	6.385	(1.150)	1261	0.10000	0.192 (aQ)
51 Methyl Isobutyl Ketone	43	6.495	6.495	(1.170)	14347	0.50000	0.566
52 cis-1,3-Dichloropropene	75	6.544	6.544	(1.179)	2212	0.10000	0.330
53 trans-1,3-Dichloropropene	75	6.952	6.952	(1.253)	1928	0.10000	0.389 (M)
\$ 54 Toluene-d8 (S)	98	7.044	7.044	(1.269)	513714	10.0000	8.72
55 Toluene	91	7.123	7.123	(1.283)	7432	0.10000	0.113 (a)
56 1,1,2-Trichloroethane	97	7.111	7.111	(1.281)	2056	0.10000	0.0959 (a)
57 Methyl Butyl Ketone	43	7.349	7.349	(0.852)	13383	0.50000	0.207
58 Dibromochloromethane	129	7.654	7.654	(0.887)	3001	0.10000	0.0912 (a)
59 1,2-Dibromoethane	107	7.885	7.885	(0.914)	3052	0.10000	0.0996 (a)
60 Tetrachloroethene	166	7.971	7.971	(0.924)	3154	0.10000	0.109
* 61 Chlorobenzene - d5	117	8.629	8.629	(1.000)	384307	10.0000	
62 Chlorobenzene	112	8.672	8.672	(1.005)	4578	0.10000	0.102 (a)
63 Ethyl Benzene	91	8.928	8.928	(1.035)	7591	0.10000	0.109 (a)
64 m&p-Xylene	91	9.068	9.068	(1.051)	13389	0.20000	0.246 (a)
65 Bromoform	173	9.470	9.470	(1.097)	2357	0.10000	0.0883 (a)
66 Styrene	104	9.501	9.501	(1.101)	3798	0.10000	0.0951 (a)
67 o-Xylene	91	9.574	9.574	(1.109)	6821	0.10000	0.120 (a)
68 1,1,2,2-Tetrachloroethane	83	9.830	9.830	(1.139)	3498	0.10000	0.102
69 Isopropylbenzene	105	10.159	10.159	(1.177)	8118	0.10000	0.110 (a)
70 N-Propylbenzene	91	10.738	10.738	(1.244)	8404	0.10000	0.100 (aM)
71 4-Ethyltoluene	105	10.915	10.915	(1.265)	7268	0.10000	0.0988 (a)
72 1,3,5-Trimethylbenzene	105	11.000	11.000	(1.275)	6848	0.10000	0.107 (a)
73 Tert-Butyl Benzene	119	11.500	11.500	(1.333)	7220	0.10000	0.109 (a)
74 1,2,4-Trimethylbenzene	105	11.513	11.513	(1.334)	6962	0.10000	0.114 (a)
75 1,3-Dichlorobenzene	146	11.799	11.799	(1.367)	4268	0.10000	0.105 (a)
76 Sec- Butylbenzene	105	11.811	11.811	(1.369)	9378	0.10000	0.111 (a)
\$ 77 1,4-dichlorobenzene-d4 (S)	150	11.860	11.860	(1.374)	198509	10.0000	9.10

Data File: \\192.168.10.12\chem\10airB.i\030916.b\06906.D
Report Date: 09-Mar-2016 14:59

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ppbv)	ON-COL (ppbv)
=====	=====	=====	=====	=====	=====		=====	=====
78 Benzyl Chloride	91	11.866	11.866	(1.375)	2361		0.10000	0.187 (a)
79 1,4-Dichlorobenzene	146	11.891	11.891	(1.378)	4252		0.10000	0.102 (aH)
80 p-Isopropyltoluene	119	11.994	11.994	(1.390)	7891		0.10000	0.105 (aM)
81 1,2,3-Trimethylbenzene	105	12.037	12.037	(1.395)	6995		0.10000	0.112 (a)
82 1,2-Dichlorobenzene	146	12.287	12.287	(1.424)	4245		0.10000	0.105 (a)
83 N-Butylbenzene	91	12.470	12.470	(1.445)	6403		0.10000	0.103 (a)
84 1,2,4-Trichlorobenzene	180	14.043	14.043	(1.627)	1918		0.10000	0.0961 (a)
85 Naphthalene	128	14.164	14.164	(1.641)	5697		0.10000	0.104 (a)
86 Hexachlorobutadiene	225	14.408	14.408	(1.670)	2466		0.10000	0.104 (a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 404595 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338324

Lab File ID: 07205_25420.D

Lab Sample ID: 2208413

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 09:31

Instrument ID: 10AIR0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 404595 [AIR/	2208414	07203_25420.D	08:33
02	VP-9_10_20160209DUP	10338324008	07206.D	10:03
03	VP-NYSDEC-5_30_201602	10338324004	07207.D	10:34
04	VP-105_60_20160209	10338324018	07208.D	11:06
05	VP-9_20_20160209	10338324009	07209.D	11:39
06	VP-105_50_20160209	10338324017	07210.D	12:12
07	VP-9_30_20160209	10338324010	07211.D	12:43
08	VP-NYSDEC-5_20_201602	10338324003	07212.D	13:15
09	VP-105_72_20160209	10338324019	07213.D	13:48
10	VP-9_60_20160209	10338324013	07214.D	14:20
11	VP-NYSDEC-5_10_201602	10338324002	07215.D	14:53
12	VP-NYSDEC-5_5_2016020	10338324001	07216.D	15:25
13	VP-NYSDEC-5_50_201602	10338324006	07217.D	15:58
14	VP-9_40_20160209	10338324011	07218.D	16:31
15	VP-9_10_20160209	10338324007	07219.D	17:03
16	VP-105_10_20160209	10338324015	07220.D	17:34
17	VP-105_20_20160209	10338324016	07221.D	18:06
18	VP-105_5_20160209	10338324014	07222.D	18:38
19	VP-9_50_20160209	10338324012	07223.D	19:09
20	VP-NYSDEC-5_40_201602	10338324005	07224.D	19:41
21	VP-105_32_20160209	10338324020	07225.D	20:13

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 404595 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338324

Lab File ID: 07104_25420.D

Lab Sample ID: 2208413

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 10:17

Instrument ID: 10AIRB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 404595 [AIR/	2208414	07102_25420.D	08:54
02	VP-105_72_20160209	10338324019	07114.D	15:45
03	VP-NYSDEC-5_40_201602	10338324005	07116.D	16:49
04	VP-105_32_20160209	10338324020	07118.D	17:53
05	VP-105_20_20160209	10338324016	07119.D	18:25
06	VP-105_5_20160209	10338324014	07121.D	19:24
07	VP-105_10_20160209	10338324015	07122.D	19:56
08	VP-9_10_20160209	10338324007	07123.D	20:27
09	VP-9_50_20160209	10338324012	07124.D	20:59
10	VP-NYSDEC-5_10_201602	10338324002	07125.D	21:31
11	VP-NYSDEC-5_20_201602	10338324003	07126.D	22:02
12	VP-NYSDEC-5_50_201602	10338324006	07127.D	22:34
13	VP-105_60_20160209	10338324018	07128.D	23:05
14	VP-9_30_20160209	10338324010	07129.D	23:37
15	VP-NYSDEC-5_5_2016020	10338324001	07130.D	00:09
16	VP-105_50_20160209	10338324017	07131.D	00:40
17	VP-NYSDEC-5_30_201602	10338324004	07132.D	01:12
18	VP-9_60_20160209	10338324013	07133.D	01:44
19	VP-9_20_20160209	10338324009	07134.D	02:16
20	VP-9_10_20160209DUP	10338324008	07135.D	02:47
21	VP-9_40_20160209	10338324011	07137.D	03:48

QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

QC Batch:	AIR/25420	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10338324001, 10338324002, 10338324003, 10338324004, 10338324005, 10338324006, 10338324007, 10338324008, 10338324009, 10338324010, 10338324011, 10338324012, 10338324013, 10338324014, 10338324015, 10338324016, 10338324017, 10338324018, 10338324019		

METHOD BLANK: 2208413

Matrix: Air

Associated Lab Samples: 10338324001, 10338324002, 10338324003, 10338324004, 10338324005, 10338324006, 10338324007, 10338324008, 10338324009, 10338324010, 10338324011, 10338324012, 10338324013, 10338324014, 10338324015, 10338324016, 10338324017, 10338324018, 10338324019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/11/16 10:17	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/11/16 10:17	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/11/16 10:17	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/11/16 10:17	
1,1-Dichloroethane	ug/m3	ND	0.82	03/11/16 10:17	
1,1-Dichloroethene	ug/m3	ND	2.0	03/11/16 10:17	
1,1-Difluoroethane	ug/m3	ND	1.4	03/12/16 09:31	SS
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	03/11/16 10:17	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/11/16 10:17	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/12/16 09:31	SS
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/11/16 10:17	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/11/16 10:17	
1,2-Dichloroethane	ug/m3	ND	0.41	03/11/16 10:17	
1,2-Dichloropropane	ug/m3	ND	0.94	03/11/16 10:17	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/11/16 10:17	
1,3-Butadiene	ug/m3	ND	1.1	03/11/16 10:17	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/11/16 10:17	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/11/16 10:17	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/11/16 10:17	
2-Butanone (MEK)	ug/m3	ND	3.0	03/11/16 10:17	
2-Hexanone	ug/m3	ND	4.2	03/11/16 10:17	
2-Propanol	ug/m3	ND	2.5	03/11/16 10:17	
4-Ethyltoluene	ug/m3	ND	1.0	03/11/16 10:17	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/11/16 10:17	
Acetone	ug/m3	ND	2.4	03/11/16 10:17	
Allyl chloride	ug/m3	ND	1.6	03/11/16 10:17	
Benzene	ug/m3	ND	0.65	03/11/16 10:17	
Bromodichloromethane	ug/m3	ND	3.4	03/11/16 10:17	
Bromoform	ug/m3	ND	2.1	03/11/16 10:17	
Bromomethane	ug/m3	ND	2.0	03/11/16 10:17	
Carbon disulfide	ug/m3	ND	0.63	03/11/16 10:17	
Carbon tetrachloride	ug/m3	ND	0.64	03/11/16 10:17	
Chlorobenzene	ug/m3	ND	0.94	03/11/16 10:17	
Chlorodifluoromethane	ug/m3	ND	0.72	03/11/16 10:17	
Chloroethane	ug/m3	ND	1.3	03/11/16 10:17	
Chloroform	ug/m3	ND	0.99	03/11/16 10:17	
Chloromethane	ug/m3	ND	0.42	03/11/16 10:17	
Chloropentafluoroethane	ug/m3	ND	3.2	03/12/16 09:31	CL,IC,L2

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

METHOD BLANK: 2208413

Matrix: Air

Associated Lab Samples: 10338324001, 10338324002, 10338324003, 10338324004, 10338324005, 10338324006, 10338324007, 10338324008, 10338324009, 10338324010, 10338324011, 10338324012, 10338324013, 10338324014, 10338324015, 10338324016, 10338324017, 10338324018, 10338324019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/11/16 10:17	
cis-1,3-Dichloropropene	ug/m3	ND	2.3	03/11/16 10:17	
Cyclohexane	ug/m3	ND	0.70	03/11/16 10:17	
Dibromochloromethane	ug/m3	ND	1.7	03/11/16 10:17	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/11/16 10:17	
Ethylbenzene	ug/m3	ND	0.88	03/11/16 10:17	
Freon 123	ug/m3	ND	3.2	03/12/16 09:31	SS
Hexachloro-1,3-butadiene	ug/m3	ND	10.8	03/11/16 10:17	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/11/16 10:17	
m&p-Xylene	ug/m3	ND	1.8	03/11/16 10:17	
Methyl acetate	ug/m3	ND	1.5	03/12/16 09:31	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/11/16 10:17	
Methylcyclohexane	ug/m3	ND	0.82	03/11/16 10:17	
Methylene Chloride	ug/m3	ND	3.5	03/11/16 10:17	
n-Hexane	ug/m3	ND	0.72	03/11/16 10:17	
o-Xylene	ug/m3	ND	0.88	03/11/16 10:17	
Styrene	ug/m3	ND	0.87	03/11/16 10:17	
Tetrachloroethene	ug/m3	ND	0.69	03/11/16 10:17	
Toluene	ug/m3	ND	0.77	03/11/16 10:17	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/11/16 10:17	
trans-1,3-Dichloropropene	ug/m3	ND	2.3	03/11/16 10:17	
Trichloroethene	ug/m3	ND	0.55	03/11/16 10:17	
Trichlorofluoromethane	ug/m3	ND	1.1	03/11/16 10:17	
Vinyl chloride	ug/m3	ND	0.26	03/11/16 10:17	

LABORATORY CONTROL SAMPLE: 2208414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	67.0	121	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	86.0	123	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	61.2	110	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	95.6	123	66-131	
1,1-Dichloroethane	ug/m3	41.2	45.4	110	62-139	
1,1-Dichloroethene	ug/m3	40.3	40.1	100	62-135	
1,1-Difluoroethane	ug/m3	2.7	2.9	105	50-150	SS
1,2,4-Trichlorobenzene	ug/m3	75.5	81.6	108	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	62.4	125	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	9.8	10.1	102	50-150	SS
1,2-Dibromoethane (EDB)	ug/m3	78.1	99.8	128	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	72.7	119	57-141	
1,2-Dichloroethane	ug/m3	41.2	51.0	124	61-144	
1,2-Dichloropropane	ug/m3	47	52.4	111	63-144	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

LABORATORY CONTROL SAMPLE: 2208414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3,5-Trimethylbenzene	ug/m3	50	61.7	123	54-147	
1,3-Butadiene	ug/m3	22.5	23.0	102	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	77.4	127	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	75.1	123	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	36.8	100	58-144	
2-Butanone (MEK)	ug/m3	150	158	105	66-144	
2-Hexanone	ug/m3	208	286	137	63-147	CH
2-Propanol	ug/m3	125	127	101	54-146	
4-Ethyltoluene	ug/m3	50	63.0	126	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	208	219	105	58-150	
Acetone	ug/m3	121	117	97	46-140	
Allyl chloride	ug/m3	79.6	96.3	121	65-142	
Benzene	ug/m3	32.5	32.7	101	62-141	
Bromodichloromethane	ug/m3	68.2	69.4	102	58-149	
Bromoform	ug/m3	105	162	154	61-150	CH,L0
Bromomethane	ug/m3	39.5	40.7	103	58-136	
Carbon disulfide	ug/m3	31.7	32.8	104	59-135	
Carbon tetrachloride	ug/m3	64	77.9	122	60-149	
Chlorobenzene	ug/m3	46.8	56.2	120	60-150	
Chlorodifluoromethane	ug/m3	36	46.1	128	70-130	
Chloroethane	ug/m3	26.8	27.0	101	61-136	
Chloroform	ug/m3	49.7	57.8	116	65-138	
Chloromethane	ug/m3	21	26.4	126	62-133	
Chloropentafluoroethane	ug/m3	6.4	ND	38	50-150	CL,IC,L0,SS
cis-1,2-Dichloroethene	ug/m3	40.3	40.9	101	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	42.0	91	61-149	
Cyclohexane	ug/m3	35	37.1	106	64-134	
Dibromochloromethane	ug/m3	86.6	122	141	59-150	CH
Dichlorodifluoromethane	ug/m3	50.3	62.4	124	63-134	
Ethylbenzene	ug/m3	44.2	55.3	125	59-149	
Freon 123	ug/m3	6.4	6.0	94	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	104	96	42-150	
Isopropylbenzene (Cumene)	ug/m3	50	64.1	128	65-150	
m&p-Xylene	ug/m3	88.3	109	124	59-146	
Methyl acetate	ug/m3	3.1	2.9	94	50-150	
Methyl-tert-butyl ether	ug/m3	183	202	110	64-135	
Methylcyclohexane	ug/m3	40.8	35.1	86	70-130	
Methylene Chloride	ug/m3	177	190	107	64-128	
n-Hexane	ug/m3	35.8	40.4	113	50-138	
o-Xylene	ug/m3	44.2	54.5	123	54-149	
Styrene	ug/m3	43.3	55.5	128	54-150	
Tetrachloroethene	ug/m3	69	84.4	122	60-142	
Toluene	ug/m3	38.3	38.4	100	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	41.7	103	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	42.9	93	59-145	
Trichloroethene	ug/m3	54.6	56.7	104	60-144	
Trichlorofluoromethane	ug/m3	57.1	69.3	121	59-134	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck

Pace Project No.: 10338324

LABORATORY CONTROL SAMPLE: 2208414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/m3	26	29.6	114	63-135	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338324

Lab File ID: 06801BFB.D

BFB Injection Date: 03/08/2016

Instrument ID: 10AIR0

BFB Injection Time: 10:05

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.50
75	30.00 - 66.00% of mass 95	44.43
96	5.00 - 9.00% of mass 95	5.84
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	93.73
175	4.00 - 9.00% of mass 174	6.16 (6.58)
176	93.00 - 101.00% of mass 174	90.80 (96.88)
177	5.00 - 9.00% of mass 176	6.37 (7.01)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	06803.D	03/08/2016	11:01
2	CAL2	CAL2	06804.D	03/08/2016	11:29
3	CAL3	CAL3	06805.D	03/08/2016	11:58
4	CAL4	CAL4	06806.D	03/08/2016	12:27
5	CAL5	CAL5	06807.D	03/08/2016	13:01
6	CAL6	CAL6	06808.D	03/08/2016	14:04
7	ICV	ICV	06810.D	03/08/2016	15:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-MAR-2016 10:34
End Cal Date : 08-MAR-2016 14:04
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air0.i\030816.b\T015cust_068-16.m
Last Edit : 15-Mar-2016 12:14 10air0.i

Calibration File Names:
Level 01: all \\192.168.10.12\chem\10air0.i\030816.b\06803.D
Level 02: all \\192.168.10.12\chem\10air0.i\030816.b\06804.D
Level 03: all \\192.168.10.12\chem\10air0.i\030816.b\06805.D
Level 04: all \\192.168.10.12\chem\10air0.i\030816.b\06806.D
Level 05: all \\192.168.10.12\chem\10air0.i\030816.b\06807.D
Level 06: all \\192.168.10.12\chem\10air0.i\030816.b\06808.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	2.0000	3.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
1 Chloropentafluoroethane	0.14332	0.10387	0.05406	0.03253	0.01804	0.01274	AVRG		0.06076		85.98079 <-
2 1,1-Difluoroethane	0.37210	0.32958	0.30842	0.28801	0.27093	0.27702	AVRG		0.30768		12.42618
3 Freon 123	0.57671	0.57669	0.54934	0.52370	0.48328	0.44219	AVRG		0.52532		10.26389
4 Methyl Acetate	0.42921	0.40194	0.40185	0.36303	0.35329	0.34437	AVRG		0.38228		8.76974
10 1,2-Dibromo-3-chloropropane	1622	6295	34098	103195	293224	421047	QUAD	-0.00478	0.29254	0.09509	0.99552
\$ 5 Hexane-d14 (S)	++++	++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
\$ 7 Toluene-d8 (S)	++++	++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338324

Lab File ID: 07201BFB.D

BFB Injection Date: 03/12/2016

Instrument ID: 10AIR0

BFB Injection Time: 07:31

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	12.99
75	30.00 - 66.00% of mass 95	43.58
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	86.15
175	4.00 - 9.00% of mass 174	6.28 (7.29)
176	93.00 - 101.00% of mass 174	82.99 (96.34)
177	5.00 - 9.00% of mass 176	5.73 (6.91)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07203.D	03/12/2016	08:33
2	LCS for HBN 404595 [AIR/	2208414	07203_25420.D	03/12/2016	08:33
3	BLANK for HBN 404595 [AI	2208413	07205_25420.D	03/12/2016	09:31
4	VP-9_10_20160209DUP	10338324008	07206.D	03/12/2016	10:03
5	VP-NYSDEC-5_30_201602	10338324004	07207.D	03/12/2016	10:34
6	VP-105_60_20160209	10338324018	07208.D	03/12/2016	11:06
7	VP-9_20_20160209	10338324009	07209.D	03/12/2016	11:39
8	VP-105_50_20160209	10338324017	07210.D	03/12/2016	12:12
9	VP-9_30_20160209	10338324010	07211.D	03/12/2016	12:43
10	VP-NYSDEC-5_20_201602	10338324003	07212.D	03/12/2016	13:15
11	VP-105_72_20160209	10338324019	07213.D	03/12/2016	13:48
12	VP-9_60_20160209	10338324013	07214.D	03/12/2016	14:20
13	VP-NYSDEC-5_10_201602	10338324002	07215.D	03/12/2016	14:53
14	VP-NYSDEC-5_5_2016020	10338324001	07216.D	03/12/2016	15:25
15	VP-NYSDEC-5_50_201602	10338324006	07217.D	03/12/2016	15:58
16	VP-9_40_20160209	10338324011	07218.D	03/12/2016	16:31
17	VP-9_10_20160209	10338324007	07219.D	03/12/2016	17:03
18	VP-105_10_20160209	10338324015	07220.D	03/12/2016	17:34
19	VP-105_20_20160209	10338324016	07221.D	03/12/2016	18:06
20	VP-105_5_20160209	10338324014	07222.D	03/12/2016	18:38
21	VP-9_50_20160209	10338324012	07223.D	03/12/2016	19:09
22	VP-NYSDEC-5_40_201602	10338324005	07224.D	03/12/2016	19:41
23	VP-105_32_20160209	10338324020	07225.D	03/12/2016	20:13

Data File: \\192.168.10.12\chem\10air0.i\031216.b\07203.D
Report Date: 15-Mar-2016 12:45

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air0.i Injection Date: 12-MAR-2016 08:33
Lab File ID: 07203.D Init. Cal. Date(s): 02-MAR-2016 08-MAR-2016
Analysis Type: AIR Init. Cal. Times: 10:34 14:04
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air0.i\031216.b\TO15cust_068-16.m

COMPOUND	RRF / AMOUNT	RF1	CCAL RRF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chloropentafluoroethane	0.06076	0.02298	0.02298	0.010	-62.17462	30.00000	Aver	<-
2 1,1-Difluoroethane	0.30768	0.32338	0.32338	0.010	5.10493	30.00000	Aver	(H)
3 Freon 123	0.52532	0.49626	0.49626	0.010	-5.53204	30.00000	Aver	(M)
4 Methyl Acetate	0.38228	0.35939	0.35939	0.010	-5.98771	30.00000	Aver	
\$ 5 Hexane-d14 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 7 Toluene-d8 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
10 1,2-Dibromo-3-chloropropane	1.00000	1.02376	0.26161	0.010	2.37564	30.00000	Quad	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Average %D / Drift Results.	
Calculated Average %D/Drift =	16.23499
Maximum Average %D/Drift =	30.00000
* Passed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338324

Lab File ID: 09001BFB.D

BFB Injection Date: 03/30/2016

Instrument ID: 10AIR0

BFB Injection Time: 09:14

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.71
75	30.00 - 66.00% of mass 95	49.84
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	1.02 (1.04)
174	50.00 - 120.00% of mass 95	97.34
175	4.00 - 9.00% of mass 174	7.32 (7.52)
176	93.00 - 101.00% of mass 174	95.31 (97.91)
177	5.00 - 9.00% of mass 176	6.08 (6.38)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	09002.D	03/30/2016	09:43
2	CAL2	CAL2	09003.D	03/30/2016	10:12
3	CAL3	CAL3	09004.D	03/30/2016	10:42
4	CAL4	CAL4	09005.D	03/30/2016	11:12
5	CAL5	CAL5	09006.D	03/30/2016	11:40
6	CAL6	CAL6	09007.D	03/30/2016	12:08
7	CAL7	CAL7	09008.D	03/30/2016	12:37
8	ICV	ICV	09010.D	03/30/2016	13:31

1,1,2-trichlorotrifluoroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, 1,1-dichloroethene, chloroform, and/or chlorodifluoromethane only

Report Date : 31-Mar-2016 13:34

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INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2016 09:43
End Cal Date : 30-MAR-2016 12:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air0.i\033016.b\TO15_090-16.m
Last Edit : 31-Mar-2016 07:09 mlytle

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air0.i\033016.b\09002.D
Level 02: all \\192.168.10.12\chem\10air0.i\033016.b\09003.D
Level 03: all \\192.168.10.12\chem\10air0.i\033016.b\09004.D
Level 04: all \\192.168.10.12\chem\10air0.i\033016.b\09005.D
Level 05: all \\192.168.10.12\chem\10air0.i\033016.b\09006.D
Level 06: all \\192.168.10.12\chem\10air0.i\033016.b\09007.D
Level 07: all \\192.168.10.12\chem\10air0.i\033016.b\09008.D

Compound (all.sb)	0.1000000 Level 1	0.2000000 Level 2	0.5000000 Level 3	1.0000 Level 4	10.0000 Level 5	20.0000 Level 6	Curve	Coefficients			%RSD or R^2
	30.0000 Level 7							b	m1	m2	
1 Chlorodifluoromethane	321738 4011237	194840	319596	532736	1443207	2812206	LINR	0.05283	0.21115		0.99552
2 Propylene	15734 1448581	16742	28408	49930	480515	970980	LINR	0.00123	0.08227		0.99989
3 Dichlorodifluoromethane	62759 ++++	95955	182904	330960	3192626	5926521	LINR	0.01301	0.50312		0.99883
4 Dichlorotetrafluoroethane	0.63727 0.44556	0.56186	0.50121	0.51974	0.50033	0.46571	AVRG		0.51881		12.37300

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	30.0000 Level 7							b	m1	m2	
5 Chloromethane	19196 2696453	26093	52298	94472	954969	1860799	LINR	0.00326	0.15473		0.99977
6 Vinyl chloride	0.15601 0.15151	0.14914	0.13358	0.13824	0.14537	0.14236	AVRG		0.14517		5.36374
7 1,3-Butadiene	0.12578 0.09202	0.09949	0.08250	0.08858	0.08943	0.08621	AVRG		0.09486		15.41161
8 Bromomethane	0.16791 0.14067	0.15951	0.13886	0.14563	0.14829	0.13843	AVRG		0.14847		7.58902
9 Chloroethane	0.06590 0.04804	0.05527	0.04856	0.04948	0.05160	0.04591	AVRG		0.05211		12.99232
10 Ethanol	43494 2531310	68324	92273	127056	927873	1774124	LINR	0.01046	0.02863		0.99960
11 Vinyl Bromide	0.14259 0.10814	0.13464	0.11421	0.12781	0.12872	0.11519	AVRG		0.12447		9.94409

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	30.0000 Level 7							b	m1	m2	
12 Isopentane	16692 ++++	19124	32978	60320	624198	1131995	LINR	0.00275	0.09641		0.99790
13 Acrolein	0.03598 0.03087	0.03150	0.02723	0.02594	0.03294	0.03064	AVRG		0.03073		10.97449
14 Trichlorofluoromethane	0.55318 0.31497	0.44560	0.37741	0.38288	0.36011	0.32385	AVRG		0.39400		20.90779
15 Acetone	380465 10317829	319074	463257	707220	4268396	7397251	QUAD	0.06024	0.13690	-0.00153	0.99958
16 Isopropyl Alcohol	0.18201 0.11908	0.15912	0.13298	0.13956	0.14271	0.12341	AVRG		0.14270		15.27328
17 Acrylonitrile	0.08384 0.06895	0.07947	0.06827	0.08006	0.07952	0.07095	AVRG		0.07586		8.28681
18 1,1-Dichloroethene	0.18820 0.16570	0.18252	0.16153	0.17302	0.17790	0.16623	AVRG		0.17359		5.63390

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	30.0000 Level 7							b	m1 m2	
19 Tert Butyl Alcohol (TBA)	0.17817 0.12928	0.16153	0.14900	0.15813	0.16746	0.13973	AVRG	0.15476		10.79573
20 Freon 113	0.32571 0.22424	0.29024	0.25557	0.26398	0.25848	0.22632	AVRG	0.26351		13.50484
21 Methylene chloride	++++ ++++	++++	++++	++++	++++	++++	AVRG	0.000e+000		0.000e+000
22 Allyl chloride	0.04709 0.03967	0.04159	0.03748	0.04285	0.04691	0.04227	AVRG	0.04255		8.29400
23 Carbon Disulfide	0.31345 0.32116	0.30461	0.26818	0.30399	0.34854	0.32522	AVRG	0.31216		7.88490
24 trans-1,2-dichloroethene	0.15409 0.11320	0.14317	0.12077	0.12629	0.13112	0.11772	AVRG	0.12948		11.30442
25 Methyl Tert Butyl Ether	0.28991 0.18496	0.28253	0.24074	0.25274	0.25011	0.20566	AVRG	0.24381		15.59387

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	30.0000 Level 7							b	m1	m2	
26 Vinyl Acetate	0.50250 0.29504	0.37162	0.26592	0.28482	0.28839	0.29513	AVRG		0.32906		25.36482
27 1,1-Dichloroethane	0.30925 0.28101	0.29758	0.26399	0.27547	0.28398	0.28173	AVRG		0.28472		5.18129
29 Methyl Ethyl Ketone	0.10465 0.06862	0.08751	0.07157	0.07425	0.07764	0.07295	AVRG		0.07960		15.82131
30 n-Hexane	408895 4601789	364618	337170	400017	1765505	3250110	QUAD	0.06106	0.24117	0.00098	0.99925
31 Di-isopropyl Ether	0.45338 0.21889	0.42690	0.37898	0.39059	0.33721	0.25721	AVRG		0.35188		24.61906
32 Ethyl Acetate	0.36413 0.26757	0.30561	0.27800	0.28120	0.28170	0.26952	AVRG		0.29253		11.59840
33 cis-1,2-Dichloroethene	0.19043 0.19711	0.17600	0.15399	0.16791	0.18322	0.19065	AVRG		0.17990		8.38054

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	30.0000 Level 7							b	m1	m2	
34 Ethyl Tert-Butyl Ether	0.35879 0.21468	0.34790	0.31111	0.34028	0.31090	0.24741	AVRG		0.30444		17.75034
35 Chloroform	0.50960 0.36561	0.47199	0.41375	0.43364	0.43558	0.39754	AVRG		0.43253		10.99243
36 Tetrahydrofuran	20385 2406390	26246	41768	69526	761129	1577077	LINR	-0.00009	0.13626		0.99931
37 1,1,1-Trichloroethane	0.37717 0.42531	0.39601	0.35204	0.37242	0.43451	0.43507	AVRG		0.39893		8.34611
38 1,2-Dichloroethane	0.33735 0.27824	0.32150	0.28722	0.28562	0.29992	0.28632	AVRG		0.29946		7.32389
39 Benzene	51631 8138701	67134	131218	242027	2900057	5758642	QUAD	-0.00026	0.51828	-0.01683	0.99990
40 Carbon tetrachloride	0.42381 0.40730	0.41259	0.36608	0.38723	0.46781	0.44302	AVRG		0.41540		8.15177

... primary, direct, services, =

INITIAL CALIBRATION DATA

END - END -

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Compound (all.sb)	0.1000000 Level 1	0.2000000 Level 2	0.5000000 Level 3	1.0000 Level 4	10.0000 Level 5	20.0000 Level 6	Curve	Coefficients			%RSD or R^2
	30.0000 Level 7							b	m1	m2	
49 1,4-Dioxane	0.07529 0.11131	0.08587	0.08071	0.08354	0.10805	0.11286	AVRG		0.09395		17.13643
50 Bromodichloromethane	0.35471 0.41383	0.35765	0.34948	0.40238	0.46072	0.44206	AVRG		0.39726		11.25579
51 Methylcyclohexane	0.09578 0.12375	0.07664	0.07868	0.09060	0.11208	0.12139	AVRG		0.09985		19.49713
52 Methyl Isobutyl Ketone	0.27634 0.18111	0.28093	0.25669	0.27029	0.26510	0.21583	AVRG		0.24947		14.86129
53 cis-1,3-Dichloropropene	0.18897 0.30249	0.19904	0.20411	0.21979	0.29212	0.30398	AVRG		0.24436		21.49960
54 trans-1,3-Dichloropropene	5992 5050352	13675	39073	87597	1579822	3384843	LINR	-0.00831	0.29102		0.99959
56 Toluene	190626 9327143	160328	240379	382322	3284122	6655186	QUAD	0.01916	0.57371	-0.01431	0.99960

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	30.0000 Level 7							b	m1 m2	
57 1,1,2-Trichloroethane	0.19128 0.22083	0.19278	0.16722	0.17985	0.21415	0.22455	AVRG	0.19867		10.93794
58 Methyl Butyl Ketone	0.46649 0.36338	0.49660	0.49819	0.49522	0.56279	0.46516	AVRG	0.47826		12.56656
59 Dibromochloromethane	0.66261 0.86125	0.71507	0.75635	0.72269	0.99513	0.97319	AVRG	0.81233		16.26386
60 1,2-Dibromoethane	0.69200 0.74857	0.75266	0.72129	0.69884	0.81763	0.82869	AVRG	0.75138		7.20148
61 Tetrachloroethene	0.84246 0.77535	0.76544	0.72449	0.69953	0.83776	0.85665	AVRG	0.78595		7.81797
63 Chlorobenzene	0.90162 0.92094	0.90988	0.90750	0.84352	0.99395	0.98096	AVRG	0.92262		5.52367
64 Ethyl Benzene	1.49615 1.36696	1.31574	1.37727	1.39807	1.64264	1.55384	AVRG	1.45010		8.10745

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	30.0000 Level 7							b	m1	m2	
65 m&p-Xylene	1.40670 0.92943	1.20393	1.19875	1.15912	1.26997	1.11039	AVRG		1.18261		12.37150
66 Bromoform	8739 ++++	18738	43479	101077	2337019	5009179	LINR	-0.02134	0.96309		0.99966
67 Styrene	0.61532 0.83519	0.66055	0.65907	0.61764	0.85254	0.90719	AVRG		0.73536		16.92192
68 o-Xylene	1.38561 1.12205	1.20778	1.21051	1.15289	1.29486	1.26338	AVRG		1.23387		7.24163
69 1,1,2,2-Tetrachloroethane	0.74412 0.79582	0.79013	0.78366	0.76117	0.87915	0.86089	AVRG		0.80214		6.22328
70 Isopropylbenzene	1.46622 1.39261	1.44323	1.43644	1.37847	1.73564	1.62100	AVRG		1.49623		8.83170
71 N-Propylbenzene	17971 13417407	37671	113347	272885	4818999	9567818	QUAD	-0.04746	2.25771	-0.22146	0.99952

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	30.0000 Level 7							b	m1	m2	
72 4-Ethyltoluene	11785 ++++	26891	82727	207267	3744338	7823140	LINR	-0.02252	1.50539		0.99985
73 1,3,5-Trimethylbenzene	0.75718 1.15509	0.80900	0.99126	0.96373	1.32369	1.29614	AVRG		1.04230		21.48312
74 Tert-Butyl Benzene	0.79249 1.17389	0.85943	0.99015	1.00871	1.36313	1.35942	AVRG		1.07817		21.13332
75 1,2,4-Trimethylbenzene	0.74692 1.04789	0.82654	0.91061	0.98111	1.27207	1.25797	AVRG		1.00616		20.08694
76 1,3-Dichlorobenzene	4700 6128107	12239	30903	73966	1649012	4076885	LINR	-0.01899	0.73818		0.99672
77 Sec- Butylbenzene	0.92500 1.46336	1.08396	1.29832	1.36673	1.84322	1.77501	AVRG		1.39366		24.11614
79 Benzyl chloride	2294 ++++	4173	11574	26643	1191066	++++	LINR	-0.01578	0.49071		0.99654

... primary, direct, services, =

INITIAL CALIBRATION DATA

1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801

Report Date : 31-Mar-2016 13:34

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2016 09:43
End Cal Date : 30-MAR-2016 12:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air0.i\033016.b\T015_090-16.m
Last Edit : 31-Mar-2016 07:09 mlytle

Compound (all.sb)	0.1000000 Level 1	0.2000000 Level 2	0.5000000 Level 3	1.0000 Level 4	10.0000 Level 5	20.0000 Level 6	Curve	Coefficients		%RSD or R^2
	30.0000 Level 7							b	m1 m2	
87 Hexachlorobutadiene	0.37862 0.38486	0.33949	0.33976	0.35041	0.34680	0.39632	AVRG		0.36232	6.51429
\$ 28 Hexane-d14(S)	0.46824 0.49203	0.47545	0.46512	0.48678	0.44913	0.46503	AVRG		0.47168	3.07675
\$ 55 Toluene-d8 (S)	0.71222 0.81305	0.71085	0.67996	0.72454	0.73691	0.78012	AVRG		0.73681	6.15724
\$ 78 1,4-dichlorobenzene-d4 (S)	0.26413 0.51852	0.27776	0.29429	0.31229	0.41243	0.51291	AVRG		0.37033	29.79683

Report Date : 31-Mar-2016 13:34

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2016 09:43
End Cal Date : 30-MAR-2016 12:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air0.i\033016.b\T015_090-16.m
Last Edit : 31-Mar-2016 07:09 mlytle

Average %RSD Results.

=====

Calculated Average %RSD =	12.78564
Maximum Average %RSD =	0.000e+000
* Failed Average %RSD Test.	

=====

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338324

Lab File ID: 09101BFB.D

BFB Injection Date: 03/31/2016

Instrument ID: 10AIR0

BFB Injection Time: 09:15

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.45
75	30.00 - 66.00% of mass 95	47.32
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.88 (0.87)
174	50.00 - 120.00% of mass 95	100.79
175	4.00 - 9.00% of mass 174	7.44 (7.39)
176	93.00 - 101.00% of mass 174	98.99 (98.21)
177	5.00 - 9.00% of mass 176	6.15 (6.21)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	09102.D	03/31/2016	09:42
2	IC	IC	09104.D	03/31/2016	10:51
3	VP-NYSDEC-5_30_201602	10338324004	09112.D	03/31/2016	16:13
4	VP-NYSDEC-5_40_201602	10338324005	09113.D	03/31/2016	16:41
5	VP-NYSDEC-5_50_201602	10338324006	09114.D	03/31/2016	17:09
6	VP-9_60_20160209	10338324013	09115.D	03/31/2016	17:37
7	VP-9_40_20160209	10338324011	09116.D	03/31/2016	18:05
8	VP-105_72_20160209	10338324019	09117.D	03/31/2016	18:33
9	VP-9_30_20160209	10338324010	09118.D	03/31/2016	19:01
10	VP-9_20_20160209	10338324009	09119.D	03/31/2016	19:29
11	VP-105_50_20160209	10338324017	09120.D	03/31/2016	19:58
12	VP-9_50_20160209	10338324012	09121.D	03/31/2016	20:25
13	VP-105_60_20160209	10338324018	09122.D	03/31/2016	20:53
14	VP-NYSDEC-5_20_201602	10338324003	09123.D	03/31/2016	21:21

1,1,2-trichlorotrifluoroethane, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene, 1,1-dichloroethene, chloroform, and/or chlorodifluoromethane only

Data File: \\192.168.10.12\chem\10air0.i\033116.b\09102.D
Report Date: 31-Mar-2016 09:57

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air0.i Injection Date: 31-MAR-2016 09:42
Lab File ID: 09102.D Init. Cal. Date(s): 30-MAR-2016 30-MAR-2016
Analysis Type: AIR Init. Cal. Times: 09:43 12:37
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air0.i\033116.b\TO15_090-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	10.00000	9.53354	0.25413	0.010	-4.66457	30.00000	Line	
2 Propylene	10.00000	10.75556	0.08971	0.010	7.55557	30.00000	Line	
3 Dichlorodifluoromethane	10.00000	10.85393	0.55909	0.010	8.53926	30.00000	Line	(H)
4 Dichlorotetrafluoroethane	0.51881	0.51647	0.51647	0.010	-0.45185	30.00000	Aver	
5 Chloromethane	10.00000	10.91816	0.17220	0.010	9.18161	30.00000	Line	
6 Vinyl chloride	0.14517	0.15640	0.15640	0.010	7.73487	30.00000	Aver	
7 1,3-Butadiene	0.09486	0.09237	0.09237	0.010	-2.62401	30.00000	Aver	
8 Bromomethane	0.14847	0.14054	0.14054	0.010	-5.34406	30.00000	Aver	
9 Chloroethane	0.05211	0.04721	0.04721	0.010	-9.40732	30.00000	Aver	
10 Ethanol	50.00000	52.33778	0.03206	0.005	4.67555	30.00000	Line	(A)
11 Vinyl Bromide	0.12447	0.12255	0.12255	0.010	-1.54788	30.00000	Aver	
12 Isopentane	10.00000	10.12917	0.10040	0.010	1.29167	30.00000	Line	
13 Acrolein	0.03073	0.03127	0.03127	0.010	1.77666	30.00000	Aver	
14 Trichlorofluoromethane	0.39400	0.33533	0.33533	0.010	-14.89050	30.00000	Aver	
15 Acetone	50.00000	47.98593	0.13637	0.010	-4.02813	30.00000	Quad	(A)
16 Isopropyl Alcohol	0.14270	0.13928	0.13928	0.010	-2.39495	30.00000	Aver	(A)
17 Acrylonitrile	0.07586	0.07374	0.07374	0.010	-2.79964	30.00000	Aver	
18 1,1-Dichloroethene	0.17359	0.16855	0.16855	0.010	-2.90396	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.15476	0.17288	0.17288	0.010	11.70546	30.00000	Aver	(A)
20 Freon 113	0.26351	0.23531	0.23531	0.010	-10.69894	30.00000	Aver	
21 Methylene chloride	++++	0.11315	0.11315	0.010	++++	30.00000	Aver	(a) <-
22 Allyl Chloride	0.04255	0.04313	0.04313	0.010	1.35658	30.00000	Aver	
23 Carbon Disulfide	0.31216	0.32789	0.32789	0.010	5.03882	30.00000	Aver	
24 trans-1,2-dichloroethene	0.12948	0.12052	0.12052	0.010	-6.92315	30.00000	Aver	
25 Methyl Tert Butyl Ether	0.24381	0.25333	0.25333	0.010	3.90431	30.00000	Aver	(A)
26 Vinyl Acetate	0.32906	0.29425	0.29425	0.010	-10.58003	30.00000	Aver	
27 1,1-Dichloroethane	0.28472	0.29572	0.29572	0.010	3.86471	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.47168	0.46678	0.46678	0.010	-1.03918	30.00000	Aver	
29 Methyl Ethyl Ketone	0.07960	0.08068	0.08068	0.010	1.35918	30.00000	Aver	(A)
30 n-Hexane	10.00000	10.08944	0.30538	0.010	0.89443	30.00000	Quad	(M)
31 Di-isopropyl Ether	0.35188	0.33775	0.33775	0.010	-4.01492	30.00000	Aver	(A)
32 Ethyl Acetate	0.29253	0.29495	0.29495	0.010	0.82539	30.00000	Aver	
33 cis-1,2-Dichloroethene	0.17990	0.20381	0.20381	0.010	13.28612	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.30444	0.34629	0.34629	0.010	13.74795	30.00000	Aver	(A)
35 Chloroform	0.43253	0.43244	0.43244	0.010	-0.02095	30.00000	Aver	
36 Tetrahydrofuran	10.00000	10.47503	0.14264	0.010	4.75034	30.00000	Line	
37 1,1,1-Trichloroethane	0.39893	0.44837	0.44837	0.010	12.39163	30.00000	Aver	
38 1,2-Dichloroethane	0.29946	0.29708	0.29708	0.010	-0.79282	30.00000	Aver	
39 Benzene	10.00000	10.49034	0.52492	0.010	4.90338	30.00000	Quad	
40 Carbon tetrachloride	0.41540	0.46272	0.46272	0.010	11.38944	30.00000	Aver	
41 Cyclohexane	0.19364	0.19777	0.19777	0.010	2.13108	30.00000	Aver	
42 Tert Amyl Methyl Ether	50.00000	57.39194	0.35298	0.010	14.78388	30.00000	Line	(A)

Data File: \\192.168.10.12\chem\10air0.i\033116.b\09102.D
Report Date: 31-Mar-2016 09:57

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\192.168.10.12\chem\10air0.i\033116.b\09102.D
Report Date: 31-Mar-2016 09:57

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air0.i Injection Date: 31-MAR-2016 09:42
Lab File ID: 09102.D Init. Cal. Date(s): 30-MAR-2016 30-MAR-2016
Analysis Type: AIR Init. Cal. Times: 09:43 12:37
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air0.i\033116.b\TO15_090-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	0.55199	0.59000	0.59000	0.010	6.88551	30.00000	Aver	
45 Heptane	0.20342	0.22300	0.22300	0.010	9.62342	30.00000	Aver	
46 1,2-Dichloropropane	0.16598	0.18458	0.18458	0.010	11.20615	30.00000	Aver	
47 Trichloroethene	0.21745	0.26295	0.26295	0.010	20.92117	30.00000	Aver	
48 Methyl methacrylate	0.13517	0.16942	0.16942	0.010	25.34040	30.00000	Aver	
49 1,4-Dioxane	0.09395	0.11999	0.11999	0.010	27.71931	30.00000	Aver	
50 Bromodichloromethane	0.39726	0.46349	0.46349	0.010	16.67100	30.00000	Aver	
51 Methylcyclohexane	0.09985	0.12532	0.12532	0.010	25.51135	30.00000	Aver	
52 Methyl Isobutyl Ketone	0.24947	0.25970	0.25970	0.010	4.09984	30.00000	Aver	(A)
53 cis-1,3-Dichloropropene	0.24436	0.31566	0.31566	0.010	29.17821	30.00000	Aver	
54 trans-1,3-Dichloropropene	10.00000	10.23045	0.28942	0.010	2.30452	30.00000	Line	
\$ 55 Toluene-d8 (S)	0.73681	0.77912	0.77912	0.010	5.74261	30.00000	Aver	
56 Toluene	10.00000	10.44181	0.60262	0.010	4.41811	30.00000	Quad	
57 1,1,2-Trichloroethane	0.19867	0.22695	0.22695	0.010	14.23659	30.00000	Aver	
58 Methyl Butyl Ketone	0.47826	0.53333	0.53333	0.010	11.51570	30.00000	Aver	(A)
59 Dibromochloromethane	0.81233	0.97101	0.97101	0.010	19.53488	30.00000	Aver	
60 1,2-Dibromoethane	0.75138	0.81766	0.81766	0.010	8.82112	30.00000	Aver	
61 Tetrachloroethene	0.78595	0.86171	0.86171	0.010	9.63921	30.00000	Aver	
63 Chlorobenzene	0.92262	1.02172	1.02172	0.010	10.74033	30.00000	Aver	
64 Ethyl Benzene	1.45010	1.65027	1.65027	0.010	13.80421	30.00000	Aver	
65 m&p-Xylene	1.18261	1.18250	1.18250	0.010	-0.00996	30.00000	Aver	
66 Bromoform	10.00000	9.75734	0.91839	0.010	-2.42663	30.00000	Line	
67 Styrene	0.73536	0.87297	0.87297	0.010	18.71409	30.00000	Aver	
68 o-Xylene	1.23387	1.29560	1.29560	0.010	5.00306	30.00000	Aver	
69 1,1,2,2-Tetrachloroethane	0.80214	0.86402	0.86402	0.010	7.71508	30.00000	Aver	
70 Isopropylbenzene	1.49623	1.70360	1.70360	0.010	13.85946	30.00000	Aver	
71 N-Propylbenzene	10.00000	9.71364	1.93663	0.010	-2.86355	30.00000	Quad	
72 4-Ethyltoluene	10.00000	10.21195	1.51477	0.010	2.11946	30.00000	Line	
73 1,3,5-Trimethylbenzene	1.04230	1.32225	1.32225	0.010	26.85851	30.00000	Aver	
74 Tert-Butyl Benzene	1.07817	1.37918	1.37918	0.010	27.91797	30.00000	Aver	
75 1,2,4-Trimethylbenzene	1.00616	1.25941	1.25941	0.010	25.17008	30.00000	Aver	
76 1,3-Dichlorobenzene	10.00000	9.61406	0.69070	0.010	-3.85943	30.00000	Line	
77 Sec- Butylbenzene	1.39366	1.83867	1.83867	0.010	31.93164	30.00000	Aver	<-
\$ 78 1,4-dichlorobenzene-d4 (S)	0.37033	0.45155	0.45155	0.010	21.93089	30.00000	Aver	
79 Benzyl Chloride	10.00000	10.61937	0.50533	0.010	6.19365	30.00000	Line	(M)
80 1,4-Dichlorobenzene	10.00000	9.04502	0.59432	0.010	-9.54980	30.00000	Line	
81 p-Isopropyltoluene	10.00000	10.17608	1.41261	0.010	1.76080	30.00000	Line	
82 1,2,3-Trimethylbenzene	0.96232	1.17620	1.17620	0.010	22.22518	30.00000	Aver	
83 1,2-Dichlorobenzene	10.00000	9.75675	0.66135	0.010	-2.43246	30.00000	Line	
84 N-Butylbenzene	10.00000	10.43087	1.15408	0.010	4.30867	30.00000	Line	
85 1,2,4-Trichlorobenzene	10.00000	12.92019	0.08463	0.010	29.20187	30.00000	Line	
86 Naphthalene	10.00000	11.75724	0.23182	0.010	17.57242	30.00000	Line	

Data File: \\192.168.10.12\chem\10air0.i\033116.b\09102.D
Report Date: 31-Mar-2016 09:57

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: \\192.168.10.12\chem\10air0.i\033116.b\09102.D
Report Date: 31-Mar-2016 09:57

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air0.i Injection Date: 31-MAR-2016 09:42
Lab File ID: 09102.D Init. Cal. Date(s): 30-MAR-2016 30-MAR-2016
Analysis Type: AIR Init. Cal. Times: 09:43 12:37
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air0.i\033116.b\TO15_090-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
87 Hexachlorobutadiene	0.36232	0.36409	0.36409	0.010	0.48877	30.00000	Aver	

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Average %D / Drift Results.	
Calculated Average %D/Drift =	9.45526
Maximun Average %D/Drift	= 0.000e+000
* Failed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338324

Lab File ID: 06905BFB.D

BFB Injection Date: 03/09/2016

Instrument ID: 10AIRB

BFB Injection Time: 09:11

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.16
75	30.00 - 66.00% of mass 95	41.09
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.59 (0.70)
174	50.00 - 120.00% of mass 95	84.19
175	4.00 - 9.00% of mass 174	6.26 (7.43)
176	93.00 - 101.00% of mass 174	81.95 (97.35)
177	5.00 - 9.00% of mass 176	5.23 (6.38)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	06906.D	03/09/2016	09:39
2	CAL2	CAL2	06907.D	03/09/2016	10:07
3	CAL3	CAL3	06908.D	03/09/2016	10:35
4	CAL4	CAL4	06909.D	03/09/2016	11:04
5	CAL5	CAL5	06910.D	03/09/2016	11:32
6	CAL6	CAL6	06911.D	03/09/2016	12:01
7	CAL7	CAL7	06912.D	03/09/2016	12:30
8	ICV	ICV	06914.D	03/09/2016	13:26
9	ICV	ICV	06914LCS.D	03/09/2016	13:26
10	CERT	CERT	06921.D	03/09/2016	17:53

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2016 09:39
End Cal Date : 09-MAR-2016 12:30
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\030916.b\TO15_069-16.m
Last Edit : 09-Mar-2016 14:59 10airB.i

Calibration File Names:
Level 01: all \\192.168.10.12\chem\10airB.i\030916.b\06906.D
Level 02: all \\192.168.10.12\chem\10airB.i\030916.b\06907.D
Level 03: all \\192.168.10.12\chem\10airB.i\030916.b\06908.D
Level 04: all \\192.168.10.12\chem\10airB.i\030916.b\06909.D
Level 05: all \\192.168.10.12\chem\10airB.i\030916.b\06910.D
Level 06: all \\192.168.10.12\chem\10airB.i\030916.b\06911.D
Level 07: all \\192.168.10.12\chem\10airB.i\030916.b\06912.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.27436	0.26283	0.27639	0.25445	0.31501	0.32175					
	0.36796						AVRG		0.29611		13.70622
2 Propylene	0.09307	0.09515	0.09599	0.09023	0.10966	0.11914					
	0.13483						AVRG		0.10544		15.72133
3 Dichlorodifluoromethane	0.56927	0.56905	0.58711	0.54606	0.68722	0.74508					
	0.78419						AVRG		0.64114		15.02960
4 Dichlorotetrafluoroethane	0.59387	0.56873	0.58277	0.53467	0.62954	0.67816					
	0.72895						AVRG		0.61667		10.92694

Report Date : 09-Mar-2016 14:59

Pace Analytical Services, Inc.

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Last Edit : 09-Mar-2016 14:59 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
5 Chloromethane	0.17805 0.22922	0.17562	0.18324	0.16820	0.19171	0.20884	AVRG		0.19070		11.25300
6 Vinyl chloride	1016 314594	2232	5186	10512	106380	207488	QUAD	0.00005	0.17743	0.03133	0.99998
7 1,3-Butadiene	710 ++++	1494	3110	6837	69510	130662	LINR	-0.00277	0.14963		0.99855
8 Bromomethane	866 ++++	2068	4663	9472	101193	183029	LINR	-0.00315	0.21066		0.99952
9 Chloroethane	337 ++++	838	1853	4018	43996	79727	LINR	-0.00155	0.09183		0.99950
10 Ethanol	0.04879 0.05278	0.05008	0.04795	0.04271	0.04276	0.04724	AVRG		0.04747		7.78149
11 Vinyl Bromide	0.16555 0.18671	0.15564	0.16180	0.15095	0.18812	0.18221	AVRG		0.17014		9.01905

Report Date : 09-Mar-2016 14:59

Pace Analytical Services, Inc.

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
12 Isopentane	610 206154	1331	3134	6419	72168	139730	QUAD	-0.00095	0.12719	0.01706	0.99999
13 Acrolein	582 215216	1372	3325	6945	81219	148645	QUAD	-0.00128	0.05876	0.00209	0.99993
14 Trichlorofluoromethane	0.46891 0.57241	0.44237	0.43925	0.40695	0.52624	0.53408	AVRG		0.48432		12.50516
15 Acetone	0.24910 0.22888	0.20919	0.19417	0.17665	0.19232	0.20716	AVRG		0.20821		11.67734
16 Isopropyl Alcohol	0.21822 0.24989	0.19577	0.19468	0.18420	0.21482	0.22623	AVRG		0.21197		10.58632
17 Acrylonitrile	0.10158 0.13721	0.10028	0.10224	0.10330	0.12654	0.13064	AVRG		0.11454		14.10236
18 1,1-Dichloroethene	1419 351001	2515	6054	12497	134963	240021	LINR	-0.00991	0.29727		0.99693

Report Date : 09-Mar-2016 14:59

Pace Analytical Services, Inc.

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Last Edit : 09-Mar-2016 14:59 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
19 Tert Butyl Alcohol (TBA)	0.39828 0.36292	0.35961	0.34902	0.33555	0.36229	0.35280	AVRG		0.36007		5.37704
20 Freon 113	0.32275 0.38176	0.32468	0.32425	0.29833	0.37609	0.36420	AVRG		0.34172		9.35188
21 Methylene chloride	0.15328 0.17634	0.14170	0.13692	0.13081	0.16021	0.16501	AVRG		0.15204		10.78446
22 Allyl Chloride	0.06377 0.07782	0.06367	0.06341	0.06034	0.07935	0.07606	AVRG		0.06920		11.74587
23 Carbon Disulfide	2800 687067	4906	10555	21652	254834	460256	QUAD	-0.00134	0.43600	0.05193	0.99971
24 trans-1,2-dichloroethene	0.25606 0.28699	0.24485	0.23398	0.22602	0.26874	0.27481	AVRG		0.25592		8.71475
25 Methyl Tert Butyl Ether	0.69532 0.59750	0.62550	0.60586	0.58540	0.61606	0.59936	AVRG		0.61786		5.91619

Report Date : 09-Mar-2016 14:59

Pace Analytical Services, Inc.

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
26 Vinyl Acetate	2542 669248	5145	10354	23387	251617	460812	LINR	-0.02075	0.56784		0.99692
27 1,1-Dichloroethane	0.43460 0.51814	0.39015	0.37192	0.36433	0.44754	0.48054	AVRG		0.42960		13.41388
29 Methyl Ethyl Ketone	0.12224 0.12186	0.12116	0.10931	0.10750	0.11845	0.11930	AVRG		0.11712		5.22993
30 n-Hexane	2755 583836	4475	9219	20616	251079	429526	QUAD	-0.00582	0.49182	0.00454	0.99988
31 Di-isopropyl Ether	0.62702 0.49768	0.58112	0.51051	0.51413	0.48899	0.47836	AVRG		0.52826		10.37703
32 Ethyl Acetate	0.39122 0.43780	0.37707	0.34020	0.34602	0.39043	0.40912	AVRG		0.38455		8.89840
33 cis-1,2-Dichloroethene	0.29863 0.35662	0.26323	0.24975	0.25167	0.30871	0.33271	AVRG		0.29447		14.10616

Report Date : 09-Mar-2016 14:59

Pace Analytical Services, Inc.

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Last Edit : 09-Mar-2016 14:59 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.80397	0.76563	0.67754	0.69700	0.67242	0.63132				
	0.61767						AVRG		0.69508	9.77808
35 Chloroform	0.56538	0.52389	0.47040	0.46925	0.53765	0.53426				
	0.54786						AVRG		0.52124	7.17421
36 Tetrahydrofuran	0.18015	0.17457	0.14768	0.16841	0.19126	0.20575				
	0.23024						AVRG		0.18544	14.46147
37 1,1,1-Trichloroethane	0.54369	0.55911	0.51243	0.52325	0.63989	0.66323				
	0.69800						AVRG		0.59137	12.55456
38 1,2-Dichloroethane	0.40012	0.35677	0.33281	0.33445	0.40165	0.41307				
	0.43684						AVRG		0.38225	10.68215
39 Benzene	0.80801	0.75422	0.69312	0.71236	0.81157	0.82766				
	0.86649						AVRG		0.78192	8.13820
40 Carbon tetrachloride	0.57331	0.55517	0.54593	0.54377	0.68151	0.69239				
	0.71152						AVRG		0.61480	12.40328

Report Date : 09-Mar-2016 14:59

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Last Edit : 09-Mar-2016 14:59 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.37714	0.33992	0.31213	0.31978	0.34239	0.34020				
	0.35287						AVRG		0.34063	6.26566
42 Tert Amyl Methyl Ether	0.85110	0.73565	0.65355	0.63490	0.64842	0.60237				
	0.58410						AVRG		0.67287	13.69789
44 2,2,4-Trimethylpentane	1.17499	1.09674	0.97504	0.99672	1.09614	1.05310				
	1.07635						AVRG		1.06701	6.29517
45 Heptane	0.30948	0.29989	0.26684	0.27631	0.33241	0.32574				
	0.34819						AVRG		0.30841	9.62910
46 1,2-Dichloropropane	0.25331	0.25552	0.23085	0.23752	0.30116	0.30267				
	0.32272						AVRG		0.27197	13.31375
47 Trichloroethene	0.40045	0.37161	0.37207	0.37668	0.47671	0.48941				
	0.51807						AVRG		0.42928	14.71591
48 1,4-Dioxane	0.16623	0.17650	0.17003	0.17128	0.20184	0.21009				
	0.22828						AVRG		0.18918	12.76880

Report Date : 09-Mar-2016 14:59

Pace Analytical Services, Inc.

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Last Edit : 09-Mar-2016 14:59 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
49 Bromodichloromethane	3128 825543	6197	13396	28862	335893	585424	LINR	-0.01769	0.70617		0.99893
50 Methylcyclohexane	1261 ++++	2449	5572	12440	137677	238464	LINR	-0.00326	0.27623		0.99990
51 Methyl Isobutyl Ketone	0.46445 0.38667	0.44035	0.38543	0.39838	0.42245	0.37175	AVRG		0.40993		8.20395
52 cis-1,3-Dichloropropene	2212 671656	4626	9352	21890	277889	466266	LINR	-0.01532	0.57227		0.99824
53 trans-1,3-Dichloropropene	1928 650546	3948	8426	19786	260905	445939	LINR	-0.01840	0.55280		0.99754
55 Toluene	1.20295 1.12309	1.04288	0.94937	0.90568	1.15133	1.09479	AVRG		1.06715		10.11842
56 1,1,2-Trichloroethane	0.33279 0.39324	0.32308	0.30599	0.28981	0.40539	0.37938	AVRG		0.34710		13.05707

Report Date : 09-Mar-2016 14:59

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
57 Methyl Butyl Ketone	13383 2218219	25003	50292	113961	1032058	1578027	QUAD	0.02378	0.53283	-0.00916	0.99905
58 Dibromochloromethane	0.78089 0.88969	0.80681	0.75428	0.78216	1.02936	0.95075	AVRG		0.85628		12.06404
59 1,2-Dibromoethane	0.79416 0.77820	0.79563	0.73728	0.74823	0.90270	0.82695	AVRG		0.79759		6.93844
60 Tetrachloroethene	0.82070 0.69730	0.77712	0.70692	0.69485	0.80122	0.75766	AVRG		0.75083		6.89607
62 Chlorobenzene	1.19124 1.15533	1.13714	1.08021	1.04996	1.30017	1.21695	AVRG		1.16157		7.27707
63 Ethyl Benzene	1.97524 1.71423	1.83419	1.68758	1.67267	2.00563	1.83385	AVRG		1.81763		7.42693
64 m&p-Xylene	1.74197 1.17076	1.53721	1.36206	1.32943	1.47822	1.30216	AVRG		1.41740		13.14583

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
65 Bromoform	0.61331	0.61478	0.64736	0.67878	0.85486	0.77492				
	0.67786						AVRG		0.69455	12.86090
66 Styrene	0.98827	0.98830	0.99347	0.97280	1.20013	1.10996				
	1.02236						AVRG		1.03933	8.13301
67 o-Xylene	1.77488	1.50257	1.35153	1.35672	1.58358	1.44425				
	1.34260						AVRG		1.47945	10.68923
68 1,1,2,2-Tetrachloroethane	0.91021	0.89421	0.83315	0.83692	0.99429	0.89822				
	0.84410						AVRG		0.88730	6.42099
69 Isopropylbenzene	2.11237	1.94498	1.75600	1.73634	2.12060	1.93070				
	1.78717						AVRG		1.91259	8.42723
70 N-Propylbenzene	2.18679	2.10064	2.00928	2.03752	2.50988	2.27649				
	2.10246						AVRG		2.17472	7.95865
71 4-Ethyltoluene	1.89120	1.88907	1.81177	1.79345	2.18337	1.99085				
	1.84143						AVRG		1.91445	7.06794

Report Date : 09-Mar-2016 14:59

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	1.78191	1.67313	1.57021	1.56819	1.83525	1.67032					
	1.53819						AVRG		1.66246		6.82039
73 Tert-Butyl Benzene	1.87871	1.74665	1.68269	1.67976	1.88489	1.65868					
	1.48505						AVRG		1.71663		8.06408
74 1,2,4-Trimethylbenzene	1.81157	1.64871	1.61234	1.59163	1.70145	1.48375					
	1.32024						AVRG		1.59567		9.88569
75 1,3-Dichlorobenzene	1.11057	1.05771	1.05452	1.04028	1.13549	1.04421					
	0.92798						AVRG		1.05297		6.25319
76 Sec- Butylbenzene	2.44024	2.31182	2.19601	2.14999	2.35370	2.06770					
	1.82071						AVRG		2.19145		9.44791
78 Benzyl Chloride	2361	4360	13286	32427	521548	924391					
	++++						LINR	-0.01778	1.28156		0.99942
79 1,4-Dichlorobenzene	1.10641	1.03869	1.05942	1.03220	1.18647	1.11601					
	1.02857						AVRG		1.08111		5.39100

Report Date : 09-Mar-2016 14:59

Pace Analytical Services, Inc.

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
80 p-Isopropyltoluene	2.05331	1.98791	1.89350	1.88317	2.10641	1.94299				
	1.76616						AVRG		1.94764	5.85558
81 1,2,3-Trimethylbenzene	1.82016	1.64704	1.62119	1.56461	1.70558	1.57801				
	1.43867						AVRG		1.62504	7.35257
82 1,2-Dichlorobenzene	1.10459	1.02005	1.04429	1.01999	1.11469	1.06442				
	0.98529						AVRG		1.05048	4.49685
83 N-Butylbenzene	1.66612	1.60578	1.60563	1.61696	1.76363	1.60966				
	1.46194						AVRG		1.61853	5.54049
84 1,2,4-Trichlorobenzene	0.49908	0.44961	0.47113	0.51383	0.57066	0.58141				
	0.55028						AVRG		0.51943	9.64876
85 Naphthalene	1.48241	1.35450	1.44981	1.45560	1.46317	1.40606				
	1.33253						AVRG		1.42058	4.06898
86 Hexachlorobutadiene	0.64167	0.69691	0.71968	0.68357	0.56892	0.54235				
	0.48264						AVRG		0.61939	14.42032

Report Date : 09-Mar-2016 14:59

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```

Start Cal Date   : 09-MAR-2016 09:39
End Cal Date    : 09-MAR-2016 12:30
Quant Method    : ISTD
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\192.168.10.12\chem\10airB.i\030916.b\TO15_069-16.m
Last Edit      : 09-Mar-2016 14:59 10airB.i

```

Compound (all.sb)	0.000000	0.200000	0.500000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14 (S)	0.35463	0.35265	0.34316	0.35066	0.39307	0.44501					
	0.50224						AVRG		0.39163		15.46295
\$ 54 Toluene-d8 (S)	0.83151	0.82280	0.82666	0.84292	1.02968	1.09118					
	1.23064						AVRG		0.95363		17.22278
\$ 77 1,4-dichlorobenzene-d4 (S)	0.51654	0.52189	0.56937	0.58362	0.58974	0.60927					
	0.58124						AVRG		0.56738		6.17683

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-MAR-2016 09:39
End Cal Date : 09-MAR-2016 12:30
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\030916.b\T015_069-16.m
Last Edit : 09-Mar-2016 14:59 10airB.i

Average %RSD Results.	
=====	
Calculated Average %RSD = 9.86613	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338324

Lab File ID: 07101BFB.D

BFB Injection Date: 03/11/2016

Instrument ID: 10AIRB

BFB Injection Time: 08:26

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.30
75	30.00 - 66.00% of mass 95	44.58
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.57 (0.70)
174	50.00 - 120.00% of mass 95	82.20
175	4.00 - 9.00% of mass 174	5.94 (7.23)
176	93.00 - 101.00% of mass 174	79.71 (96.96)
177	5.00 - 9.00% of mass 176	5.26 (6.60)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	LCS for HBN 404595 [AIR/	2208414	07102_25420.D	03/11/2016	08:54
2	CCV	CCV	07102.D	03/11/2016	08:54
3	BLANK for HBN 404595 [AI	2208413	07104_25420.D	03/11/2016	10:17
4	CERT	CERT	07104.D	03/11/2016	10:17
5	VP-105_72_20160209	10338324019	07114.D	03/11/2016	15:45
6	VP-105_72_20160209(219	2209058-DUP	07115.D	03/11/2016	16:18
7	VP-NYSDEC-5_40_201602	10338324005	07116.D	03/11/2016	16:49
8	VP-105_32_20160209	10338324020	07118.D	03/11/2016	17:53
9	VP-105_20_20160209	10338324016	07119.D	03/11/2016	18:25
10	VP-105_5_20160209	10338324014	07121.D	03/11/2016	19:24
11	VP-105_10_20160209	10338324015	07122.D	03/11/2016	19:56
12	VP-9_10_20160209	10338324007	07123.D	03/11/2016	20:27
13	VP-9_50_20160209	10338324012	07124.D	03/11/2016	20:59
14	VP-NYSDEC-5_10_201602	10338324002	07125.D	03/11/2016	21:31
15	VP-NYSDEC-5_20_201602	10338324003	07126.D	03/11/2016	22:02
16	VP-NYSDEC-5_50_201602	10338324006	07127.D	03/11/2016	22:34
17	VP-105_60_20160209	10338324018	07128.D	03/11/2016	23:05
18	VP-9_30_20160209	10338324010	07129.D	03/11/2016	23:37
19	VP-NYSDEC-5_5_2016020	10338324001	07130.D	03/12/2016	00:09
20	VP-105_50_20160209	10338324017	07131.D	03/12/2016	00:40
21	VP-NYSDEC-5_30_201602	10338324004	07132.D	03/12/2016	01:12
22	VP-9_60_20160209	10338324013	07133.D	03/12/2016	01:44
23	VP-9_20_20160209	10338324009	07134.D	03/12/2016	02:16
24	VP-9_10_20160209DUP	10338324008	07135.D	03/12/2016	02:47
25	VP-9_40_20160209	10338324011	07137.D	03/12/2016	03:48

Data File: \\192.168.10.12\chem\10airB.i\031116.b\07102.D
 Report Date: 11-Mar-2016 09:23

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 11-MAR-2016 08:54
 Lab File ID: 07102.D Init. Cal. Date(s): 09-MAR-2016 09-MAR-2016
 Analysis Type: AIR Init. Cal. Times: 09:39 12:30
 Lab Sample ID: ccv Quant Type: ISTD
 Method: \\192.168.10.12\chem\10airB.i\031116.b\TO15_069-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.29611	0.37932	0.37932	0.010	28.10048	30.00000	Aver	
2 Propylene	0.10544	0.12289	0.12289	0.010	16.54718	30.00000	Aver	
3 Dichlorodifluoromethane	0.64114	0.79573	0.79573	0.010	24.11125	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.61667	0.68630	0.68630	0.010	11.29182	30.00000	Aver	
5 Chloromethane	0.19070	0.23976	0.23976	0.010	25.73005	30.00000	Aver	
6 Vinyl chloride	10.00000	11.40136	0.24307	0.010	14.01359	30.00000	Quad	
7 1,3-Butadiene	10.00000	10.23103	0.15032	0.010	2.31025	30.00000	Line	
8 Bromomethane	10.00000	10.30882	0.21402	0.010	3.08825	30.00000	Line	
9 Chloroethane	10.00000	10.06494	0.09088	0.010	0.64944	30.00000	Line	(M)
10 Ethanol	0.04747	0.04426	0.04426	0.005	-6.75941	30.00000	Aver	
11 Vinyl Bromide	0.17014	0.20647	0.20647	0.010	21.35326	30.00000	Aver	
12 Isopentane	10.00000	10.44371	0.15049	0.010	4.43709	30.00000	Quad	(M)
13 Acrolein	25.00000	26.48162	0.06758	0.010	5.92647	30.00000	Quad	
14 Trichlorofluoromethane	0.48432	0.58741	0.58741	0.010	21.28665	30.00000	Aver	
15 Acetone	0.20821	0.20149	0.20149	0.010	-3.22686	30.00000	Aver	
16 Isopropyl Alcohol	0.21197	0.21517	0.21517	0.010	1.50989	30.00000	Aver	
17 Acrylonitrile	0.11454	0.12526	0.12526	0.010	9.35296	30.00000	Aver	
18 1,1-Dichloroethene	10.00000	9.95535	0.28603	0.010	-0.44653	30.00000	Line	
19 Tert Butyl Alcohol (TBA)	0.36007	0.38859	0.38859	0.010	7.92072	30.00000	Aver	
20 Freon 113	0.34172	0.41930	0.41930	0.010	22.70036	30.00000	Aver	
21 Methylene chloride	0.15204	0.16351	0.16351	0.010	7.54322	30.00000	Aver	
22 Allyl Chloride	0.06920	0.08382	0.08382	0.010	21.11730	30.00000	Aver	
23 Carbon Disulfide	10.00000	10.36471	0.50635	0.010	3.64707	30.00000	Quad	
24 trans-1,2-dichloroethene	0.25592	0.26463	0.26463	0.010	3.40255	30.00000	Aver	
25 Methyl Tert Butyl Ether	0.61786	0.68091	0.68091	0.010	10.20457	30.00000	Aver	
26 Vinyl Acetate	10.00000	10.12322	0.55408	0.010	1.23218	30.00000	Line	(M)
27 1,1-Dichloroethane	0.42960	0.47384	0.47384	0.010	10.29612	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.39163	0.36533	0.36533	0.010	-6.71714	30.00000	Aver	
29 Methyl Ethyl Ketone	0.11712	0.12330	0.12330	0.010	5.27876	30.00000	Aver	(M)
30 n-Hexane	10.00000	11.27255	0.55435	0.010	12.72550	30.00000	Quad	(M)
31 Di-isopropyl Ether	0.52826	0.56800	0.56800	0.010	7.52354	30.00000	Aver	
32 Ethyl Acetate	0.38455	0.45214	0.45214	0.010	17.57448	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.29447	0.29892	0.29892	0.010	1.50970	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.69508	0.77142	0.77142	0.010	10.98391	30.00000	Aver	
35 Chloroform	0.52124	0.60754	0.60754	0.010	16.55640	30.00000	Aver	
36 Tetrahydrofuran	0.18544	0.21955	0.21955	0.010	18.39592	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.59137	0.71397	0.71397	0.010	20.73117	30.00000	Aver	
38 1,2-Dichloroethane	0.38225	0.47349	0.47349	0.010	23.87011	30.00000	Aver	
39 Benzene	0.78192	0.78643	0.78643	0.010	0.57755	30.00000	Aver	
40 Carbon tetrachloride	0.61480	0.74862	0.74862	0.010	21.76694	30.00000	Aver	
41 Cyclohexane	0.34063	0.36152	0.36152	0.010	6.13211	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.67287	0.70783	0.70783	0.010	5.19529	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\031116.b\07102.D
Report Date: 11-Mar-2016 09:23

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airB.i\031116.b\07102.D
Report Date: 11-Mar-2016 09:23

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 11-MAR-2016 08:54
Lab File ID: 07102.D Init. Cal. Date(s): 09-MAR-2016 09-MAR-2016
Analysis Type: AIR Init. Cal. Times: 09:39 12:30
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\031116.b\TO15_069-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	1.06701	1.19014	1.19014	0.010	11.53989	30.00000	Aver	
45 Heptane	0.30841	0.35842	0.35842	0.010	16.21692	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.27197	0.30330	0.30330	0.010	11.52246	30.00000	Aver	(M)
47 Trichloroethene	0.42928	0.44545	0.44545	0.010	3.76519	30.00000	Aver	
48 1,4-Dioxane	0.18918	0.19022	0.19022	0.010	0.54834	30.00000	Aver	(M)
49 Bromodichloromethane	10.00000	10.19212	0.70204	0.010	1.92125	30.00000	Line	
50 Methylcyclohexane	10.00000	8.59318	0.23411	0.010	-14.06817	30.00000	Line	
51 Methyl Isobutyl Ketone	0.40993	0.43184	0.43184	0.010	5.34566	30.00000	Aver	
52 cis-1,3-Dichloropropene	10.00000	9.09781	0.50532	0.010	-9.02189	30.00000	Line	
53 trans-1,3-Dichloropropene	10.00000	9.29289	0.49531	0.010	-7.07113	30.00000	Line	(M)
54 Toluene-d8 (S)	0.95363	0.87011	0.87011	0.010	-8.75740	30.00000	Aver	
55 Toluene	1.06715	1.07048	1.07048	0.010	0.31171	30.00000	Aver	
56 1,1,2-Trichloroethane	0.34710	0.38312	0.38312	0.010	10.37829	30.00000	Aver	
57 Methyl Butyl Ketone	50.00000	68.61757	0.64971	0.010	37.23514	30.00000	Quad	<-
58 Dibromochloromethane	0.85628	1.20837	1.20837	0.010	41.11942	30.00000	Aver	<-
59 1,2-Dibromoethane	0.79759	1.01931	1.01931	0.010	27.79801	30.00000	Aver	
60 Tetrachloroethene	0.75083	0.91936	0.91936	0.010	22.44612	30.00000	Aver	
62 Chlorobenzene	1.16157	1.39470	1.39470	0.010	20.07013	30.00000	Aver	
63 Ethyl Benzene	1.81763	2.27740	2.27740	0.010	25.29499	30.00000	Aver	
64 m&p-Xylene	1.41740	1.75338	1.75338	0.010	23.70425	30.00000	Aver	
65 Bromoform	0.69455	1.07330	1.07330	0.010	54.53166	30.00000	Aver	<-
66 Styrene	1.03933	1.33299	1.33299	0.010	28.25467	30.00000	Aver	
67 o-Xylene	1.47945	1.82529	1.82529	0.010	23.37681	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	0.88730	1.09349	1.09349	0.010	23.23744	30.00000	Aver	
69 Isopropylbenzene	1.91259	2.45380	2.45380	0.010	28.29716	30.00000	Aver	
70 N-Propylbenzene	2.17472	2.83015	2.83015	0.010	30.13818	30.00000	Aver	(M) <-
71 4-Ethyltoluene	1.91445	2.41308	2.41308	0.010	26.04571	30.00000	Aver	
72 1,3,5-Trimethylbenzene	1.66246	2.05366	2.05366	0.010	23.53136	30.00000	Aver	
73 Tert-Butyl Benzene	1.71663	2.15390	2.15390	0.010	25.47234	30.00000	Aver	
74 1,2,4-Trimethylbenzene	1.59567	1.99367	1.99367	0.010	24.94273	30.00000	Aver	
75 1,3-Dichlorobenzene	1.05297	1.33330	1.33330	0.010	26.62295	30.00000	Aver	
76 Sec- Butylbenzene	2.19145	2.79845	2.79845	0.010	27.69858	30.00000	Aver	
77 1,4-dichlorobenzene-d4 (S)	0.56738	0.62627	0.62627	0.010	10.37997	30.00000	Aver	
78 Benzyl Chloride	10.00000	12.05254	1.52682	0.010	20.52538	30.00000	Line	
79 1,4-Dichlorobenzene	1.08111	1.32788	1.32788	0.010	22.82627	30.00000	Aver	
80 p-Isopropyltoluene	1.94764	2.38722	2.38722	0.010	22.57027	30.00000	Aver	(M)
81 1,2,3-Trimethylbenzene	1.62504	1.96354	1.96354	0.010	20.83078	30.00000	Aver	
82 1,2-Dichlorobenzene	1.05048	1.24951	1.24951	0.010	18.94692	30.00000	Aver	
83 N-Butylbenzene	1.61853	2.09955	2.09955	0.010	29.71967	30.00000	Aver	
84 1,2,4-Trichlorobenzene	0.51943	0.56210	0.56210	0.010	8.21489	30.00000	Aver	
85 Naphthalene	1.42058	1.28474	1.28474	0.010	-9.56244	30.00000	Aver	
86 Hexachlorobutadiene	0.61939	0.59622	0.59622	0.010	-3.74146	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\031116.b\07102.D
Report Date: 11-Mar-2016 09:23

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 15.13510
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

DATA USABILITY SUMMARY REPORT
FEBRUARY 2016 AIR SAMPLES
PROJECT: LMC GREAT NECK
NEW YORK
DATE SAMPLES COLLECTED: FEBRUARY 11, 2016
LAB REPORT No. 10338550

1.0 INTRODUCTION

Seventeen air samples including one field duplicate sample pair were collected by Tetra Tech, Inc., at the Lockheed Martin Great Neck site on February 11, 2016. The samples were sent to Pace Analytical Services, Inc. in Minneapolis, Minnesota. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation was conducted using USEPA Region II Standard Operating Procedure (SOP) HW-31, June 2014, Revision 6.

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- Data Completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- Initial/Continuing Calibrations
- Laboratory Method Blank Results
- * ● Internal Standard Results
- Laboratory Control Sample Results
- Field Duplicate Precision
- * ● Compound Identification/Quantitation
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 10338550

Sample ID	Lab ID	Date Collected	Test Requested
FPM-20_5_2016211	10338550009	2/11/2016	VOCs
FPM-20_9.4_2016211	10338550010	2/11/2016	VOCs
VP-104-10_20160211	10338550002	2/11/2016	VOCs
VP-104-19_20160211	10338550003	2/11/2016	VOCs
VP-104-30_20160211	10338550004	2/11/2016	VOCs
VP-104-40_20160211	10338550005	2/11/2016	VOCs
VP-104-5_20160211	10338550001	2/11/2016	VOCs
VP-104-50_20160211	10338550006	2/11/2016	VOCs
VP-104-62_20160211	10338550007	2/11/2016	VOCs
VP-104-73_20160211	10338550008	2/11/2016	VOCs
VP-8_10_20160211	10338550012	2/11/2016	VOCs
VP-8_20_20160211	10338550013	2/11/2016	VOCs
VP-8_5_20160211	10338550011	2/11/2016	VOCs
VP-8D_53.5_20160211	10338550014	2/11/2016	VOCs
VP-8D_62.5_20160211	10338550015	2/11/2016	VOCs
VP-8D_62.5_20160211DUP	10338550016	2/11/2016	VOCs
VP-8D_72.5_20160211	10338550017	2/11/2016	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

The results for compound 1,1,2-trichlorotrifluoroethane were missing from this report. The laboratory was contacted and confirmed the results were missing and would be provided. The results were manually added to the database.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- All samples, with the exception of samples VP-104-10_20160211, VP-104-5_20160211, and VP-104-62_20160211, exceeded the 30 day holding time from sample collection to analysis for the majority of the target compounds. Pentafluoroethyl chloride (chloropentafluoroethane), 1,1,-dichloro-2,2,2-trifluoroethane (Freon 123), 1,1-difluoroethane, 1,2-dibromo-3-chloropropane, and methyl acetate were not affected because those compounds were analyzed within 30 days. The detected and non-detected

results reported for the remaining target compounds in the affected samples were qualified as estimated, (J) and (UJ), respectively.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- The initial calibration performed on 3/08/2016 on instrument 10AIR0 had a Relative Percent Standard Deviation (%RSD) which exceeded the 30% quality control limit for pentafluoroethyl chloride. All samples were affected. Only non-detected results were reported for this compound in the affected samples and these non-detects were qualified as estimated, "UJ".
- The continuing calibration performed on 3/11/2016 @ 09:52 on instrument 10AIR0 had a Percent Difference (%D) which exceeded the 30% quality control limit for pentafluoroethyl chloride. All samples were affected. The non-detected results were reported for this compound in the affected samples were qualified as estimated, "UJ".
- The continuing calibration performed on 3/15/2016 @ 06:17 on instrument 10AIRB only reported results for cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene.
- All initial and continuing calibration Relative Response Factors (RRFs) were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set. However, as stated by the laboratory, detected results reported for the common laboratory contaminant, methylene chloride, should be considered with high bias because the organic solvent vapor extraction laboratory is in the same building. The detected methylene chloride results reported for the samples in this DUSR were qualified as biased high, estimated, (J+), or estimated, (J), due to conflicting directional bias.

Internal Standards Area Performance:

- The internal standard area counts and retention times fell within control limits for the project samples received and reviewed.

Laboratory Control Spike (LCS) Results:

- The Percent Recovery (%R) for pentafluoroethyl chloride was below the lower quality control limit in the LCS associated with preparation batch #404777 (LCS 2209416) and 404752 (2209297). The non-detected results reported for this compound in the affected samples were qualified as estimated, (UJ).
- The remaining LCS results were within the quality control limits.

Field Duplicate Precision: Field duplicates are collected to provide information on sampling precision.

- VP-8D_62.5_20160211 was collected as a field duplicate sample of VP-8D_62.5_20160211DUP. The relative percent difference (RPD) was greater than 50%. The detected results reported for methylene chloride in the field duplicate pair were qualified as estimated, (J).
- The remaining results associated with these two samples fell within quality control limits.

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Detection Limits: Non-detected results were reported to the RL. All samples were initially analyzed at dilutions ranging from 1.61X to 2.45X, resulting in elevated reporting limits. Samples VP-104-73_20160211, VP-8D_53.5_20160211, VP-8D_62.5_20160211, and VP-8D_62.5_20160211DUP were further diluted to report results for cis-1,2-trichloroethene, tetrachloroethene, and/or trichloroethene which exceeded the calibration range of the instrument in the initial analyses.

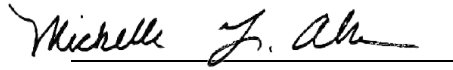
Additional Comments: All sample canisters contained an initial vacuum of approximately -28 to -30 psig and finished at -8 to -8.5 psig.

4.0 CONCLUSIONS

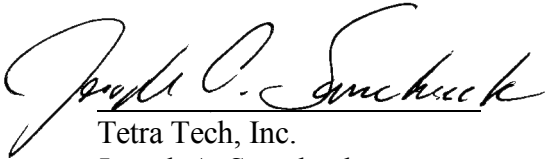
The detected results for methylene chloride should be considered a probable laboratory contaminant because of the following:

- The samples were analyzed in the same building as the organic solvent vapor extraction laboratory.

With the exception of the aforementioned detected methylene chloride results, which are considered to be related to lab contamination, overall data quality as summarized in the DUSR is acceptable based on the outcome of data validation.



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Chemist/Data Validator



Tetra Tech, Inc.
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Data Validation Manager

June 14, 2016

Attachments:

- Appendix A – Qualified Analytical Results
- Appendix B – Results as Reported by the Laboratory
- Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	FPM-20_5_2016211			FPM-20_5_2016211RE			FPM-20_9.4_2016211			FPM-20_9.4_2016211RE		
	LAB_ID	10338550009			10338550009			10338550010			10338550010		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.9 UJ	H					2.1 UJ	H	
1,1,2,2-TETRACHLOROETHANE					1.2 UJ	H					1.3 UJ	H	
1,1,2-TRICHLOROETHANE					0.96 UJ	H					1.1 UJ	H	
1,1,2-TRICHLOROTRIFLUOROETHANE					2.8 UJ	H					3.1 UJ	H	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6 U						6.1 U					
1,1-DICHLOROETHANE					1.4 UJ	H					1.6 UJ	H	
1,1-DICHLOROETHENE					1.4 UJ	H					1.6 UJ	H	
1,1-DIFLUOROETHANE		2.4 U						2.6 U					
1,2,4-TRICHLOROBENZENE					13.2 UJ	H					14.5 UJ	H	
1,2,4-TRIMETHYLBENZENE					1.7 UJ	H					1.9 UJ	H	
1,2-DIBROMO-3-CHLOROPROPANE		8.6 U						9.4 U					
1,2-DIBROMOETHANE					2.7 UJ	H					3 UJ	H	
1,2-DICHLOROBENZENE					2.1 UJ	H					2.3 UJ	H	
1,2-DICHLOROETHANE					0.72 UJ	H					0.79 UJ	H	
1,2-DICHLOROPROPANE					1.6 UJ	H					1.8 UJ	H	
1,2-DICHLOROTETRAFLUOROETHANE					2.5 UJ	H					2.7 UJ	H	
1,3,5-TRIMETHYLBENZENE					1.7 UJ	H					1.9 UJ	H	
1,3-BUTADIENE					0.79 UJ	H					0.86 UJ	H	
1,3-DICHLOROBENZENE					2.1 UJ	H					2.3 UJ	H	
1,4-DICHLOROBENZENE					2.1 UJ	H					2.3 UJ	H	
1,4-DIOXANE					6.4 UJ	H					7 UJ	H	
1-ETHYL-4-METHYL BENZENE					1.8 UJ	H					1.9 UJ	H	
2-BUTANONE					5.2 UJ	H					6.7 J	H	
2-HEXANONE					7.3 UJ	H					8 U	H	
3-CHLOROPROPENE					2.8 UJ	H					3.1 UJ	H	
4-METHYL-2-PENTANONE					7.3 UJ	H					8 UJ	H	
ACETONE					8.2 J	H					23.6 J	H	
BENZENE					1.1 UJ	H					1.2 UJ	H	
BROMODICHLOROMETHANE					2.4 UJ	H					2.6 UJ	H	
BROMOFORM					3.7 UJ	H					4 UJ	H	
BROMOMETHANE					1.4 UJ	H					1.5 UJ	H	
CARBON DISULFIDE					1.1 UJ	H					1.2 UJ	H	
CARBON TETRACHLORIDE					1.1 UJ	H					1.2 UJ	H	
CHLOROBENZENE					1.6 UJ	H					1.8 UJ	H	
CHLORODIBROMOMETHANE					3 UJ	H					3.3 UJ	H	

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	FPM-20_9.4_2016211RE1			VP-104-10_20160211			VP-104-10_20160211RE			VP-104-19_20160211		
	LAB_ID	10338550010			10338550002			10338550002			10338550003		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE								1.9	U				
1,1,2,2-TETRACHLOROETHANE								1.2	U				
1,1,2-TRICHLOROETHANE								0.96	U				
1,1,2-TRICHLOROTRIFLUOROETHANE								2.8	U				
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					5.6	U					5.6	U	
1,1-DICHLOROETHANE								1.4	U				
1,1-DICHLOROETHENE								1.4	U				
1,1-DIFLUOROETHANE					2.4	U					2.4	U	
1,2,4-TRICHLOROBENZENE								6.6	U				
1,2,4-TRIMETHYLBENZENE								1.7	U				
1,2-DIBROMO-3-CHLOROPROPANE					8.6	U					8.6	U	
1,2-DIBROMOETHANE								2.7	U				
1,2-DICHLOROBENZENE								2.1	U				
1,2-DICHLOROETHANE								0.72	U				
1,2-DICHLOROPROPANE								1.6	U				
1,2-DICHLOROTETRAFLUOROETHANE								2.5	U				
1,3,5-TRIMETHYLBENZENE								1.7	U				
1,3-BUTADIENE								0.79	U				
1,3-DICHLOROBENZENE								2.1	U				
1,4-DICHLOROBENZENE								2.1	U				
1,4-DIOXANE								6.4	U				
1-ETHYL-4-METHYL BENZENE								1.8	U				
2-BUTANONE								5.2	U				
2-HEXANONE								7.3	U				
3-CHLOROPROPENE								2.8	U				
4-METHYL-2-PENTANONE								7.3	U				
ACETONE								12.9					
BENZENE								0.57	U				
BROMODICHLOROMETHANE								2.4	U				
BROMOFORM								3.7	U				
BROMOMETHANE								1.4	U				
CARBON DISULFIDE								1.1	U				
CARBON TETRACHLORIDE								1.1	U				
CHLOROBENZENE								1.6	U				
CHLORODIBROMOMETHANE								3	U				

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-104-19_20160211RE			VP-104-30_20160211			VP-104-40_20160211			VP-104-40_20160211RE		
	LAB_ID	10338550003			10338550004			10338550005			10338550005		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	UJ	H	2.7	UJ	H				2.1	UJ	H
1,1,2,2-TETRACHLOROETHANE		1.2	UJ	H	1.7	UJ	H				1.3	UJ	H
1,1,2-TRICHLOROETHANE		0.96	UJ	H	1.3	UJ	H				1.1	UJ	H
1,1,2-TRICHLOROTRIFLUOROETHANE		10.3	J	H	61.3	J	H				76.7	J	H
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					5.8	U		6.1	U				
1,1-DICHLOROETHANE		1.4	UJ	H	2	UJ	H				1.6	UJ	H
1,1-DICHLOROETHENE		1.4	UJ	H	2	UJ	H				1.6	UJ	H
1,1-DIFLUOROETHANE					2.5	U		2.6	U				
1,2,4-TRICHLOROBENZENE		13.2	UJ	H	18.5	UJ	H				14.5	UJ	H
1,2,4-TRIMETHYLBENZENE		1.7	UJ	H	2.4	UJ	H				1.9	UJ	H
1,2-DIBROMO-3-CHLOROPROPANE					9	U		9.4	U				
1,2-DIBROMOETHANE		2.7	UJ	H	3.8	UJ	H				3	UJ	H
1,2-DICHLOROBENZENE		2.1	UJ	H	3	UJ	H				2.3	UJ	H
1,2-DICHLOROETHANE		0.72	UJ	H	1	UJ	H				0.79	UJ	H
1,2-DICHLOROPROPANE		1.6	UJ	H	2.3	UJ	H				1.8	UJ	H
1,2-DICHLOROTETRAFLUOROETHANE		2.5	UJ	H	3.7	J	H				2.7	UJ	H
1,3,5-TRIMETHYLBENZENE		1.7	UJ	H	2.4	UJ	H				1.9	UJ	H
1,3-BUTADIENE		0.79	UJ	H	1.1	UJ	H				0.86	UJ	H
1,3-DICHLOROBENZENE		2.1	UJ	H	3	UJ	H				2.3	UJ	H
1,4-DICHLOROBENZENE		2.1	UJ	H	3	UJ	H				2.3	UJ	H
1,4-DIOXANE		6.4	UJ	H	9	UJ	H				7	UJ	H
1-ETHYL-4-METHYL BENZENE		1.8	UJ	H	2.4	UJ	H				1.9	UJ	H
2-BUTANONE		5.2	UJ	H	7.4	UJ	H				5.8	UJ	H
2-HEXANONE		7.3	UJ	H	10.2	UJ	H				8	UJ	H
3-CHLOROPROPENE		2.8	UJ	H	3.9	UJ	H				3.1	UJ	H
4-METHYL-2-PENTANONE		7.3	UJ	H	10.2	UJ	H				8	UJ	H
ACETONE		11.1	J	H	37	J	H				8	J	H
BENZENE		1.1	UJ	H	1.6	UJ	H				1.2	UJ	H
BROMODICHLOROMETHANE		2.4	UJ	H	3.3	UJ	H				2.6	UJ	H
BROMOFORM		3.7	UJ	H	5.1	UJ	H				4	UJ	H
BROMOMETHANE		1.4	UJ	H	1.9	UJ	H				1.5	UJ	H
CARBON DISULFIDE		1.1	UJ	H	1.5	UJ	H				1.2	UJ	H
CARBON TETRACHLORIDE		1.1	UJ	H	1.6	UJ	H				1.2	UJ	H
CHLOROBENZENE		1.6	UJ	H	2.3	UJ	H				1.8	UJ	H
CHLORODIBROMOMETHANE		3	UJ	H	4.2	UJ	H				3.3	UJ	H

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-104-5_20160211			VP-104-5_20160211RE			VP-104-50_20160211			VP-104-50_20160211RE		
	LAB_ID	10338550001			10338550001			10338550006			10338550006		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.9 U						1.9 UJ	H	
1,1,2,2-TETRACHLOROETHANE					1.2 U						1.2 UJ	H	
1,1,2-TRICHLOROETHANE					0.96 U						0.96 UJ	H	
1,1,2-TRICHLOROTRIFLUOROETHANE					2.8 U						102 J	H	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6 U						5.6 U					
1,1-DICHLOROETHANE					1.4 U						1.4 UJ	H	
1,1-DICHLOROETHENE					1.4 U						1.4 UJ	H	
1,1-DIFLUOROETHANE		20.2						2.4 U					
1,2,4-TRICHLOROBENZENE					6.6 U						13.2 UJ	H	
1,2,4-TRIMETHYLBENZENE					2						1.7 UJ	H	
1,2-DIBROMO-3-CHLOROPROPANE		8.6 U						8.6 U					
1,2-DIBROMOETHANE					2.7 U						2.7 UJ	H	
1,2-DICHLOROBENZENE					2.1 U						2.1 UJ	H	
1,2-DICHLOROETHANE					0.72 U						0.72 UJ	H	
1,2-DICHLOROPROPANE					1.6 U						1.6 UJ	H	
1,2-DICHLOROTETRAFLUOROETHANE					2.5 U						2.5 UJ	H	
1,3,5-TRIMETHYLBENZENE					1.7 U						1.7 UJ	H	
1,3-BUTADIENE					0.79 U						0.79 UJ	H	
1,3-DICHLOROBENZENE					2.1 U						2.1 UJ	H	
1,4-DICHLOROBENZENE					2.1 U						2.1 UJ	H	
1,4-DIOXANE					6.4 U						6.4 UJ	H	
1-ETHYL-4-METHYL BENZENE					1.8 U						1.8 UJ	H	
2-BUTANONE					5.2 U						5.2 UJ	H	
2-HEXANONE					7.3 U						7.3 UJ	H	
3-CHLOROPROPENE					2.8 U						2.8 UJ	H	
4-METHYL-2-PENTANONE					7.3 U						7.3 UJ	H	
ACETONE					138						21.9 J	H	
BENZENE					1.1						1.1 UJ	H	
BROMODICHLOROMETHANE					2.4 U						2.4 UJ	H	
BROMOFORM					3.7 U						3.7 UJ	H	
BROMOMETHANE					1.4 U						1.4 UJ	H	
CARBON DISULFIDE					1.1 U						1.1 UJ	H	
CARBON TETRACHLORIDE					1.1 U						1.1 UJ	H	
CHLOROBENZENE					1.6 U						1.6 UJ	H	
CHLORODIBROMOMETHANE					3 U						3 UJ	H	

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-104-62_20160211			VP-104-62_20160211RE			VP-104-73_20160211			VP-8_10_20160211		
	LAB_ID	10338550007			10338550007			10338550008			10338550012		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.9			2.6	UJ	H			
1,1,1,2-TETRACHLOROETHANE					1.1	U		1.6	UJ	H			
1,1,2-TRICHLOROETHANE					0.89	U		1.3	UJ	H			
1,1,2-TRICHLOROTRIFLUOROETHANE					143			96	J	H			
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.1	U					5.6	U		5.6	U	
1,1-DICHLOROETHANE					1.3	U		1.9	UJ	H			
1,1-DICHLOROETHENE					1.3	U		1.9	UJ	H			
1,1-DIFLUOROETHANE		2.2	U					2.4	U		17.5		
1,2,4-TRICHLOROBENZENE					6.1	U		17.7	UJ	H			
1,2,4-TRIMETHYLBENZENE					1.6	U		2.3	UJ	H			
1,2-DIBROMO-3-CHLOROPROPANE		7.9	U					8.6	U		8.6	U	
1,2-DIBROMOETHANE					2.5	U		3.7	UJ	H			
1,2-DICHLOROBENZENE					2	U		2.9	UJ	H			
1,2-DICHLOROETHANE					0.66	U		0.96	UJ	H			
1,2-DICHLOROPROPANE					1.5	U		2.2	UJ	H			
1,2-DICHLOROTETRAFLUOROETHANE					2.3	U		3.3	UJ	H			
1,3,5-TRIMETHYLBENZENE					1.6	U		2.3	UJ	H			
1,3-BUTADIENE					0.72	U		1.1	UJ	H			
1,3-DICHLOROBENZENE					2	U		2.9	UJ	H			
1,4-DICHLOROBENZENE					2	U		2.9	UJ	H			
1,4-DIOXANE					5.9	U		8.6	UJ	H			
1-ETHYL-4-METHYL BENZENE					1.6	U		2.4	UJ	H			
2-BUTANONE					7.2			7	UJ	H			
2-HEXANONE					6.7	U		9.8	UJ	H			
3-CHLOROPROPENE					2.6	U		3.7	UJ	H			
4-METHYL-2-PENTANONE					6.7	U		9.8	UJ	H			
ACETONE					28			22.5		H			
BENZENE					0.61			1.5	UJ	H			
BROMODICHLOROMETHANE					2.2	U		3.2	UJ	H			
BROMOFORM					3.4	U		4.9	UJ	H			
BROMOMETHANE					1.3	U		1.9	UJ	H			
CARBON DISULFIDE					1	U		1.5	UJ	H			
CARBON TETRACHLORIDE					1.3			1.5	UJ	H			
CHLOROBENZENE					1.5	U		2.2	UJ	H			
CHLORODIBROMOMETHANE					2.8	U		4.1	UJ	H			

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-8_10_20160211RE			VP-8_10_20160211RE1			VP-8_20_20160211			VP-8_20_20160211RE		
	LAB_ID	10338550012			10338550012			10338550013			10338550013		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	UJ	H							1.9	UJ	H
1,1,2,2-TETRACHLOROETHANE		1.2	UJ	H							1.2	UJ	H
1,1,2-TRICHLOROETHANE		0.96	UJ	H							0.96	UJ	H
1,1,2-TRICHLOROTRIFLUOROETHANE		2.8	UJ	H							2.8	UJ	H
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE								5.6	U				
1,1-DICHLOROETHANE		1.4	UJ	H							1.4	UJ	H
1,1-DICHLOROETHENE		1.4	UJ	H							1.4	UJ	H
1,1-DIFLUOROETHANE								2.4	U				
1,2,4-TRICHLOROBENZENE		13.2	UJ	H							13.2	UJ	H
1,2,4-TRIMETHYLBENZENE		1.7	UJ	H							10.1	J	H
1,2-DIBROMO-3-CHLOROPROPANE								8.6	U				
1,2-DIBROMOETHANE		2.7	UJ	H							2.7	UJ	H
1,2-DICHLOROBENZENE		2.1	UJ	H							2.1	UJ	H
1,2-DICHLOROETHANE		0.72	UJ	H							0.72	UJ	H
1,2-DICHLOROPROPANE		1.6	UJ	H							1.6	UJ	H
1,2-DICHLOROTETRAFLUOROETHANE		2.5	UJ	H							2.5	UJ	H
1,3,5-TRIMETHYLBENZENE		1.7	UJ	H							2.9	J	H
1,3-BUTADIENE		0.79	UJ	H							0.79	UJ	H
1,3-DICHLOROBENZENE		2.1	UJ	H							2.1	UJ	H
1,4-DICHLOROBENZENE		2.1	UJ	H							2.1	UJ	H
1,4-DIOXANE		6.4	UJ	H							6.4	UJ	H
1-ETHYL-4-METHYL BENZENE		1.8	UJ	H							2	J	H
2-BUTANONE		5.2	UJ	H							5.2	UJ	H
2-HEXANONE		7.3	UJ	H							7.3	UJ	H
3-CHLOROPROPENE		2.8	UJ	H							2.8	UJ	H
4-METHYL-2-PENTANONE		7.3	UJ	H							7.3	UJ	H
ACETONE		4.2	UJ	H							5.3	J	H
BENZENE		1.1	UJ	H							1.1	UJ	H
BROMODICHLOROMETHANE		2.4	UJ	H							2.4	UJ	H
BROMOFORM		3.7	UJ	H							3.7	UJ	H
BROMOMETHANE		1.4	UJ	H							1.4	UJ	H
CARBON DISULFIDE		1.1	UJ	H							1.1	UJ	H
CARBON TETRACHLORIDE		1.1	UJ	H							1.1	UJ	H
CHLOROBENZENE		1.6	UJ	H							1.6	UJ	H
CHLORODIBROMOMETHANE		3	UJ	H							3	UJ	H

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-8_5_20160211			VP-8_5_20160211RE			VP-8D_53.5_20160211			VP-8D_53.5_20160211RE		
	LAB_ID	10338550011			10338550011			10338550014			10338550014		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.9 UJ	H					2 UJ	H	
1,1,2,2-TETRACHLOROETHANE					1.2 UJ	H					1.3 UJ	H	
1,1,2-TRICHLOROETHANE					0.96 UJ	H					14.3 J	H	
1,1,2-TRICHLOROTRIFLUOROETHANE					2.8 UJ	H					244 J	H	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6 U						5.8 U					
1,1-DICHLOROETHANE					1.4 UJ	H					1.5 UJ	H	
1,1-DICHLOROETHENE					1.4 UJ	H					17.8 J	H	
1,1-DIFLUOROETHANE		2.4 U						2.5 U					
1,2,4-TRICHLOROBENZENE					13.2 UJ	H					13.8 UJ	H	
1,2,4-TRIMETHYLBENZENE					1.7 UJ	H					1.8 UJ	H	
1,2-DIBROMO-3-CHLOROPROPANE		8.6 U						9 U					
1,2-DIBROMOETHANE					2.7 UJ	H					2.9 UJ	H	
1,2-DICHLOROBENZENE					2.1 UJ	H					2.2 UJ	H	
1,2-DICHLOROETHANE					0.72 UJ	H					0.75 UJ	H	
1,2-DICHLOROPROPANE					1.6 UJ	H					1.7 UJ	H	
1,2-DICHLOROTETRAFLUOROETHANE					2.5 UJ	H					2.6 UJ	H	
1,3,5-TRIMETHYLBENZENE					1.7 UJ	H					1.8 UJ	H	
1,3-BUTADIENE					0.79 UJ	H					0.82 UJ	H	
1,3-DICHLOROBENZENE					2.1 UJ	H					2.2 UJ	H	
1,4-DICHLOROBENZENE					2.1 UJ	H					2.2 UJ	H	
1,4-DIOXANE					6.4 UJ	H					6.7 UJ	H	
1-ETHYL-4-METHYL BENZENE					1.8 UJ	H					1.8 UJ	H	
2-BUTANONE					6.7 J	H					5.5 UJ	H	
2-HEXANONE					7.3 UJ	H					7.6 UJ	H	
3-CHLOROPROPENE					2.8 UJ	H					2.9 UJ	H	
4-METHYL-2-PENTANONE					7.3 UJ	H					7.6 UJ	H	
ACETONE					32.8 J	H					13.9 J	H	
BENZENE					1.1 UJ	H					1.2 UJ	H	
BROMODICHLOROMETHANE					2.4 UJ	H					2.5 UJ	H	
BROMOFORM					3.7 UJ	H					3.8 UJ	H	
BROMOMETHANE					1.4 UJ	H					1.4 UJ	H	
CARBON DISULFIDE					1.1 UJ	H					1.2 UJ	H	
CARBON TETRACHLORIDE					1.1 UJ	H					1.2 UJ	H	
CHLOROBENZENE					1.6 UJ	H					1.7 UJ	H	
CHLORODIBROMOMETHANE					3 UJ	H					3.2 UJ	H	

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-8D_62.5_20160211			VP-8D_62.5_20160211DUP			VP-8D_62.5_20160211DUPRE			VP-8D_72.5_20160211		
	LAB_ID	10338550015			10338550016			10338550016			10338550017		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF				VP-8D_62.5_20160211			VP-8D_62.5_20160211					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		2.6	UJ	H				2	UJ	H			
1,1,2,2-TETRACHLOROETHANE		1.6	UJ	H				1.3	UJ	H			
1,1,2-TRICHLOROETHANE		13.6	J	H				13.2	J	H			
1,1,2-TRICHLOROTRIFLUOROETHANE		229	J	H				229	J	H			
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6	U		5.8	U					5.6	U	
1,1-DICHLOROETHANE		1.9	UJ	H				1.5	UJ	H			
1,1-DICHLOROETHENE		8.1	J	H				8.3	J	H			
1,1-DIFLUOROETHANE		2.4	U		2.5	U					2.4	U	
1,2,4-TRICHLOROBENZENE		17.7	UJ	H				13.8	UJ	H			
1,2,4-TRIMETHYLBENZENE		11.3	J	H				1.8	UJ	H			
1,2-DIBROMO-3-CHLOROPROPANE		8.6	U		9	U					8.6	U	
1,2-DIBROMOETHANE		3.7	UJ	H				2.9	UJ	H			
1,2-DICHLOROBENZENE		2.9	UJ	H				2.2	UJ	H			
1,2-DICHLOROETHANE		0.96	UJ	H				0.75	UJ	H			
1,2-DICHLOROPROPANE		2.2	UJ	H				1.7	UJ	H			
1,2-DICHLOROTETRAFLUOROETHANE		3.3	UJ	H				2.6	UJ	H			
1,3,5-TRIMETHYLBENZENE		2.3	UJ	H				1.8	UJ	H			
1,3-BUTADIENE		1.1	UJ	H				0.82	UJ	H			
1,3-DICHLOROBENZENE		2.9	UJ	H				2.2	UJ	H			
1,4-DICHLOROBENZENE		2.9	UJ	H				2.2	UJ	H			
1,4-DIOXANE		8.6	UJ	H				6.7	UJ	H			
1-ETHYL-4-METHYL BENZENE		4.3	J	H				1.8	UJ	H			
2-BUTANONE		7	UJ	H				5.5	UJ	H			
2-HEXANONE		9.8	UJ	H				7.6	UJ	H			
3-CHLOROPROPENE		3.7	UJ	H				2.9	UJ	H			
4-METHYL-2-PENTANONE		9.8	UJ	H				7.6	UJ	H			
ACETONE		21.3	J	H				11.1	J	H			
BENZENE		1.5	UJ	H				1.2	UJ	H			
BROMODICHLOROMETHANE		3.2	UJ	H				2.5	UJ	H			
BROMOFORM		4.9	UJ	H				3.8	UJ	H			
BROMOMETHANE		1.9	UJ	H				1.4	UJ	H			
CARBON DISULFIDE		1.5	UJ	H				1.2	UJ	H			
CARBON TETRACHLORIDE		1.5	UJ	H				1.2	UJ	H			
CHLOROBENZENE		2.2	UJ	H				1.7	UJ	H			
CHLORODIBROMOMETHANE		4.1	UJ	H				3.2	UJ	H			

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-8D_72.5_20160211RE		
	LAB_ID	10338550017		
	SAMP_DATE	2/11/2016		
	QC_TYPE	NM		
	UNITS	UG/M3		
	PCT_SOLIDS			
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	UJ	H
1,1,2,2-TETRACHLOROETHANE		1.2	UJ	H
1,1,2-TRICHLOROETHANE		10.3	J	H
1,1,2-TRICHLOROTRIFLUOROETHANE		203	J	H
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE				
1,1-DICHLOROETHANE		1.4	UJ	H
1,1-DICHLOROETHENE		5.1	J	H
1,1-DIFLUOROETHANE				
1,2,4-TRICHLOROBENZENE		13.2	UJ	H
1,2,4-TRIMETHYLBENZENE		1.7	UJ	H
1,2-DIBROMO-3-CHLOROPROPANE				
1,2-DIBROMOETHANE		2.7	UJ	H
1,2-DICHLOROBENZENE		2.1	UJ	H
1,2-DICHLOROETHANE		0.72	UJ	H
1,2-DICHLOROPROPANE		1.6	UJ	H
1,2-DICHLOROTETRAFLUOROETHANE		2.5	UJ	H
1,3,5-TRIMETHYLBENZENE		1.7	UJ	H
1,3-BUTADIENE		0.79	UJ	H
1,3-DICHLOROBENZENE		2.1	UJ	H
1,4-DICHLOROBENZENE		2.1	UJ	H
1,4-DIOXANE		6.4	UJ	H
1-ETHYL-4-METHYL BENZENE		1.8	UJ	H
2-BUTANONE		5.2	UJ	H
2-HEXANONE		7.3	UJ	H
3-CHLOROPROPENE		2.8	UJ	H
4-METHYL-2-PENTANONE		7.3	UJ	H
ACETONE		12.6	J	H
BENZENE		1.1	UJ	H
BROMODICHLOROMETHANE		2.4	UJ	H
BROMOFORM		3.7	UJ	H
BROMOMETHANE		1.4	UJ	H
CARBON DISULFIDE		1.1	UJ	H
CARBON TETRACHLORIDE		1.1	UJ	H
CHLOROBENZENE		1.6	UJ	H
CHLORODIBROMOMETHANE		3	UJ	H

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	FPM-20_5_2016211			FPM-20_5_2016211RE			FPM-20_9.4_2016211			FPM-20_9.4_2016211RE		
	LAB_ID	10338550009			10338550009			10338550010			10338550010		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					39.5 J	H					125 J	H	
CHLOROETHANE					0.94 UJ	H					1 UJ	H	
CHLOROFORM					1.7 UJ	H					1.9 UJ	H	
CHLOROMETHANE					0.74 UJ	H					0.81 UJ	H	
CIS-1,2-DICHLOROETHENE					1.4 UJ	H					1.6 UJ	H	
CIS-1,3-DICHLOROPROPENE					1.6 UJ	H					1.8 UJ	H	
CYCLOHEXANE					1.2 UJ	H					1.3 UJ	H	
DICHLORODIFLUOROMETHANE					2.1 J	H					2.1 J	H	
ETHYLBENZENE					27.6 J	H					1.7 UJ	H	
HEXACHLOROBUTADIENE					19 UJ	H					20.8 UJ	H	
HEXANE					10.9 J	H					1.4 UJ	H	
ISOPROPANOL					4.4 UJ	H					4.8 UJ	H	
ISOPROPYLBENZENE					4.4 UJ	H					4.8 UJ	H	
M+P-XYLENES					85.8 J	H					3.4 UJ	H	
METHYL ACETATE		2.7 U						3 U					
METHYL CYCLOHEXANE					1.4 UJ	H					1.6 UJ	H	
METHYL TERT-BUTYL ETHER					6.4 UJ	H					7 UJ	H	
METHYLENE CHLORIDE					45.3 J	AH					6.8 UJ	H	
O-XYLENE					25.6 J	H					1.7 UJ	H	
PENTAFLUOROETHYL CHLORIDE		5.6 UJ		CE				6.2 UJ		CE			
STYRENE					1.5 UJ	H					1.7 UJ	H	
TETRACHLOROETHENE					1.2 UJ	H							
TOLUENE					4.3 J	H					1.5 UJ	H	
TRANS-1,2-DICHLOROETHENE					1.4 UJ	H					1.6 UJ	H	
TRANS-1,3-DICHLOROPROPENE					1.6 UJ	H					1.8 UJ	H	
TRICHLOROETHENE					1.9 J	H							
TRICHLOROFLUOROMETHANE					2 UJ	H					2.2 UJ	H	
VINYL CHLORIDE					0.46 UJ	H					0.5 UJ	H	

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	FPM-20_9.4_2016211RE1			VP-104-10_20160211			VP-104-10_20160211RE			VP-104-19_20160211		
	LAB_ID	10338550010			10338550002			10338550002			10338550003		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE								1.3	U				
CHLOROETHANE								0.94	U				
CHLOROFORM								0.87	U				
CHLOROMETHANE								0.74	U				
CIS-1,2-DICHLOROETHENE								5.7					
CIS-1,3-DICHLOROPROPENE								1.6	U				
CYCLOHEXANE								1.2	U				
DICHLORODIFLUOROMETHANE								2.8					
ETHYLBENZENE								1.5	U				
HEXACHLOROBUTADIENE								3.8	U				
HEXANE								1.3	U				
ISOPROPANOL								4.4	U				
ISOPROPYLBENZENE								4.4	U				
M+P-XYLENES								3.1	U				
METHYL ACETATE					2.7	U					2.7	U	
METHYL CYCLOHEXANE								1.4	U				
METHYL TERT-BUTYL ETHER								6.4	U				
METHYLENE CHLORIDE								23	J+	A			
O-XYLENE								1.5	U				
PENTAFLUOROETHYL CHLORIDE					5.6	UJ	CE				5.6	UJ	CE
STYRENE								1.5	U				
TETRACHLOROETHENE		2.4	J	H				3					
TOLUENE								1.3	U				
TRANS-1,2-DICHLOROETHENE								1.4	U				
TRANS-1,3-DICHLOROPROPENE								1.6	U				
TRICHLOROETHENE		5.2	J	H				5.7					
TRICHLOROFLUOROMETHANE								2	U				
VINYL CHLORIDE								0.46	U				

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-104-19_20160211RE			VP-104-30_20160211			VP-104-40_20160211			VP-104-40_20160211RE		
	LAB_ID	10338550003			10338550004			10338550005			10338550005		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		32	J	H	66.8	J	H				54.5	J	H
CHLOROETHANE		0.94	UJ	H	1.3	UJ	H				1	UJ	H
CHLOROFORM		3.3	J	H	12.4	J	H				14.9	J	H
CHLOROMETHANE		0.74	UJ	H	3.8	J	H				0.81	UJ	H
CIS-1,2-DICHLOROETHENE		13.4	J	H	46.8	J	H				58.6	J	H
CIS-1,3-DICHLOROPROPENE		1.6	UJ	H	2.3	UJ	H				1.8	UJ	H
CYCLOHEXANE		1.2	UJ	H	11.7	J	H				1.3	UJ	H
DICHLORODIFLUOROMETHANE		2	J	H	2.5	UJ	H				2.7	J	H
ETHYLBENZENE		1.5	UJ	H	2.2	UJ	H				1.7	UJ	H
HEXACHLOROBUTADIENE		19	UJ	H	26.6	UJ	H				20.8	UJ	H
HEXANE		1.3	UJ	H	22.6	J	H				1.4	UJ	H
ISOPROPANOL		8.6	J	H	6.1	UJ	H				4.8	UJ	H
ISOPROPYLBENZENE		4.4	UJ	H	6.1	UJ	H				4.8	UJ	H
M+P-XYLENES		3.1	UJ	H	6.1	J	H				3.4	UJ	H
METHYL ACETATE					2.8	U		3	U				
METHYL CYCLOHEXANE		1.4	UJ	H	30.8	J	H				1.6	UJ	H
METHYL TERT-BUTYL ETHER		6.4	UJ	H	9	UJ	H				7	UJ	H
METHYLENE CHLORIDE		6.2	UJ	H	198	J	AH				6.8	UJ	H
O-XYLENE		1.5	UJ	H	2.2	U					1.7	UJ	H
PENTAFLUOROETHYL CHLORIDE					5.9	UJ	CE	6.2	UJ	CE			
STYRENE		1.5	UJ	H	2.1	UJ	H				1.7	UJ	H
TETRACHLOROETHENE		41.9	J	H	145	J	H				172	J	H
TOLUENE		1.3	UJ	H	12.2	J	H				1.5	UJ	H
TRANS-1,2-DICHLOROETHENE		1.4	UJ	H	2	UJ	H				1.6	UJ	H
TRANS-1,3-DICHLOROPROPENE		1.6	UJ	H	2.3	UJ	H				1.8	UJ	H
TRICHLOROETHENE		74.2	J	H	280	J	H				323	J	H
TRICHLOROFLUOROMETHANE		2	UJ	H	5.8	J	H				6.5	J	H
VINYL CHLORIDE		0.46	UJ	H	0.64	UJ	H				0.5	UJ	H

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-104-5_20160211			VP-104-5_20160211RE			VP-104-50_20160211			VP-104-50_20160211RE		
	LAB_ID	10338550001			10338550001			10338550006			10338550006		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					1.3	U					159	J	H
CHLOROETHANE					0.94	U					0.94	UJ	H
CHLOROFORM					0.87	U					51.8	J	H
CHLOROMETHANE					1.3						0.74	UJ	H
CIS-1,2-DICHLOROETHENE					1.4	U					171	J	H
CIS-1,3-DICHLOROPROPENE					1.6	U					1.6	UJ	H
CYCLOHEXANE					1.2	U					1.2	UJ	H
DICHLORODIFLUOROMETHANE					3.2						2.1	J	H
ETHYLBENZENE					3.1						1.5	UJ	H
HEXACHLOROBUTADIENE					3.8	U					19	UJ	H
HEXANE					2.3						1.3	UJ	H
ISOPROPANOL					40.7						4.4	UJ	H
ISOPROPYLBENZENE					4.4	U					4.4	UJ	H
M+P-XYLENES					11.4						3.1	UJ	H
METHYL ACETATE		2.7	U					2.7	U				
METHYL CYCLOHEXANE					1.4	U					1.4	UJ	H
METHYL TERT-BUTYL ETHER					6.4	U					6.4	UJ	H
METHYLENE CHLORIDE					28.1	J+	A				6.2	UJ	H
O-XYLENE					3						1.5	UJ	H
PENTAFLUOROETHYL CHLORIDE		5.6	UJ	CE				5.6	UJ	CE			
STYRENE					1.5	U					1.5	UJ	H
TETRACHLOROETHENE					1.2	U							
TOLUENE					6.1						1.5	J	H
TRANS-1,2-DICHLOROETHENE					1.4	U					3.1	J	H
TRANS-1,3-DICHLOROPROPENE					1.6	U					1.6	UJ	H
TRICHLOROETHENE					3.3								
TRICHLOROFLUOROMETHANE					2	U					20.4	J	H
VINYL CHLORIDE					0.46	U					0.46	UJ	H

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-104-62_20160211			VP-104-62_20160211RE			VP-104-73_20160211			VP-8_10_20160211		
	LAB_ID	10338550007			10338550007			10338550008			10338550012		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					283			187		H			
CHLOROETHANE					0.87	U		1.3	UJ	H			
CHLOROFORM					82.8			57.8		H			
CHLOROMETHANE					0.68	U		0.99	UJ	H			
CIS-1,2-DICHLOROETHENE					197			107	J	H			
CIS-1,3-DICHLOROPROPENE					1.5	U		2.2	UJ	H			
CYCLOHEXANE					1.1	U		1.6	UJ	H			
DICHLORODIFLUOROMETHANE					3.7			2.4		H			
ETHYLBENZENE					1.4	U		2.1	UJ	H			
HEXACHLOROBUTADIENE					3.5	U		25.5	UJ	H			
HEXANE					1.2	U		18.8		H			
ISOPROPANOL					4	U		5.9	UJ	H			
ISOPROPYLBENZENE					4	U		5.9	UJ	H			
M+P-XYLENES					2.8	U		4.2	UJ	H			
METHYL ACETATE		2.5	U					2.7	U		2.7	U	
METHYL CYCLOHEXANE					1.3	U		1.9	UJ	H			
METHYL TERT-BUTYL ETHER					5.9	U		8.6	UJ	H			
METHYLENE CHLORIDE					5.7	U		134		AH			
O-XYLENE					1.4	U		2.1	UJ	H			
PENTAFLUOROETHYL CHLORIDE		5.2	UJ	CE				5.6	UJ	CE	5.6	UJ	CE
STYRENE					1.4	U		2	UJ	H			
TETRACHLOROETHENE					845	J	E	466		H			
TOLUENE					7.1			4		H			
TRANS-1,2-DICHLOROETHENE					2.8			1.9	UJ	H			
TRANS-1,3-DICHLOROPROPENE					1.5	U		2.2	UJ	H			
TRICHLOROETHENE					711	J	E	1140		H			
TRICHLOROFLUOROMETHANE					28.9			21		H			
VINYL CHLORIDE					0.42	U		0.61	UJ	H			

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-8_10_20160211RE			VP-8_10_20160211RE1			VP-8_20_20160211			VP-8_20_20160211RE		
	LAB_ID	10338550012			10338550012			10338550013			10338550013		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		11.5 J		H							97.7 J		H
CHLOROETHANE		0.94 UJ		H							0.94 UJ		H
CHLOROFORM		1.7 UJ		H							1.7 UJ		H
CHLOROMETHANE		0.74 UJ		H							0.74 UJ		H
CIS-1,2-DICHLOROETHENE		1.4 UJ		H							1.4 UJ		H
CIS-1,3-DICHLOROPROPENE		1.6 UJ		H							1.6 UJ		H
CYCLOHEXANE		1.2 UJ		H							1.2 UJ		H
DICHLORODIFLUOROMETHANE		1.8 J		H							2.7 J		H
ETHYLBENZENE		1.5 UJ		H							1.6 J		H
HEXACHLOROBUTADIENE		19 UJ		H							19 UJ		H
HEXANE		1.3 UJ		H							1.3 UJ		H
ISOPROPANOL		4.4 UJ		H							4.4 UJ		H
ISOPROPYLBENZENE		4.4 UJ		H							4.4 UJ		H
M+P-XYLENES		3.1 UJ		H							7.9 J		H
METHYL ACETATE								2.7 U					
METHYL CYCLOHEXANE		1.4 UJ		H							1.4 UJ		H
METHYL TERT-BUTYL ETHER		6.4 UJ		H							6.4 UJ		H
METHYLENE CHLORIDE		6.2 UJ		H							6.2 UJ		H
O-XYLENE		1.5 UJ		H							3.4 J		H
PENTAFLUOROETHYL CHLORIDE								5.6 UJ		CE			
STYRENE		1.5 UJ		H							1.5 UJ		H
TETRACHLOROETHENE					1.2 UJ		H				2.6 J		H
TOLUENE		1.3 UJ		H							3.6 J		H
TRANS-1,2-DICHLOROETHENE		1.4 UJ		H							1.4 UJ		H
TRANS-1,3-DICHLOROPROPENE		1.6 UJ		H							1.6 UJ		H
TRICHLOROETHENE					12.8 J		H				21.1 J		H
TRICHLOROFLUOROMETHANE		2 UJ		H							2 UJ		H
VINYL CHLORIDE		0.46 UJ		H							0.46 UJ		H

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-8_5_20160211			VP-8_5_20160211RE			VP-8D_53.5_20160211			VP-8D_53.5_20160211RE		
	LAB_ID	10338550011			10338550011			10338550014			10338550014		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					10.9 J	H					140 J	H	
CHLOROETHANE					0.94 UJ	H					0.99 UJ	H	
CHLOROFORM					1.7 UJ	H					71.4 J	H	
CHLOROMETHANE					0.81 J	H					0.77 UJ	H	
CIS-1,2-DICHLOROETHENE					1.4 UJ	H		1530					
CIS-1,3-DICHLOROPROPENE					1.6 UJ	H					1.7 UJ	H	
CYCLOHEXANE					1.2 UJ	H					1.3 UJ	H	
DICHLORODIFLUOROMETHANE					1.8 J	H					2.2 J	H	
ETHYLBENZENE					1.5 UJ	H					1.6 UJ	H	
HEXACHLOROBUTADIENE					19 UJ	H					19.9 UJ	H	
HEXANE					1.3 UJ	H					3 J	H	
ISOPROPANOL					10.8 J	H					4.6 UJ	H	
ISOPROPYLBENZENE					4.4 UJ	H					4.6 UJ	H	
M+P-XYLENES					4.6 J	H					3.2 UJ	H	
METHYL ACETATE		2.7 U						2.8 U					
METHYL CYCLOHEXANE					1.4 UJ	H					1.5 UJ	H	
METHYL TERT-BUTYL ETHER					6.4 UJ	H					6.7 UJ	H	
METHYLENE CHLORIDE					6.2 UJ	H					7.7 J	AH	
O-XYLENE					1.5 UJ	H					1.6 UJ	H	
PENTAFLUOROETHYL CHLORIDE		5.6 UJ		CE				5.9 UJ		CE			
STYRENE					1.5 UJ	H					1.6 UJ	H	
TETRACHLOROETHENE					1.2 UJ	H		2230					
TOLUENE					2 J	H					1.4 UJ	H	
TRANS-1,2-DICHLOROETHENE					1.4 UJ	H					21.7 J	H	
TRANS-1,3-DICHLOROPROPENE					1.6 UJ	H					1.7 UJ	H	
TRICHLOROETHENE					5.6 J	H		97900					
TRICHLOROFLUOROMETHANE					2 UJ	H					27.1 J	H	
VINYL CHLORIDE					0.46 UJ	H					0.48 UJ	H	

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-8D_62.5_20160211			VP-8D_62.5_20160211DUP			VP-8D_62.5_20160211DUPRE			VP-8D_72.5_20160211		
	LAB_ID	10338550015			10338550016			10338550016			10338550017		
	SAMP_DATE	2/11/2016			2/11/2016			2/11/2016			2/11/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF				VP-8D_62.5_20160211			VP-8D_62.5_20160211					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		145	J	H				126	J	H			
CHLOROETHANE		1.3	UJ	H				0.99	UJ	H			
CHLOROFORM		79.8	J	H				75.5	J	H			
CHLOROMETHANE		0.99	UJ	H				0.77	UJ	H			
CIS-1,2-DICHLOROETHENE		1730	J	H	1710	J	H				1030		
CIS-1,3-DICHLOROPROPENE		2.2	UJ	H				1.7	UJ	H			
CYCLOHEXANE		1.6	UJ	H				1.3	UJ	H			
DICHLORODIFLUOROMETHANE		2.9	J	H				2.8	J	H			
ETHYLBENZENE		3.2	J	H				1.6	UJ	H			
HEXACHLOROBUTADIENE		25.5	UJ	H				19.9	UJ	H			
HEXANE		4.4	J	H				1.3	UJ	H			
ISOPROPANOL		6.2	J	H				4.6	UJ	H			
ISOPROPYLBENZENE		5.9	UJ	H				4.6	UJ	H			
M+P-XYLENES		14.1	J	H				3.2	UJ	H			
METHYL ACETATE		2.7	U		2.8	U					2.7	U	
METHYL CYCLOHEXANE		1.9	UJ	H				1.5	UJ	H			
METHYL TERT-BUTYL ETHER		8.6	UJ	H				6.7	UJ	H			
METHYLENE CHLORIDE		45.5	J	AGH				10.7	J	AGH			
O-XYLENE		3.5	J	H				1.6	UJ	H			
PENTAFLUOROETHYL CHLORIDE		5.6	UJ	CE	5.9	UJ	CE				5.6	UJ	CE
STYRENE		2	UJ	H				1.6	UJ	H			
TETRACHLOROETHENE		2680	J	H	2650	J	H				1690		
TOLUENE		4	J	H				1.4	UJ	H			
TRANS-1,2-DICHLOROETHENE		13.7	J	H				14.3	J	H			
TRANS-1,3-DICHLOROPROPENE		2.2	UJ	H				1.7	UJ	H			
TRICHLOROETHENE		65700	J	H	63800	J	H				23800		
TRICHLOROFLUOROMETHANE		24.2	J	H				22.9	J	H			
VINYL CHLORIDE		0.61	UJ	H				0.48	UJ	H			

PROJ_NO: 07792 SDG: 10338550 FRACTION: OV MEDIA: AIR	NSAMPLE	VP-8D_72.5_20160211RE		
	LAB_ID	10338550017		
	SAMP_DATE	2/11/2016		
	QC_TYPE	NM		
	UNITS	UG/M3		
	PCT_SOLIDS			
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		129	J	H
CHLOROETHANE		0.94	UJ	H
CHLOROFORM		68.8	J	H
CHLOROMETHANE		0.74	UJ	H
CIS-1,2-DICHLOROETHENE				
CIS-1,3-DICHLOROPROPENE		1.6	UJ	H
CYCLOHEXANE		1.2	UJ	H
DICHLORODIFLUOROMETHANE		2.6	J	H
ETHYLBENZENE		1.5	UJ	H
HEXACHLOROBUTADIENE		19	UJ	H
HEXANE		1.3	UJ	H
ISOPROPANOL		4.4	UJ	H
ISOPROPYLBENZENE		4.4	UJ	H
M+P-XYLENES		3.1	UJ	H
METHYL ACETATE				
METHYL CYCLOHEXANE		1.4	UJ	H
METHYL TERT-BUTYL ETHER		6.4	UJ	H
METHYLENE CHLORIDE		16	J	AH
O-XYLENE		1.5	UJ	H
PENTAFLUOROETHYL CHLORIDE				
STYRENE		1.5	UJ	H
TETRACHLOROETHENE				
TOLUENE		1.3	UJ	H
TRANS-1,2-DICHLOROETHENE		9.7		H
TRANS-1,3-DICHLOROPROPENE		1.6	UJ	H
TRICHLOROETHENE				
TRICHLOROFLUOROMETHANE		23	J	H
VINYL CHLORIDE		0.46	UJ	H

Appendix B

Results as Reported by the Laboratory

ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-5_20160211		Lab ID: 10338550001		Collected: 02/11/16 11:03		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	20.2	ug/m3	2.4	1.75		03/11/16 14:52	75-37-6	SS	
Acetone	138	ug/m3	4.2	1.75		03/12/16 03:05	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/12/16 03:05	107-05-1		
Benzene	1.1	ug/m3	0.57	1.75		03/12/16 03:05	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/12/16 03:05	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/12/16 03:05	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/12/16 03:05	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/12/16 03:05	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/12/16 03:05	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/12/16 03:05	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/12/16 03:05	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/12/16 03:05	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/12/16 03:05	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/12/16 03:05	75-00-3		
Chloroform	ND	ug/m3	0.87	1.75		03/12/16 03:05	67-66-3		
Chloromethane	1.3	ug/m3	0.74	1.75		03/12/16 03:05	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 14:52	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		03/12/16 03:05	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 14:52	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/12/16 03:05	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/12/16 03:05	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 03:05	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 03:05	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 03:05	106-46-7		
Dichlorodifluoromethane	3.2	ug/m3	1.8	1.75		03/12/16 03:05	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/12/16 03:05	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/12/16 03:05	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/12/16 03:05	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/12/16 03:05	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/12/16 03:05	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/12/16 03:05	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/12/16 03:05	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/12/16 03:05	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/12/16 03:05	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 14:52	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/12/16 03:05	123-91-1		
Ethylbenzene	3.1	ug/m3	1.5	1.75		03/12/16 03:05	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/12/16 03:05	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/12/16 03:05	87-68-3		
n-Hexane	2.3	ug/m3	1.3	1.75		03/12/16 03:05	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/12/16 03:05	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/12/16 03:05	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 14:52	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/12/16 03:05	108-87-2		
Methylene Chloride	28.1	ug/m3	6.2	1.75		03/12/16 03:05	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/12/16 03:05	108-10-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Sample Project No.: 10338550

Sample: VP-104-5_20160211		Lab ID: 10338550001		Collected: 02/11/16 11:03		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/12/16 03:05	1634-04-4		
2-Propanol	40.7	ug/m3	4.4	1.75		03/12/16 03:05	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/12/16 03:05	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/12/16 03:05	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/12/16 03:05	127-18-4		
Toluene	6.1	ug/m3	1.3	1.75		03/12/16 03:05	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.75		03/12/16 03:05	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/12/16 03:05	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/12/16 03:05	79-00-5		
Trichloroethene	3.3	ug/m3	1.9	1.75		03/12/16 03:05	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/12/16 03:05	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/12/16 03:05	76-13-1		
1,2,4-Trimethylbenzene	2.0	ug/m3	1.7	1.75		03/12/16 03:05	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/12/16 03:05	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/12/16 03:05	75-01-4		
m&p-Xylene	11.4	ug/m3	3.1	1.75		03/12/16 03:05	179601-23-1		
o-Xylene	3.0	ug/m3	1.5	1.75		03/12/16 03:05	95-47-6		
Surrogates									
Toluene-d8 (S)	509	%.	75-125	1.75		03/12/16 03:05	2037-26-5		
1,4-Dichlorobenzene-d4 (S)	441	%.	59-125	1.75		03/12/16 03:05	3855-82-1		
Hexane-d14 (S)	465	%.	75-125	1.75		03/12/16 03:05	21666-38-6		

Sample: VP-104-10_20160211		Lab ID: 10338550002		Collected: 02/11/16 11:32		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 14:21	75-37-6	SS	
Acetone	12.9	ug/m3	4.2	1.75		03/12/16 03:59	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/12/16 03:59	107-05-1		
Benzene	ND	ug/m3	0.57	1.75		03/12/16 03:59	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/12/16 03:59	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/12/16 03:59	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/12/16 03:59	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/12/16 03:59	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/12/16 03:59	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/12/16 03:59	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/12/16 03:59	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/12/16 03:59	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/12/16 03:59	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/12/16 03:59	75-00-3		
Chloroform	ND	ug/m3	0.87	1.75		03/12/16 03:59	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/12/16 03:59	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 14:21	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		03/12/16 03:59	110-82-7		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-10_20160211		Lab ID: 10338550002		Collected: 02/11/16 11:32		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 14:21	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/12/16 03:59	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/12/16 03:59	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 03:59	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 03:59	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/12/16 03:59	106-46-7		
Dichlorodifluoromethane	2.8	ug/m3	1.8	1.75		03/12/16 03:59	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/12/16 03:59	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/12/16 03:59	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/12/16 03:59	75-35-4		
cis-1,2-Dichloroethene	5.7	ug/m3	1.4	1.75		03/12/16 03:59	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/12/16 03:59	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/12/16 03:59	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/12/16 03:59	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/12/16 03:59	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/12/16 03:59	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 14:21	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/12/16 03:59	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/12/16 03:59	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/12/16 03:59	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/12/16 03:59	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/12/16 03:59	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/12/16 03:59	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/12/16 03:59	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 14:21	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/12/16 03:59	108-87-2		
Methylene Chloride	23.0	ug/m3	6.2	1.75		03/12/16 03:59	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/12/16 03:59	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/12/16 03:59	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/12/16 03:59	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/12/16 03:59	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/12/16 03:59	79-34-5		
Tetrachloroethene	3.0	ug/m3	1.2	1.75		03/12/16 03:59	127-18-4		
Toluene	ND	ug/m3	1.3	1.75		03/12/16 03:59	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.75		03/12/16 03:59	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/12/16 03:59	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/12/16 03:59	79-00-5		
Trichloroethene	5.7	ug/m3	1.9	1.75		03/12/16 03:59	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/12/16 03:59	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/12/16 03:59	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/12/16 03:59	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/12/16 03:59	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/12/16 03:59	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/12/16 03:59	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/12/16 03:59	95-47-6		
Surrogates									
Toluene-d8 (S)	504	%.	75-125	1.75		03/12/16 03:59	2037-26-5		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-10_20160211		Lab ID: 10338550002		Collected: 02/11/16 11:32		Received: 02/13/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Surrogates									
1,4-Dichlorobenzene-d4 (S)		428	%.	59-125	1.75		03/12/16 03:59	3855-82-1	
Hexane-d14 (S)		473	%.	75-125	1.75		03/12/16 03:59	21666-38-6	

Sample: VP-104-19_20160211		Lab ID: 10338550003	Collected: 02/11/16 11:28	Received: 02/13/16 10:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 17:50	75-37-6	SS
Acetone	11.1	ug/m3	4.2	1.75		03/14/16 20:02	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75		03/14/16 20:02	107-05-1	
Benzene	ND	ug/m3	1.1	1.75		03/14/16 20:02	71-43-2	
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/14/16 20:02	75-27-4	
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 20:02	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 20:02	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 20:02	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/14/16 20:02	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 20:02	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/14/16 20:02	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 20:02	108-90-7	
Chlorodifluoromethane	32.0	ug/m3	1.3	1.75		03/14/16 20:02	75-45-6	
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 20:02	75-00-3	
Chloroform	3.3	ug/m3	1.7	1.75		03/14/16 20:02	67-66-3	
Chloromethane	ND	ug/m3	0.74	1.75		03/14/16 20:02	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 17:50	76-15-3	CL,IC, L2,SS
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 20:02	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 17:50	96-12-8	SS
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 20:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 20:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 20:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 20:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 20:02	106-46-7	
Dichlorodifluoromethane	2.0	ug/m3	1.8	1.75		03/14/16 20:02	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 20:02	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 20:02	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 20:02	75-35-4	
cis-1,2-Dichloroethene	13.4	ug/m3	1.4	1.75		03/14/16 20:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 20:02	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 20:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 20:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 20:02	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/14/16 20:02	76-14-2	
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 17:50	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 20:02	123-91-1	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-19_20160211		Lab ID: 10338550003		Collected: 02/11/16 11:28		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Ethylbenzene	ND	ug/m3	1.5	1.75		03/14/16 20:02	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/14/16 20:02	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 20:02	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/14/16 20:02	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 20:02	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 20:02	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 17:50	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 20:02	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/14/16 20:02	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 20:02	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 20:02	1634-04-4		
2-Propanol	8.6	ug/m3	4.4	1.75		03/14/16 20:02	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 20:02	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 20:02	79-34-5		
Tetrachloroethene	41.9	ug/m3	1.2	1.75		03/14/16 20:02	127-18-4		
Toluene	ND	ug/m3	1.3	1.75		03/14/16 20:02	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 20:02	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 20:02	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/14/16 20:02	79-00-5		
Trichloroethene	74.2	ug/m3	0.96	1.75		03/14/16 20:02	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/14/16 20:02	75-69-4		
1,1,2-Trichlorotrifluoroethane	10.3	ug/m3	2.8	1.75		03/14/16 20:02	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 20:02	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 20:02	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/14/16 20:02	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/14/16 20:02	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/14/16 20:02	95-47-6		

Sample: VP-104-30_20160211		Lab ID: 10338550004		Collected: 02/11/16 11:51		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/11/16 17:19	75-37-6	SS	
Acetone	37.0	ug/m3	5.9	2.45		03/15/16 00:49	67-64-1		
Allyl chloride	ND	ug/m3	3.9	2.45		03/15/16 00:49	107-05-1		
Benzene	ND	ug/m3	1.6	2.45		03/15/16 00:49	71-43-2		
Bromodichloromethane	ND	ug/m3	3.3	2.45		03/15/16 00:49	75-27-4		
Bromoform	ND	ug/m3	5.1	2.45		03/15/16 00:49	75-25-2		
Bromomethane	ND	ug/m3	1.9	2.45		03/15/16 00:49	74-83-9		
1,3-Butadiene	ND	ug/m3	1.1	2.45		03/15/16 00:49	106-99-0		
2-Butanone (MEK)	ND	ug/m3	7.4	2.45		03/15/16 00:49	78-93-3		
Carbon disulfide	ND	ug/m3	1.5	2.45		03/15/16 00:49	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.6	2.45		03/15/16 00:49	56-23-5		
Chlorobenzene	ND	ug/m3	2.3	2.45		03/15/16 00:49	108-90-7		
Chlorodifluoromethane	66.8	ug/m3	1.8	2.45		03/15/16 00:49	75-45-6		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-30_20160211		Lab ID: 10338550004		Collected: 02/11/16 11:51		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Chloroethane	ND	ug/m3	1.3	2.45			03/15/16 00:49	75-00-3	
Chloroform	12.4	ug/m3	2.4	2.45			03/15/16 00:49	67-66-3	
Chloromethane	3.8	ug/m3	1.0	2.45			03/15/16 00:49	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.9	1.83			03/11/16 17:19	76-15-3	CL,IC, L2,SS
Cyclohexane	11.7	ug/m3	1.7	2.45			03/15/16 00:49	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83			03/11/16 17:19	96-12-8	SS
Dibromochloromethane	ND	ug/m3	4.2	2.45			03/15/16 00:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.8	2.45			03/15/16 00:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	3.0	2.45			03/15/16 00:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.0	2.45			03/15/16 00:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.0	2.45			03/15/16 00:49	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	2.5	2.45			03/15/16 00:49	75-71-8	
1,1-Dichloroethane	ND	ug/m3	2.0	2.45			03/15/16 00:49	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.0	2.45			03/15/16 00:49	107-06-2	
1,1-Dichloroethene	ND	ug/m3	2.0	2.45			03/15/16 00:49	75-35-4	
cis-1,2-Dichloroethene	46.8	ug/m3	2.0	2.45			03/15/16 00:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	2.0	2.45			03/15/16 00:49	156-60-5	
1,2-Dichloropropane	ND	ug/m3	2.3	2.45			03/15/16 00:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	2.3	2.45			03/15/16 00:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	2.3	2.45			03/15/16 00:49	10061-02-6	
Dichlorotetrafluoroethane	3.7	ug/m3	3.5	2.45			03/15/16 00:49	76-14-2	
Freon 123	ND	ug/m3	5.8	1.83			03/11/16 17:19	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	9.0	2.45			03/15/16 00:49	123-91-1	
Ethylbenzene	ND	ug/m3	2.2	2.45			03/15/16 00:49	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.4	2.45			03/15/16 00:49	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	26.6	2.45			03/15/16 00:49	87-68-3	
n-Hexane	22.6	ug/m3	1.8	2.45			03/15/16 00:49	110-54-3	
2-Hexanone	ND	ug/m3	10.2	2.45			03/15/16 00:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	6.1	2.45			03/15/16 00:49	98-82-8	
Methyl acetate	ND	ug/m3	2.8	1.83			03/11/16 17:19	79-20-9	
Methylcyclohexane	30.8	ug/m3	2.0	2.45			03/15/16 00:49	108-87-2	
Methylene Chloride	198	ug/m3	8.6	2.45			03/15/16 00:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	10.2	2.45			03/15/16 00:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	9.0	2.45			03/15/16 00:49	1634-04-4	
2-Propanol	ND	ug/m3	6.1	2.45			03/15/16 00:49	67-63-0	
Styrene	ND	ug/m3	2.1	2.45			03/15/16 00:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.7	2.45			03/15/16 00:49	79-34-5	
Tetrachloroethene	145	ug/m3	1.7	2.45			03/15/16 00:49	127-18-4	
Toluene	12.2	ug/m3	1.9	2.45			03/15/16 00:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	18.5	2.45			03/15/16 00:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.7	2.45			03/15/16 00:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.3	2.45			03/15/16 00:49	79-00-5	
Trichloroethene	280	ug/m3	1.3	2.45			03/15/16 00:49	79-01-6	
Trichlorofluoromethane	5.8	ug/m3	2.8	2.45			03/15/16 00:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	61.3	ug/m3	3.9	2.45			03/15/16 00:49	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.4	2.45			03/15/16 00:49	95-63-6	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-30_20160211		Lab ID: 10338550004		Collected: 02/11/16 11:51		Received: 02/13/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,3,5-Trimethylbenzene		ND	ug/m3	2.4	2.45		03/15/16 00:49	108-67-8	
Vinyl chloride		ND	ug/m3	0.64	2.45		03/15/16 00:49	75-01-4	
m&p-Xylene		6.1	ug/m3	4.3	2.45		03/15/16 00:49	179601-23-1	
o-Xylene		ND	ug/m3	2.2	2.45		03/15/16 00:49	95-47-6	

Sample: VP-104-40_20160211		Lab ID: 10338550005		Collected: 02/11/16 11:26		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.6	1.92		03/11/16 12:43	75-37-6	SS	
Acetone	8.0	ug/m3	4.6	1.92		03/14/16 21:05	67-64-1		
Allyl chloride	ND	ug/m3	3.1	1.92		03/14/16 21:05	107-05-1		
Benzene	ND	ug/m3	1.2	1.92		03/14/16 21:05	71-43-2		
Bromodichloromethane	ND	ug/m3	2.6	1.92		03/14/16 21:05	75-27-4		
Bromoform	ND	ug/m3	4.0	1.92		03/14/16 21:05	75-25-2		
Bromomethane	ND	ug/m3	1.5	1.92		03/14/16 21:05	74-83-9		
1,3-Butadiene	ND	ug/m3	0.86	1.92		03/14/16 21:05	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.8	1.92		03/14/16 21:05	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.92		03/14/16 21:05	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.92		03/14/16 21:05	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.92		03/14/16 21:05	108-90-7		
Chlorodifluoromethane	54.5	ug/m3	1.4	1.92		03/14/16 21:05	75-45-6		
Chloroethane	ND	ug/m3	1.0	1.92		03/14/16 21:05	75-00-3		
Chloroform	14.9	ug/m3	1.9	1.92		03/14/16 21:05	67-66-3		
Chloromethane	ND	ug/m3	0.81	1.92		03/14/16 21:05	74-87-3		
Chloropentafluoroethane	ND	ug/m3	6.2	1.92		03/11/16 12:43	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.3	1.92		03/14/16 21:05	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.4	1.92		03/11/16 12:43	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.3	1.92		03/14/16 21:05	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		03/14/16 21:05	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/14/16 21:05	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/14/16 21:05	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/14/16 21:05	106-46-7		
Dichlorodifluoromethane	2.7	ug/m3	1.9	1.92		03/14/16 21:05	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	1.92		03/14/16 21:05	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.79	1.92		03/14/16 21:05	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.6	1.92		03/14/16 21:05	75-35-4		
cis-1,2-Dichloroethene	58.6	ug/m3	1.6	1.92		03/14/16 21:05	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/14/16 21:05	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		03/14/16 21:05	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/14/16 21:05	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/14/16 21:05	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.92		03/14/16 21:05	76-14-2		
Freon 123	ND	ug/m3	6.1	1.92		03/11/16 12:43	306-83-2	SS	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-40_20160211		Lab ID: 10338550005		Collected: 02/11/16 11:26		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.0	1.92		03/14/16 21:05	123-91-1		
Ethylbenzene	ND	ug/m3	1.7	1.92		03/14/16 21:05	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.9	1.92		03/14/16 21:05	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	20.8	1.92		03/14/16 21:05	87-68-3		
n-Hexane	ND	ug/m3	1.4	1.92		03/14/16 21:05	110-54-3		
2-Hexanone	ND	ug/m3	8.0	1.92		03/14/16 21:05	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.8	1.92		03/14/16 21:05	98-82-8		
Methyl acetate	ND	ug/m3	3.0	1.92		03/11/16 12:43	79-20-9		
Methylcyclohexane	ND	ug/m3	1.6	1.92		03/14/16 21:05	108-87-2		
Methylene Chloride	ND	ug/m3	6.8	1.92		03/14/16 21:05	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.0	1.92		03/14/16 21:05	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.92		03/14/16 21:05	1634-04-4		
2-Propanol	ND	ug/m3	4.8	1.92		03/14/16 21:05	67-63-0		
Styrene	ND	ug/m3	1.7	1.92		03/14/16 21:05	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		03/14/16 21:05	79-34-5		
Tetrachloroethene	172	ug/m3	1.3	1.92		03/14/16 21:05	127-18-4		
Toluene	ND	ug/m3	1.5	1.92		03/14/16 21:05	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	14.5	1.92		03/14/16 21:05	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.92		03/14/16 21:05	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.92		03/14/16 21:05	79-00-5		
Trichloroethene	323	ug/m3	1.1	1.92		03/14/16 21:05	79-01-6		
Trichlorofluoromethane	6.5	ug/m3	2.2	1.92		03/14/16 21:05	75-69-4		
1,1,2-Trichlorotrifluoroethane	76.7	ug/m3	3.1	1.92		03/14/16 21:05	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/14/16 21:05	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/14/16 21:05	108-67-8		
Vinyl chloride	ND	ug/m3	0.50	1.92		03/14/16 21:05	75-01-4		
m&p-Xylene	ND	ug/m3	3.4	1.92		03/14/16 21:05	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.92		03/14/16 21:05	95-47-6		

Sample: VP-104-50_20160211		Lab ID: 10338550006		Collected: 02/11/16 11:40		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 15:24	75-37-6	SS	
Acetone	21.9	ug/m3	4.2	1.75		03/14/16 20:33	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/14/16 20:33	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		03/14/16 20:33	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/14/16 20:33	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 20:33	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 20:33	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 20:33	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/14/16 20:33	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 20:33	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/14/16 20:33	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 20:33	108-90-7		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-50_20160211		Lab ID: 10338550006		Collected: 02/11/16 11:40		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Chlorodifluoromethane	159	ug/m3	1.3	1.75		03/14/16 20:33	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 20:33	75-00-3		
Chloroform	51.8	ug/m3	1.7	1.75		03/14/16 20:33	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/14/16 20:33	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 15:24	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 20:33	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 15:24	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 20:33	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 20:33	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 20:33	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 20:33	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 20:33	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.8	1.75		03/14/16 20:33	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 20:33	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 20:33	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 20:33	75-35-4		
cis-1,2-Dichloroethene	171	ug/m3	1.4	1.75		03/14/16 20:33	156-59-2		
trans-1,2-Dichloroethene	3.1	ug/m3	1.4	1.75		03/14/16 20:33	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 20:33	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 20:33	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 20:33	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/14/16 20:33	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 15:24	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 20:33	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/14/16 20:33	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/14/16 20:33	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 20:33	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/14/16 20:33	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 20:33	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 20:33	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 15:24	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 20:33	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/14/16 20:33	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 20:33	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 20:33	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/14/16 20:33	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 20:33	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 20:33	79-34-5		
Tetrachloroethene	661	ug/m3	48.2	70		03/15/16 12:06	127-18-4	A3	
Toluene	1.5	ug/m3	1.3	1.75		03/14/16 20:33	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 20:33	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 20:33	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/14/16 20:33	79-00-5		
Trichloroethene	1370	ug/m3	38.5	70		03/15/16 12:06	79-01-6	A3	
Trichlorofluoromethane	20.4	ug/m3	2.0	1.75		03/14/16 20:33	75-69-4		
1,1,2-Trichlorotrifluoroethane	102	ug/m3	2.8	1.75		03/14/16 20:33	76-13-1		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-50_20160211		Lab ID: 10338550006		Collected: 02/11/16 11:40		Received: 02/13/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,2,4-Trimethylbenzene		ND	ug/m3	1.7	1.75		03/14/16 20:33	95-63-6	
1,3,5-Trimethylbenzene		ND	ug/m3	1.7	1.75		03/14/16 20:33	108-67-8	
Vinyl chloride		ND	ug/m3	0.46	1.75		03/14/16 20:33	75-01-4	
m&p-Xylene		ND	ug/m3	3.1	1.75		03/14/16 20:33	179601-23-1	
o-Xylene		ND	ug/m3	1.5	1.75		03/14/16 20:33	95-47-6	

Sample: VP-104-62_20160211		Lab ID: 10338550007		Collected: 02/11/16 11:52		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		03/11/16 13:14	75-37-6	SS	
Acetone	28.0	ug/m3	3.9	1.61		03/12/16 03:32	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		03/12/16 03:32	107-05-1		
Benzene	0.61	ug/m3	0.52	1.61		03/12/16 03:32	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/12/16 03:32	75-27-4		
Bromoform	ND	ug/m3	3.4	1.61		03/12/16 03:32	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		03/12/16 03:32	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/12/16 03:32	106-99-0		
2-Butanone (MEK)	7.2	ug/m3	4.8	1.61		03/12/16 03:32	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/12/16 03:32	75-15-0		
Carbon tetrachloride	1.3	ug/m3	1.0	1.61		03/12/16 03:32	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/12/16 03:32	108-90-7		
Chlorodifluoromethane	283	ug/m3	1.2	1.61		03/12/16 03:32	75-45-6	E	
Chloroethane	ND	ug/m3	0.87	1.61		03/12/16 03:32	75-00-3		
Chloroform	82.8	ug/m3	0.80	1.61		03/12/16 03:32	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/12/16 03:32	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		03/11/16 13:14	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.1	1.61		03/12/16 03:32	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/11/16 13:14	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/12/16 03:32	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/12/16 03:32	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		03/12/16 03:32	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		03/12/16 03:32	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		03/12/16 03:32	106-46-7		
Dichlorodifluoromethane	3.7	ug/m3	1.6	1.61		03/12/16 03:32	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/12/16 03:32	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/12/16 03:32	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		03/12/16 03:32	75-35-4		
cis-1,2-Dichloroethene	197	ug/m3	1.3	1.61		03/12/16 03:32	156-59-2		
trans-1,2-Dichloroethene	2.8	ug/m3	1.3	1.61		03/12/16 03:32	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/12/16 03:32	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/12/16 03:32	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/12/16 03:32	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		03/12/16 03:32	76-14-2		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-62_20160211		Lab ID: 10338550007		Collected: 02/11/16 11:52		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Freon 123	ND	ug/m3	5.1	1.61		03/11/16 13:14	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/12/16 03:32	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/12/16 03:32	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/12/16 03:32	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/12/16 03:32	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		03/12/16 03:32	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/12/16 03:32	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/12/16 03:32	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/11/16 13:14	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/12/16 03:32	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		03/12/16 03:32	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/12/16 03:32	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/12/16 03:32	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		03/12/16 03:32	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		03/12/16 03:32	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		03/12/16 03:32	79-34-5		
Tetrachloroethene	845	ug/m3	1.1	1.61		03/12/16 03:32	127-18-4	E	
Toluene	7.1	ug/m3	1.2	1.61		03/12/16 03:32	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.1	1.61		03/12/16 03:32	120-82-1		
1,1,1-Trichloroethane	1.9	ug/m3	1.8	1.61		03/12/16 03:32	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		03/12/16 03:32	79-00-5		
Trichloroethene	711	ug/m3	1.8	1.61		03/12/16 03:32	79-01-6	E	
Trichlorofluoromethane	28.9	ug/m3	1.8	1.61		03/12/16 03:32	75-69-4		
1,1,2-Trichlorotrifluoroethane	143	ug/m3	2.6	1.61		03/12/16 03:32	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/12/16 03:32	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/12/16 03:32	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		03/12/16 03:32	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		03/12/16 03:32	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		03/12/16 03:32	95-47-6		
Surrogates									
Toluene-d8 (S)	505	%.	75-125	1.61		03/12/16 03:32	2037-26-5		
1,4-Dichlorobenzene-d4 (S)	460	%.	59-125	1.61		03/12/16 03:32	3855-82-1		
Hexane-d14 (S)	471	%.	75-125	1.61		03/12/16 03:32	21666-38-6		

Sample: VP-104-73_20160211		Lab ID: 10338550008		Collected: 02/11/16 11:30		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 15:57	75-37-6	SS	
Acetone	22.5	ug/m3	5.7	2.35		03/14/16 23:45	67-64-1		
Allyl chloride	ND	ug/m3	3.7	2.35		03/14/16 23:45	107-05-1		
Benzene	ND	ug/m3	1.5	2.35		03/14/16 23:45	71-43-2		
Bromodichloromethane	ND	ug/m3	3.2	2.35		03/14/16 23:45	75-27-4		
Bromoform	ND	ug/m3	4.9	2.35		03/14/16 23:45	75-25-2		
Bromomethane	ND	ug/m3	1.9	2.35		03/14/16 23:45	74-83-9		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-73_20160211		Lab ID: 10338550008		Collected: 02/11/16 11:30		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Butadiene	ND	ug/m3	1.1	2.35		03/14/16 23:45	106-99-0		
2-Butanone (MEK)	ND	ug/m3	7.0	2.35		03/14/16 23:45	78-93-3		
Carbon disulfide	ND	ug/m3	1.5	2.35		03/14/16 23:45	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.5	2.35		03/14/16 23:45	56-23-5		
Chlorobenzene	ND	ug/m3	2.2	2.35		03/14/16 23:45	108-90-7		
Chlorodifluoromethane	187	ug/m3	1.7	2.35		03/14/16 23:45	75-45-6		
Chloroethane	ND	ug/m3	1.3	2.35		03/14/16 23:45	75-00-3		
Chloroform	57.8	ug/m3	2.3	2.35		03/14/16 23:45	67-66-3		
Chloromethane	ND	ug/m3	0.99	2.35		03/14/16 23:45	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 15:57	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.6	2.35		03/14/16 23:45	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 15:57	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	4.1	2.35		03/14/16 23:45	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.7	2.35		03/14/16 23:45	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.9	2.35		03/14/16 23:45	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.9	2.35		03/14/16 23:45	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.9	2.35		03/14/16 23:45	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	2.4	2.35		03/14/16 23:45	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.9	2.35		03/14/16 23:45	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.96	2.35		03/14/16 23:45	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.9	2.35		03/14/16 23:45	75-35-4		
cis-1,2-Dichloroethene	107	ug/m3	1.9	2.35		03/14/16 23:45	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.9	2.35		03/14/16 23:45	156-60-5		
1,2-Dichloropropane	ND	ug/m3	2.2	2.35		03/14/16 23:45	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	2.2	2.35		03/14/16 23:45	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	2.2	2.35		03/14/16 23:45	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	3.3	2.35		03/14/16 23:45	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 15:57	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	8.6	2.35		03/14/16 23:45	123-91-1		
Ethylbenzene	ND	ug/m3	2.1	2.35		03/14/16 23:45	100-41-4		
4-Ethyltoluene	ND	ug/m3	2.4	2.35		03/14/16 23:45	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	25.5	2.35		03/14/16 23:45	87-68-3		
n-Hexane	18.8	ug/m3	1.7	2.35		03/14/16 23:45	110-54-3		
2-Hexanone	ND	ug/m3	9.8	2.35		03/14/16 23:45	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	5.9	2.35		03/14/16 23:45	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 15:57	79-20-9		
Methylcyclohexane	ND	ug/m3	1.9	2.35		03/14/16 23:45	108-87-2		
Methylene Chloride	134	ug/m3	8.3	2.35		03/14/16 23:45	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	9.8	2.35		03/14/16 23:45	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	8.6	2.35		03/14/16 23:45	1634-04-4		
2-Propanol	ND	ug/m3	5.9	2.35		03/14/16 23:45	67-63-0		
Styrene	ND	ug/m3	2.0	2.35		03/14/16 23:45	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.6	2.35		03/14/16 23:45	79-34-5		
Tetrachloroethene	466	ug/m3	1.6	2.35		03/14/16 23:45	127-18-4		
Toluene	4.0	ug/m3	1.8	2.35		03/14/16 23:45	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	17.7	2.35		03/14/16 23:45	120-82-1		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-104-73_20160211		Lab ID: 10338550008		Collected: 02/11/16 11:30		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1,1-Trichloroethane	ND	ug/m3	2.6	2.35		03/14/16 23:45	71-55-6	A3	
1,1,2-Trichloroethane	ND	ug/m3	1.3	2.35		03/14/16 23:45	79-00-5		
Trichloroethene	1140	ug/m3	51.6	93.8		03/15/16 13:58	79-01-6		
Trichlorofluoromethane	21.0	ug/m3	2.7	2.35		03/14/16 23:45	75-69-4		
1,1,2-Trichlorotrifluoroethane	96.0	ug/m3	3.8	2.35		03/14/16 23:45	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	2.3	2.35		03/14/16 23:45	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	2.3	2.35		03/14/16 23:45	108-67-8		
Vinyl chloride	ND	ug/m3	0.61	2.35		03/14/16 23:45	75-01-4		
m&p-Xylene	ND	ug/m3	4.2	2.35		03/14/16 23:45	179601-23-1		
o-Xylene	ND	ug/m3	2.1	2.35		03/14/16 23:45	95-47-6		

Sample: FPM-20_5_2016211		Lab ID: 10338550009		Collected: 02/11/16 12:30		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 13:46	75-37-6	SS	
Acetone	8.2	ug/m3	4.2	1.75		03/14/16 18:25	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/14/16 18:25	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		03/14/16 18:25	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/14/16 18:25	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 18:25	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 18:25	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 18:25	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/14/16 18:25	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 18:25	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/14/16 18:25	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 18:25	108-90-7		
Chlorodifluoromethane	39.5	ug/m3	1.3	1.75		03/14/16 18:25	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 18:25	75-00-3		
Chloroform	ND	ug/m3	1.7	1.75		03/14/16 18:25	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/14/16 18:25	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 13:46	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 18:25	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 13:46	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 18:25	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 18:25	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 18:25	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 18:25	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 18:25	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.8	1.75		03/14/16 18:25	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 18:25	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 18:25	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 18:25	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 18:25	156-59-2		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: FPM-20_5_2016211		Lab ID: 10338550009		Collected: 02/11/16 12:30		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 18:25	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 18:25	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 18:25	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 18:25	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/14/16 18:25	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 13:46	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 18:25	123-91-1		
Ethylbenzene	27.6	ug/m3	1.5	1.75		03/14/16 18:25	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/14/16 18:25	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 18:25	87-68-3		
n-Hexane	10.9	ug/m3	1.3	1.75		03/14/16 18:25	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 18:25	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 18:25	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 13:46	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 18:25	108-87-2		
Methylene Chloride	45.3	ug/m3	6.2	1.75		03/14/16 18:25	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 18:25	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 18:25	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/14/16 18:25	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 18:25	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 18:25	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/14/16 18:25	127-18-4		
Toluene	4.3	ug/m3	1.3	1.75		03/14/16 18:25	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 18:25	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 18:25	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/14/16 18:25	79-00-5		
Trichloroethene	1.9	ug/m3	0.96	1.75		03/14/16 18:25	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/14/16 18:25	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/14/16 18:25	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 18:25	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 18:25	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/14/16 18:25	75-01-4		
m&p-Xylene	85.8	ug/m3	3.1	1.75		03/14/16 18:25	179601-23-1		
o-Xylene	25.6	ug/m3	1.5	1.75		03/14/16 18:25	95-47-6		

Sample: FPM-20_9.4_2016211		Lab ID: 10338550010		Collected: 02/11/16 12:35		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.6	1.92		03/11/16 18:22	75-37-6	SS	
Acetone	23.6	ug/m3	4.6	1.92		03/14/16 22:09	67-64-1		
Allyl chloride	ND	ug/m3	3.1	1.92		03/14/16 22:09	107-05-1		
Benzene	ND	ug/m3	1.2	1.92		03/14/16 22:09	71-43-2		
Bromodichloromethane	ND	ug/m3	2.6	1.92		03/14/16 22:09	75-27-4		
Bromoform	ND	ug/m3	4.0	1.92		03/14/16 22:09	75-25-2		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: FPM-20_9.4_2016211		Lab ID: 10338550010		Collected: 02/11/16 12:35		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromomethane	ND	ug/m3	1.5	1.92		03/14/16 22:09	74-83-9		
1,3-Butadiene	ND	ug/m3	0.86	1.92		03/14/16 22:09	106-99-0		
2-Butanone (MEK)	6.7	ug/m3	5.8	1.92		03/14/16 22:09	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.92		03/14/16 22:09	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.92		03/14/16 22:09	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.92		03/14/16 22:09	108-90-7		
Chlorodifluoromethane	125	ug/m3	1.4	1.92		03/14/16 22:09	75-45-6		
Chloroethane	ND	ug/m3	1.0	1.92		03/14/16 22:09	75-00-3		
Chloroform	ND	ug/m3	1.9	1.92		03/14/16 22:09	67-66-3		
Chloromethane	ND	ug/m3	0.81	1.92		03/14/16 22:09	74-87-3		
Chloropentafluoroethane	ND	ug/m3	6.2	1.92		03/11/16 18:22	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.3	1.92		03/14/16 22:09	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.4	1.92		03/11/16 18:22	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.3	1.92		03/14/16 22:09	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		03/14/16 22:09	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/14/16 22:09	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/14/16 22:09	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/14/16 22:09	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.9	1.92		03/14/16 22:09	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	1.92		03/14/16 22:09	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.79	1.92		03/14/16 22:09	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.6	1.92		03/14/16 22:09	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/14/16 22:09	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/14/16 22:09	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		03/14/16 22:09	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/14/16 22:09	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/14/16 22:09	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.92		03/14/16 22:09	76-14-2		
Freon 123	ND	ug/m3	6.1	1.92		03/11/16 18:22	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.0	1.92		03/14/16 22:09	123-91-1		
Ethylbenzene	ND	ug/m3	1.7	1.92		03/14/16 22:09	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.9	1.92		03/14/16 22:09	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	20.8	1.92		03/14/16 22:09	87-68-3		
n-Hexane	ND	ug/m3	1.4	1.92		03/14/16 22:09	110-54-3		
2-Hexanone	ND	ug/m3	8.0	1.92		03/14/16 22:09	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.8	1.92		03/14/16 22:09	98-82-8		
Methyl acetate	ND	ug/m3	3.0	1.92		03/11/16 18:22	79-20-9		
Methylcyclohexane	ND	ug/m3	1.6	1.92		03/14/16 22:09	108-87-2		
Methylene Chloride	ND	ug/m3	6.8	1.92		03/14/16 22:09	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.0	1.92		03/14/16 22:09	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.92		03/14/16 22:09	1634-04-4		
2-Propanol	ND	ug/m3	4.8	1.92		03/14/16 22:09	67-63-0		
Styrene	ND	ug/m3	1.7	1.92		03/14/16 22:09	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		03/14/16 22:09	79-34-5		
Tetrachloroethene	2.4	ug/m3	1.3	1.92		03/15/16 15:27	127-18-4		
Toluene	ND	ug/m3	1.5	1.92		03/14/16 22:09	108-88-3		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: FPM-20_9.4_2016211		Lab ID: 10338550010		Collected: 02/11/16 12:35		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ug/m3	14.5	1.92		03/14/16 22:09	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.92		03/14/16 22:09	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.92		03/14/16 22:09	79-00-5		
Trichloroethene	5.2	ug/m3	1.1	1.92		03/15/16 15:27	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.2	1.92		03/14/16 22:09	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	1.92		03/14/16 22:09	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/14/16 22:09	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/14/16 22:09	108-67-8		
Vinyl chloride	ND	ug/m3	0.50	1.92		03/14/16 22:09	75-01-4		
m&p-Xylene	ND	ug/m3	3.4	1.92		03/14/16 22:09	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.92		03/14/16 22:09	95-47-6		

Sample: VP-8_5_20160211		Lab ID: 10338550011		Collected: 02/11/16 12:44		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 11:41	75-37-6	SS	
Acetone	32.8	ug/m3	4.2	1.75		03/14/16 23:13	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/14/16 23:13	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		03/14/16 23:13	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/14/16 23:13	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 23:13	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 23:13	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 23:13	106-99-0		
2-Butanone (MEK)	6.7	ug/m3	5.2	1.75		03/14/16 23:13	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 23:13	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/14/16 23:13	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 23:13	108-90-7		
Chlorodifluoromethane	10.9	ug/m3	1.3	1.75		03/14/16 23:13	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 23:13	75-00-3		
Chloroform	ND	ug/m3	1.7	1.75		03/14/16 23:13	67-66-3		
Chloromethane	0.81	ug/m3	0.74	1.75		03/14/16 23:13	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 11:41	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 23:13	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 11:41	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 23:13	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 23:13	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 23:13	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 23:13	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 23:13	106-46-7		
Dichlorodifluoromethane	1.8	ug/m3	1.8	1.75		03/14/16 23:13	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 23:13	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 23:13	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 23:13	75-35-4		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8_5_20160211		Lab ID: 10338550011		Collected: 02/11/16 12:44		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 23:13	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 23:13	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 23:13	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 23:13	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 23:13	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/14/16 23:13	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 11:41	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 23:13	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/14/16 23:13	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/14/16 23:13	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 23:13	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/14/16 23:13	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 23:13	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 23:13	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 11:41	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 23:13	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/14/16 23:13	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 23:13	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 23:13	1634-04-4		
2-Propanol	10.8	ug/m3	4.4	1.75		03/14/16 23:13	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 23:13	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 23:13	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/14/16 23:13	127-18-4		
Toluene	2.0	ug/m3	1.3	1.75		03/14/16 23:13	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 23:13	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 23:13	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/14/16 23:13	79-00-5		
Trichloroethene	5.6	ug/m3	0.96	1.75		03/14/16 23:13	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/14/16 23:13	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/14/16 23:13	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 23:13	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 23:13	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/14/16 23:13	75-01-4		
m&p-Xylene	4.6	ug/m3	3.1	1.75		03/14/16 23:13	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/14/16 23:13	95-47-6		

Sample: VP-8_10_20160211		Lab ID: 10338550012		Collected: 02/11/16 12:08		Received: 02/13/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		17.5	ug/m3	2.4	1.75		03/11/16 18:53	75-37-6	SS
Acetone		ND	ug/m3	4.2	1.75		03/14/16 19:30	67-64-1	
Allyl chloride		ND	ug/m3	2.8	1.75		03/14/16 19:30	107-05-1	
Benzene		ND	ug/m3	1.1	1.75		03/14/16 19:30	71-43-2	
Bromodichloromethane		ND	ug/m3	2.4	1.75		03/14/16 19:30	75-27-4	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8_10_20160211		Lab ID: 10338550012		Collected: 02/11/16 12:08		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 19:30	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 19:30	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 19:30	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/14/16 19:30	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 19:30	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/14/16 19:30	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 19:30	108-90-7		
Chlorodifluoromethane	11.5	ug/m3	1.3	1.75		03/14/16 19:30	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 19:30	75-00-3		
Chloroform	ND	ug/m3	1.7	1.75		03/14/16 19:30	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/14/16 19:30	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 18:53	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 19:30	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 18:53	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 19:30	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 19:30	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 19:30	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 19:30	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 19:30	106-46-7		
Dichlorodifluoromethane	1.8	ug/m3	1.8	1.75		03/14/16 19:30	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 19:30	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 19:30	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 19:30	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 19:30	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 19:30	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 19:30	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 19:30	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 19:30	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/14/16 19:30	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 18:53	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 19:30	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/14/16 19:30	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/14/16 19:30	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 19:30	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/14/16 19:30	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 19:30	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 19:30	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 18:53	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 19:30	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/14/16 19:30	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 19:30	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 19:30	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/14/16 19:30	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 19:30	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 19:30	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/15/16 11:38	127-18-4		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8_10_20160211		Lab ID: 10338550012		Collected: 02/11/16 12:08		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Toluene	ND	ug/m3	1.3	1.75		03/14/16 19:30	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 19:30	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 19:30	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/14/16 19:30	79-00-5		
Trichloroethene	12.8	ug/m3	0.96	1.75		03/15/16 11:38	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/14/16 19:30	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/14/16 19:30	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 19:30	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 19:30	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/14/16 19:30	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/14/16 19:30	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/14/16 19:30	95-47-6		

Sample: VP-8_20_20160211		Lab ID: 10338550013		Collected: 02/11/16 12:22		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 19:56	75-37-6	SS	
Acetone	5.3	ug/m3	4.2	1.75		03/14/16 17:52	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/14/16 17:52	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		03/14/16 17:52	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/14/16 17:52	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 17:52	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 17:52	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 17:52	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/14/16 17:52	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 17:52	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/14/16 17:52	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 17:52	108-90-7		
Chlorodifluoromethane	97.7	ug/m3	1.3	1.75		03/14/16 17:52	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 17:52	75-00-3		
Chloroform	ND	ug/m3	1.7	1.75		03/14/16 17:52	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/14/16 17:52	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 19:56	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 17:52	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 19:56	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 17:52	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 17:52	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 17:52	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 17:52	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 17:52	106-46-7		
Dichlorodifluoromethane	2.7	ug/m3	1.8	1.75		03/14/16 17:52	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 17:52	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 17:52	107-06-2		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8_20_20160211		Lab ID: 10338550013		Collected: 02/11/16 12:22		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 17:52	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 17:52	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 17:52	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 17:52	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 17:52	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 17:52	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/14/16 17:52	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 19:56	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 17:52	123-91-1		
Ethylbenzene	1.6	ug/m3	1.5	1.75		03/14/16 17:52	100-41-4		
4-Ethyltoluene	2.0	ug/m3	1.8	1.75		03/14/16 17:52	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 17:52	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/14/16 17:52	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 17:52	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 17:52	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 19:56	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 17:52	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/14/16 17:52	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 17:52	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 17:52	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/14/16 17:52	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 17:52	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 17:52	79-34-5		
Tetrachloroethene	2.6	ug/m3	1.2	1.75		03/14/16 17:52	127-18-4		
Toluene	3.6	ug/m3	1.3	1.75		03/14/16 17:52	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 17:52	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 17:52	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/14/16 17:52	79-00-5		
Trichloroethene	21.1	ug/m3	0.96	1.75		03/14/16 17:52	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/14/16 17:52	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/14/16 17:52	76-13-1		
1,2,4-Trimethylbenzene	10.1	ug/m3	1.7	1.75		03/14/16 17:52	95-63-6		
1,3,5-Trimethylbenzene	2.9	ug/m3	1.7	1.75		03/14/16 17:52	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/14/16 17:52	75-01-4		
m&p-Xylene	7.9	ug/m3	3.1	1.75		03/14/16 17:52	179601-23-1		
o-Xylene	3.4	ug/m3	1.5	1.75		03/14/16 17:52	95-47-6		

Sample: VP-8D_53.5_20160211		Lab ID: 10338550014		Collected: 02/11/16 12:05		Received: 02/13/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/11/16 12:12	75-37-6		SS
Acetone	13.9	ug/m3	4.4	1.83		03/14/16 18:57	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/14/16 18:57	107-05-1		
Benzene	ND	ug/m3	1.2	1.83		03/14/16 18:57	71-43-2		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8D_53.5_20160211		Lab ID: 10338550014		Collected: 02/11/16 12:05		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/14/16 18:57	75-27-4		
Bromoform	ND	ug/m3	3.8	1.83		03/14/16 18:57	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/14/16 18:57	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/14/16 18:57	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/14/16 18:57	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/14/16 18:57	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/14/16 18:57	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/14/16 18:57	108-90-7		
Chlorodifluoromethane	140	ug/m3	1.3	1.83		03/14/16 18:57	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/14/16 18:57	75-00-3		
Chloroform	71.4	ug/m3	1.8	1.83		03/14/16 18:57	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/14/16 18:57	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/11/16 12:12	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.3	1.83		03/14/16 18:57	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/11/16 12:12	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/14/16 18:57	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/14/16 18:57	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 18:57	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 18:57	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 18:57	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.8	1.83		03/14/16 18:57	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/14/16 18:57	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/14/16 18:57	107-06-2		
1,1-Dichloroethene	17.8	ug/m3	1.5	1.83		03/14/16 18:57	75-35-4		
cis-1,2-Dichloroethene	1530	ug/m3	474	585.6		03/15/16 12:34	156-59-2	A3	
trans-1,2-Dichloroethene	21.7	ug/m3	1.5	1.83		03/14/16 18:57	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/14/16 18:57	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 18:57	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 18:57	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/14/16 18:57	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/11/16 12:12	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/14/16 18:57	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/14/16 18:57	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/14/16 18:57	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/14/16 18:57	87-68-3		
n-Hexane	3.0	ug/m3	1.3	1.83		03/14/16 18:57	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/14/16 18:57	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/14/16 18:57	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/11/16 12:12	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/14/16 18:57	108-87-2		
Methylene Chloride	7.7	ug/m3	6.5	1.83		03/14/16 18:57	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/14/16 18:57	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/14/16 18:57	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/14/16 18:57	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/14/16 18:57	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/14/16 18:57	79-34-5		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8D_53.5_20160211		Lab ID: 10338550014		Collected: 02/11/16 12:05		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	2230	ug/m3	403	585.6		03/15/16 12:34	127-18-4	A3	
Toluene	ND	ug/m3	1.4	1.83		03/14/16 18:57	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/14/16 18:57	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/14/16 18:57	71-55-6		
1,1,2-Trichloroethane	14.3	ug/m3	1.0	1.83		03/14/16 18:57	79-00-5		
Trichloroethene	97900	ug/m3	322	585.6		03/15/16 12:34	79-01-6	A3	
Trichlorofluoromethane	27.1	ug/m3	2.1	1.83		03/14/16 18:57	75-69-4		
1,1,2-Trichlorotrifluoroethane	244	ug/m3	2.9	1.83		03/14/16 18:57	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 18:57	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 18:57	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/14/16 18:57	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/14/16 18:57	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/14/16 18:57	95-47-6		

Sample: VP-8D_62.5_20160211		Lab ID: 10338550015		Collected: 02/11/16 12:05		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 16:46	75-37-6	SS	
Acetone	21.3	ug/m3	5.7	2.35		03/15/16 00:17	67-64-1		
Allyl chloride	ND	ug/m3	3.7	2.35		03/15/16 00:17	107-05-1		
Benzene	ND	ug/m3	1.5	2.35		03/15/16 00:17	71-43-2		
Bromodichloromethane	ND	ug/m3	3.2	2.35		03/15/16 00:17	75-27-4		
Bromoform	ND	ug/m3	4.9	2.35		03/15/16 00:17	75-25-2		
Bromomethane	ND	ug/m3	1.9	2.35		03/15/16 00:17	74-83-9		
1,3-Butadiene	ND	ug/m3	1.1	2.35		03/15/16 00:17	106-99-0		
2-Butanone (MEK)	ND	ug/m3	7.0	2.35		03/15/16 00:17	78-93-3		
Carbon disulfide	ND	ug/m3	1.5	2.35		03/15/16 00:17	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.5	2.35		03/15/16 00:17	56-23-5		
Chlorobenzene	ND	ug/m3	2.2	2.35		03/15/16 00:17	108-90-7		
Chlorodifluoromethane	145	ug/m3	1.7	2.35		03/15/16 00:17	75-45-6		
Chloroethane	ND	ug/m3	1.3	2.35		03/15/16 00:17	75-00-3		
Chloroform	79.8	ug/m3	2.3	2.35		03/15/16 00:17	67-66-3		
Chloromethane	ND	ug/m3	0.99	2.35		03/15/16 00:17	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 16:46	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.6	2.35		03/15/16 00:17	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 16:46	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	4.1	2.35		03/15/16 00:17	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.7	2.35		03/15/16 00:17	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.9	2.35		03/15/16 00:17	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.9	2.35		03/15/16 00:17	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.9	2.35		03/15/16 00:17	106-46-7		
Dichlorodifluoromethane	2.9	ug/m3	2.4	2.35		03/15/16 00:17	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.9	2.35		03/15/16 00:17	75-34-3		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8D_62.5_20160211		Lab ID: 10338550015		Collected: 02/11/16 12:05		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2-Dichloroethane	ND	ug/m3	0.96	2.35		03/15/16 00:17	107-06-2		
1,1-Dichloroethene	8.1	ug/m3	1.9	2.35		03/15/16 00:17	75-35-4		
cis-1,2-Dichloroethene	1730	ug/m3	608	750.4		03/15/16 13:02	156-59-2	A3	
trans-1,2-Dichloroethene	13.7	ug/m3	1.9	2.35		03/15/16 00:17	156-60-5		
1,2-Dichloropropane	ND	ug/m3	2.2	2.35		03/15/16 00:17	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	2.2	2.35		03/15/16 00:17	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	2.2	2.35		03/15/16 00:17	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	3.3	2.35		03/15/16 00:17	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 16:46	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	8.6	2.35		03/15/16 00:17	123-91-1		
Ethylbenzene	3.2	ug/m3	2.1	2.35		03/15/16 00:17	100-41-4		
4-Ethyltoluene	4.3	ug/m3	2.4	2.35		03/15/16 00:17	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	25.5	2.35		03/15/16 00:17	87-68-3		
n-Hexane	4.4	ug/m3	1.7	2.35		03/15/16 00:17	110-54-3		
2-Hexanone	ND	ug/m3	9.8	2.35		03/15/16 00:17	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	5.9	2.35		03/15/16 00:17	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 16:46	79-20-9		
Methylcyclohexane	ND	ug/m3	1.9	2.35		03/15/16 00:17	108-87-2		
Methylene Chloride	45.5	ug/m3	8.3	2.35		03/15/16 00:17	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	9.8	2.35		03/15/16 00:17	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	8.6	2.35		03/15/16 00:17	1634-04-4		
2-Propanol	6.2	ug/m3	5.9	2.35		03/15/16 00:17	67-63-0		
Styrene	ND	ug/m3	2.0	2.35		03/15/16 00:17	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.6	2.35		03/15/16 00:17	79-34-5		
Tetrachloroethene	2680	ug/m3	517	750.4		03/15/16 13:02	127-18-4	A3	
Toluene	4.0	ug/m3	1.8	2.35		03/15/16 00:17	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	17.7	2.35		03/15/16 00:17	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.6	2.35		03/15/16 00:17	71-55-6		
1,1,2-Trichloroethane	13.6	ug/m3	1.3	2.35		03/15/16 00:17	79-00-5		
Trichloroethene	65700	ug/m3	413	750.4		03/15/16 13:02	79-01-6	A3	
Trichlorofluoromethane	24.2	ug/m3	2.7	2.35		03/15/16 00:17	75-69-4		
1,1,2-Trichlorotrifluoroethane	229	ug/m3	3.8	2.35		03/15/16 00:17	76-13-1		
1,2,4-Trimethylbenzene	11.3	ug/m3	2.3	2.35		03/15/16 00:17	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	2.3	2.35		03/15/16 00:17	108-67-8		
Vinyl chloride	ND	ug/m3	0.61	2.35		03/15/16 00:17	75-01-4		
m&p-Xylene	14.1	ug/m3	4.2	2.35		03/15/16 00:17	179601-23-1		
o-Xylene	3.5	ug/m3	2.1	2.35		03/15/16 00:17	95-47-6		

Sample: VP-8D_62.5_20160211DUP		Lab ID: 10338550016		Collected: 02/11/16 12:00		Received: 02/13/16 10:00		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15								
1,1-Difluoroethane		ND	ug/m3	2.5	1.83			03/11/16 19:25	75-37-6	SS
Acetone		11.1	ug/m3	4.4	1.83			03/14/16 21:37	67-64-1	
Allyl chloride		ND	ug/m3	2.9	1.83			03/14/16 21:37	107-05-1	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8D_62.5_20160211DUP		Lab ID: 10338550016		Collected: 02/11/16 12:00		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Benzene	ND	ug/m3	1.2	1.83		03/14/16 21:37	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/14/16 21:37	75-27-4		
Bromoform	ND	ug/m3	3.8	1.83		03/14/16 21:37	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/14/16 21:37	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/14/16 21:37	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/14/16 21:37	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/14/16 21:37	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/14/16 21:37	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/14/16 21:37	108-90-7		
Chlorodifluoromethane	126	ug/m3	1.3	1.83		03/14/16 21:37	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/14/16 21:37	75-00-3		
Chloroform	75.5	ug/m3	1.8	1.83		03/14/16 21:37	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/14/16 21:37	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/11/16 19:25	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.3	1.83		03/14/16 21:37	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/11/16 19:25	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/14/16 21:37	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/14/16 21:37	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 21:37	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 21:37	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 21:37	106-46-7		
Dichlorodifluoromethane	2.8	ug/m3	1.8	1.83		03/14/16 21:37	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/14/16 21:37	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/14/16 21:37	107-06-2		
1,1-Dichloroethene	8.3	ug/m3	1.5	1.83		03/14/16 21:37	75-35-4		
cis-1,2-Dichloroethene	1710	ug/m3	474	585.6		03/15/16 14:54	156-59-2	A3	
trans-1,2-Dichloroethene	14.3	ug/m3	1.5	1.83		03/14/16 21:37	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/14/16 21:37	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 21:37	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 21:37	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/14/16 21:37	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/11/16 19:25	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/14/16 21:37	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/14/16 21:37	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/14/16 21:37	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/14/16 21:37	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/14/16 21:37	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/14/16 21:37	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/14/16 21:37	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/11/16 19:25	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/14/16 21:37	108-87-2		
Methylene Chloride	10.7	ug/m3	6.5	1.83		03/14/16 21:37	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/14/16 21:37	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/14/16 21:37	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/14/16 21:37	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/14/16 21:37	100-42-5		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Sample Project No.: 10338550

Sample: VP-8D_62.5_20160211DUP		Lab ID: 10338550016		Collected: 02/11/16 12:00		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/14/16 21:37	79-34-5	A3	
Tetrachloroethene	2650	ug/m3	403	585.6		03/15/16 14:54	127-18-4		
Toluene	ND	ug/m3	1.4	1.83		03/14/16 21:37	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/14/16 21:37	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/14/16 21:37	71-55-6	A3	
1,1,2-Trichloroethane	13.2	ug/m3	1.0	1.83		03/14/16 21:37	79-00-5		
Trichloroethene	63800	ug/m3	322	585.6		03/15/16 14:54	79-01-6		
Trichlorofluoromethane	22.9	ug/m3	2.1	1.83		03/14/16 21:37	75-69-4		
1,1,2-Trichlorotrifluoroethane	229	ug/m3	2.9	1.83		03/14/16 21:37	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 21:37	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 21:37	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/14/16 21:37	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/14/16 21:37	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/14/16 21:37	95-47-6		

Sample: VP-8D_72.5_20160211		Lab ID: 10338550017		Collected: 02/11/16 12:28		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/11/16 10:57	75-37-6	SS	
Acetone	12.6	ug/m3	4.2	1.75		03/14/16 22:41	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/14/16 22:41	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		03/14/16 22:41	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/14/16 22:41	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 22:41	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 22:41	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 22:41	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/14/16 22:41	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 22:41	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/14/16 22:41	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 22:41	108-90-7		
Chlorodifluoromethane	129	ug/m3	1.3	1.75		03/14/16 22:41	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 22:41	75-00-3		
Chloroform	68.8	ug/m3	1.7	1.75		03/14/16 22:41	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/14/16 22:41	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/11/16 10:57	76-15-3	CL,IC, L2,SS	
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 22:41	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/11/16 10:57	96-12-8	SS	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 22:41	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 22:41	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 22:41	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 22:41	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 22:41	106-46-7		
Dichlorodifluoromethane	2.6	ug/m3	1.8	1.75		03/14/16 22:41	75-71-8		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Sample: VP-8D_72.5_20160211		Lab ID: 10338550017		Collected: 02/11/16 12:28		Received: 02/13/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 22:41	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 22:41	107-06-2		
1,1-Dichloroethene	5.1	ug/m3	1.4	1.75		03/14/16 22:41	75-35-4		
cis-1,2-Dichloroethene	1030	ug/m3	227	280		03/15/16 14:26	156-59-2	A3	
trans-1,2-Dichloroethene	9.7	ug/m3	1.4	1.75		03/14/16 22:41	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 22:41	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 22:41	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 22:41	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/14/16 22:41	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/11/16 10:57	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 22:41	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/14/16 22:41	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/14/16 22:41	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 22:41	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/14/16 22:41	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 22:41	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 22:41	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/11/16 10:57	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 22:41	108-87-2		
Methylene Chloride	16.0	ug/m3	6.2	1.75		03/14/16 22:41	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 22:41	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 22:41	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/14/16 22:41	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 22:41	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 22:41	79-34-5		
Tetrachloroethene	1690	ug/m3	193	280		03/15/16 14:26	127-18-4	A3	
Toluene	ND	ug/m3	1.3	1.75		03/14/16 22:41	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 22:41	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 22:41	71-55-6		
1,1,2-Trichloroethane	10.3	ug/m3	0.96	1.75		03/14/16 22:41	79-00-5		
Trichloroethene	23800	ug/m3	154	280		03/15/16 14:26	79-01-6	A3	
Trichlorofluoromethane	23.0	ug/m3	2.0	1.75		03/14/16 22:41	75-69-4		
1,1,2-Trichlorotrifluoroethane	203	ug/m3	2.8	1.75		03/14/16 22:41	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 22:41	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 22:41	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/14/16 22:41	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/14/16 22:41	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/14/16 22:41	95-47-6		

REPORT OF LABORATORY ANALYSIS

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Appendix C

Support Documentation

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10338550

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-8D_62.5_20160211	1,1,2-TRICHLOROETHANE	13.6	VP-8D_62.5_20160211DUP	1,1,2-TRICHLOROETHANE	13.2	2.99	0.4	1.3
	1,1-DICHLOROETHENE	8.1		1,1-DICHLOROETHENE	8.3	2.44	0.2	1.9
	1,2,4-TRIMETHYLBENZENE	11.3		1,2,4-TRIMETHYLBENZENE	1.8 U	NA	9.5	2.3
	1-ETHYL-4-METHYL BENZENE	4.3		1-ETHYL-4-METHYL BENZENE	1.8 U	NA	2.5	2.4
	ACETONE	21.3		ACETONE	11.1	62.96	10.2	5.7
	CHLORODIFLUOROMETHANE	145		CHLORODIFLUOROMETHANE	126	14.02	19	1.7
	CHLOROFORM	79.8		CHLOROFORM	75.5	5.54	4.3	2.3
	CIS-1,2-DICHLOROETHENE	1730		CIS-1,2-DICHLOROETHENE	1710	1.16	20	608
	DICHLORODIFLUOROMETHANE	2.9		DICHLORODIFLUOROMETHANE	2.8	3.51	0.1	2.4
	ETHYLBENZENE	3.2		ETHYLBENZENE	1.6 U	NA	1.6	2.1
	HEXANE	4.4		HEXANE	1.3 U	NA	3.1	1.7
	ISOPROPANOL	6.2		ISOPROPANOL	4.6 U	NA	1.6	5.9
	M+P-XYLENES	14.1		M+P-XYLENES	3.2 U	NA	10.9	4.2
	METHYLENE CHLORIDE	45.5		METHYLENE CHLORIDE	10.7	123.84	34.8	8.3
	O-XYLENE	3.5		O-XYLENE	1.6 U	NA	1.9	2.1
	TETRACHLOROETHENE	2680		TETRACHLOROETHENE	2650	1.13	30	517
	TOLUENE	4		TOLUENE	1.4 U	NA	2.6	1.8
	TRANS-1,2-DICHLOROETHENE	13.7		TRANS-1,2-DICHLOROETHENE	14.3	4.29	0.6	1.9
	TRICHLOROETHENE	65700		TRICHLOROETHENE	63800	2.93	1900	413
	TRICHLOROFLUOROMETHANE	24.2		TRICHLOROFLUOROMETHANE	22.9	5.52	1.3	2.7

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10338550

Section A Required Client Information:

Company: **TETRA TECH**
Address: **295 Rte 22E, Suite 104G**
Whitehouse Station, NJ 08889
Email To: **Keith.McDermott@TetraTech.com**
Phone: **908-534-2303** Fax: **908-534-4709**
Requested Due Date/TAT:

Section B Required Project Information:

Report To: **Keith McDermott**
Copy To:
Purchase Order No.:
Project Name: **LMC - Great Neck**
Project Number: **117-0507.644**

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

23896

Page: 1 of 2

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					COMPOSITE START END/GRAB		COMPOSITE -						PM10	3C - Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15*	TO-15 Short List*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Comments:

* Modified COC List

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
Priscilla Menta		2/12/16	10:50	Jon Bank		2/12/16	10:50	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
[Signature]		2/12/16	1330	[Signature]		2/15/16	1000	Y/N	Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

Jon Bank, PRISCILLA MENTA

DATE Signed (MM/DD/YY)

2/9/16

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact

ORIGINAL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

23895

Page: 2 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Company: <u>Tetra Tech</u>	Report To: <u>Keith McDermott</u>	Attention:	Location of Sampling by State <u>NY</u> Reporting Units ug/m ³ <input checked="" type="checkbox"/> mg/m ³ <input type="checkbox"/> PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other
Address: <u>295 Route 22E, Suite 104E</u> <u>Whitehouse Station, NJ 08889</u>	Copy To:	Company Name:	
Email To: <u>Keith.McDermott@TetraTech.com</u>	Purchase Order No.:	Address:	Report Level <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other
Phone: <u>908-534-2303</u> Fax: <u>908-534-4709</u>	Project Name: <u>LMC - Great Neck</u>	Pace Quote Reference:	
Requested Due Date/TAT:	Project Number: <u>117-0507.644</u>	Pace Project Manager/Sales Rep.	
		Pace Profile #:	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:											Pace Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Comments:

* Modified COCLIST

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
<u>Pace Labs, Inc. / IT</u>		2/12/16	10:50	<u>[Signature]</u>		2/12/16	10:50	Temp	Y/N	Received on Ice	Y/N
<u>[Signature]</u>		2/11/16	13:30	<u>[Signature]</u>		2/13/16	1000	Custody Sealed Cooler	Y/N	Y/N	Y/N
								Samples Intact	Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N

ORIGINAL

SAMPLER NAME AND SIGNATURE


PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

Jon Bak, PRISMA MEDIA
[Signature] 2/9/16

DATE Signed (MM/DD/YY)

Temp in °C
Received on Ice
Custody Sealed Cooler
Samples Intact

	Document Name: Air Sample Condition Upon Receipt	Document Revised: 29June2015 Page 1 of 1
	Document No.: F-MN-A-106-rev.10	Issuing Authority: Pace Minnesota Quality Office

**Air Sample Condition
Upon Receipt**

Client Name:

Project #:

WO# : 10338550



Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client
☐ Commercial ☐ Pace ☐ Other: _____

Tracking Number: on other sheet

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X

Corrected Temp (°C): X

Thermom. Used:

☐ B88A912167504
☐ B88A9132521491

☐ 72337080
☐ 80512447

Temp should be above freezing to 6°C

Correction Factor: X

Date & Initials of Person Examining Contents: 2/15/16

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
VP-104-5	1635	0177	VP-8-5	2344	0050
VP-104-10	1265	0185	VP-8-8	2742	0607
VP-104-19	2298	0041	VP-8-20	1054	0358
VP-104-30	0992	0196	VP-80-53	2049	0176
VP-104-40	2368	0093	VP-80-62.5	0118	0167
VP-104-50	2330	0606	VP-80-62.5 Dup	1727	0192
VP-104-62	2800	0354	VP-80-72.5	2655	0162
VP-104-73	0980	0194	used bad	2125	0330
FPM-20-5	1608	0184			
FRM-20-9	2715	0225			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review:

Date: 2/15/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

April 01, 2016

Keith M. McDermott
Tetra Tech GeoTrans
295 Us Highway 22 E
Ste 104
Whitehouse Station, NJ 08889

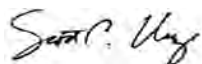
RE: Project: 117-0507.644 LMC-Great Neck
Pace Project No.: 10338550

Dear Keith McDermott:

Enclosed are the analytical results for sample(s) received by the laboratory on February 13, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Scott Unze
scott.unze@pacelabs.com
Project Manager

Enclosures

cc: Priscilla Merta, Tetra Tech
Joseph Samchuck, Tetra Tech



REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

General Information:

17 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

- FPM-20_5_2016211 (Lab ID: 10338550009)
- FPM-20_9.4_2016211 (Lab ID: 10338550010)
- VP-104-10_20160211 (Lab ID: 10338550002)
- VP-104-19_20160211 (Lab ID: 10338550003)
- VP-104-30_20160211 (Lab ID: 10338550004)
- VP-104-40_20160211 (Lab ID: 10338550005)
- VP-104-50_20160211 (Lab ID: 10338550006)
- VP-104-5_20160211 (Lab ID: 10338550001)
- VP-104-62_20160211 (Lab ID: 10338550007)
- VP-104-73_20160211 (Lab ID: 10338550008)
- VP-8D_53.5_20160211 (Lab ID: 10338550014)
- VP-8D_62.5_20160211 (Lab ID: 10338550015)
- VP-8D_62.5_20160211DUP (Lab ID: 10338550016)
- VP-8D_72.5_20160211 (Lab ID: 10338550017)
- VP-8_10_20160211 (Lab ID: 10338550012)
- VP-8_20_20160211 (Lab ID: 10338550013)
- VP-8_5_20160211 (Lab ID: 10338550011)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25431

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 2209296)
 - Chloropentafluoroethane
- LCS (Lab ID: 2209297)
 - Chloropentafluoroethane
- VP-104-10_20160211 (Lab ID: 10338550002)
 - Chloropentafluoroethane
- VP-104-5_20160211 (Lab ID: 10338550001)
 - Chloropentafluoroethane
- VP-104-62_20160211 (Lab ID: 10338550007)
 - Chloropentafluoroethane

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- BLANK (Lab ID: 2209296)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25431

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- Chloropentafluoroethane
- Freon 123
- LCS (Lab ID: 2209297)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-104-10_20160211 (Lab ID: 10338550002)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-104-5_20160211 (Lab ID: 10338550001)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-104-62_20160211 (Lab ID: 10338550007)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123

QC Batch: AIR/25432

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 2209415)
 - Chloropentafluoroethane
- FPM-20_5_2016211 (Lab ID: 10338550009)
 - Chloropentafluoroethane
- FPM-20_9.4_2016211 (Lab ID: 10338550010)
 - Chloropentafluoroethane
- LCS (Lab ID: 2209416)
 - Chloropentafluoroethane
- VP-104-19_20160211 (Lab ID: 10338550003)
 - Chloropentafluoroethane
- VP-104-30_20160211 (Lab ID: 10338550004)
 - Chloropentafluoroethane
- VP-104-40_20160211 (Lab ID: 10338550005)
 - Chloropentafluoroethane
- VP-104-50_20160211 (Lab ID: 10338550006)
 - Chloropentafluoroethane
- VP-104-73_20160211 (Lab ID: 10338550008)
 - Chloropentafluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25432

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- VP-8D_53.5_20160211 (Lab ID: 10338550014)
 - Chloropentafluoroethane
- VP-8D_62.5_20160211 (Lab ID: 10338550015)
 - Chloropentafluoroethane
- VP-8D_62.5_20160211DUP (Lab ID: 10338550016)
 - Chloropentafluoroethane
- VP-8D_72.5_20160211 (Lab ID: 10338550017)
 - Chloropentafluoroethane
- VP-8_10_20160211 (Lab ID: 10338550012)
 - Chloropentafluoroethane
- VP-8_20_20160211 (Lab ID: 10338550013)
 - Chloropentafluoroethane
- VP-8_5_20160211 (Lab ID: 10338550011)
 - Chloropentafluoroethane

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- BLANK (Lab ID: 2209415)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- FPM-20_5_2016211 (Lab ID: 10338550009)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- FPM-20_9.4_2016211 (Lab ID: 10338550010)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- LCS (Lab ID: 2209416)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-104-19_20160211 (Lab ID: 10338550003)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-104-30_20160211 (Lab ID: 10338550004)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25432

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- Chloropentafluoroethane
- Freon 123
- VP-104-40_20160211 (Lab ID: 10338550005)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-104-50_20160211 (Lab ID: 10338550006)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-104-73_20160211 (Lab ID: 10338550008)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-8D_53.5_20160211 (Lab ID: 10338550014)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-8D_62.5_20160211 (Lab ID: 10338550015)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-8D_62.5_20160211DUP (Lab ID: 10338550016)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-8D_72.5_20160211 (Lab ID: 10338550017)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-8_10_20160211 (Lab ID: 10338550012)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
- VP-8_20_20160211 (Lab ID: 10338550013)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25432

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,1-Difluoroethane
- 1,2-Dibromo-3-chloropropane
- Chloropentafluoroethane
- Freon 123
- VP-8_5_20160211 (Lab ID: 10338550011)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25431

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 2209296)
 - Chloropentafluoroethane
- LCS (Lab ID: 2209297)
 - Chloropentafluoroethane
- VP-104-10_20160211 (Lab ID: 10338550002)
 - Chloropentafluoroethane
- VP-104-5_20160211 (Lab ID: 10338550001)
 - Chloropentafluoroethane
- VP-104-62_20160211 (Lab ID: 10338550007)
 - Chloropentafluoroethane

QC Batch: AIR/25432

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 2209415)
 - Chloropentafluoroethane
- FPM-20_5_2016211 (Lab ID: 10338550009)
 - Chloropentafluoroethane
- FPM-20_9.4_2016211 (Lab ID: 10338550010)
 - Chloropentafluoroethane
- LCS (Lab ID: 2209416)
 - Chloropentafluoroethane
- VP-104-19_20160211 (Lab ID: 10338550003)
 - Chloropentafluoroethane
- VP-104-30_20160211 (Lab ID: 10338550004)
 - Chloropentafluoroethane
- VP-104-40_20160211 (Lab ID: 10338550005)
 - Chloropentafluoroethane
- VP-104-50_20160211 (Lab ID: 10338550006)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25432

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Chloropentafluoroethane
- VP-104-73_20160211 (Lab ID: 10338550008)
- Chloropentafluoroethane
- VP-8D_53.5_20160211 (Lab ID: 10338550014)
- Chloropentafluoroethane
- VP-8D_62.5_20160211 (Lab ID: 10338550015)
- Chloropentafluoroethane
- VP-8D_62.5_20160211DUP (Lab ID: 10338550016)
- Chloropentafluoroethane
- VP-8D_72.5_20160211 (Lab ID: 10338550017)
- Chloropentafluoroethane
- VP-8_10_20160211 (Lab ID: 10338550012)
- Chloropentafluoroethane
- VP-8_20_20160211 (Lab ID: 10338550013)
- Chloropentafluoroethane
- VP-8_5_20160211 (Lab ID: 10338550011)
- Chloropentafluoroethane

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: AIR/25431

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- VP-104-62_20160211 (Lab ID: 10338550007)
- Chlorodifluoromethane
- Tetrachloroethene
- Trichloroethene

QC Batch: AIR/25432

A3: The sample was analyzed by serial dilution.

- VP-104-50_20160211 (Lab ID: 10338550006)
- Tetrachloroethene
- Trichloroethene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

Analyte Comments:

QC Batch: AIR/25432

A3: The sample was analyzed by serial dilution.

- VP-104-73_20160211 (Lab ID: 10338550008)
 - Trichloroethene
- VP-8D_53.5_20160211 (Lab ID: 10338550014)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene
 - Trichloroethene
- VP-8D_62.5_20160211 (Lab ID: 10338550015)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene
 - Trichloroethene
- VP-8D_62.5_20160211DUP (Lab ID: 10338550016)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene
 - Trichloroethene
- VP-8D_72.5_20160211 (Lab ID: 10338550017)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene
 - Trichloroethene

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

CL The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10338550001	VP-104-5_20160211	Air	02/11/16 11:03	02/13/16 10:00
10338550002	VP-104-10_20160211	Air	02/11/16 11:32	02/13/16 10:00
10338550003	VP-104-19_20160211	Air	02/11/16 11:28	02/13/16 10:00
10338550004	VP-104-30_20160211	Air	02/11/16 11:51	02/13/16 10:00
10338550005	VP-104-40_20160211	Air	02/11/16 11:26	02/13/16 10:00
10338550006	VP-104-50_20160211	Air	02/11/16 11:40	02/13/16 10:00
10338550007	VP-104-62_20160211	Air	02/11/16 11:52	02/13/16 10:00
10338550008	VP-104-73_20160211	Air	02/11/16 11:30	02/13/16 10:00
10338550009	FPM-20_5_2016211	Air	02/11/16 12:30	02/13/16 10:00
10338550010	FPM-20_9.4_2016211	Air	02/11/16 12:35	02/13/16 10:00
10338550011	VP-8_5_20160211	Air	02/11/16 12:44	02/13/16 10:00
10338550012	VP-8_10_20160211	Air	02/11/16 12:08	02/13/16 10:00
10338550013	VP-8_20_20160211	Air	02/11/16 12:22	02/13/16 10:00
10338550014	VP-8D_53.5_20160211	Air	02/11/16 12:05	02/13/16 10:00
10338550015	VP-8D_62.5_20160211	Air	02/11/16 12:05	02/13/16 10:00
10338550016	VP-8D_62.5_20160211DUP	Air	02/11/16 12:00	02/13/16 10:00
10338550017	VP-8D_72.5_20160211	Air	02/11/16 12:28	02/13/16 10:00
10338550018	Used/Bad Can#2125	Air		02/13/16 10:00

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10338550001	VP-104-5_20160211	TO-15	AIR/25431		
10338550002	VP-104-10_20160211	TO-15	AIR/25431		
10338550003	VP-104-19_20160211	TO-15	AIR/25432		
10338550004	VP-104-30_20160211	TO-15	AIR/25432		
10338550005	VP-104-40_20160211	TO-15	AIR/25432		
10338550006	VP-104-50_20160211	TO-15	AIR/25432		
10338550007	VP-104-62_20160211	TO-15	AIR/25431		
10338550008	VP-104-73_20160211	TO-15	AIR/25432		
10338550009	FPM-20_5_2016211	TO-15	AIR/25432		
10338550010	FPM-20_9.4_2016211	TO-15	AIR/25432		
10338550011	VP-8_5_20160211	TO-15	AIR/25432		
10338550012	VP-8_10_20160211	TO-15	AIR/25432		
10338550013	VP-8_20_20160211	TO-15	AIR/25432		
10338550014	VP-8D_53.5_20160211	TO-15	AIR/25432		
10338550015	VP-8D_62.5_20160211	TO-15	AIR/25432		
10338550016	VP-8D_62.5_20160211DUP	TO-15	AIR/25432		
10338550017	VP-8D_72.5_20160211	TO-15	AIR/25432		

REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/08/2016
Lab File ID (Standard): 06807.D Time Analyzed: 13:01
Instrument ID: 10AIR0 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	4800739	4.650	2162318	7.595
UPPER LIMIT	6721035	5.150	3027245	8.095
LOWER LIMIT	2880443	4.150	1297391	7.095
EPA SAMPLE NO.				
BLANK for HBN 404752 [AIR/2543]	3917093	4.648	1844284	7.573
BLANK for HBN 404777 [AIR/2543]	3917093	4.648	1844284	7.573
LCS for HBN 404752 [AIR/25431]	4312986	4.643	2107950	7.586
LCS for HBN 404777 [AIR/25432]	4312986	4.643	2107950	7.586
VP-104-5_20160211	3417925	4.650	1585708	7.568
VP-104-10_20160211	3466517	4.648	1690138	7.568
VP-104-19_20160211	3309529	4.653	1576503	7.568
VP-104-30_20160211	3427541	4.657	1647174	7.571
VP-104-40_20160211	4097840	4.658	1894933	7.571
VP-104-50_20160211	3482155	4.665	1710499	7.571
VP-104-62_20160211	3791360	4.660	1842403	7.571
VP-104-73_20160211	3328054	4.665	1607693	7.571
FPM-20_5_2016211	3511965	4.653	1672865	7.571
FPM-20_9.4_2016211	3306633	4.655	1591277	7.571
VP-8_5_20160211	4069391	4.650	1965206	7.568
VP-8_10_20160211	3246443	4.651	1516835	7.568
VP-8_20_20160211	3101998	4.655	1424432	7.571
VP-8D_53.5_20160211	3870946	4.694	2163087	7.585
VP-8D_62.5_20160211	3219990	4.686	1764234	7.583
VP-8D_62.5_20160211DUP	3095668	4.684	1640656	7.583
VP-8D_72.5_20160211	3859171	4.682	2045516	7.580

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/11/2016
Lab File ID (Standard): 07110.D Time Analyzed: 13:14
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	4226451	4.557	2535636	7.374
UPPER LIMIT	5917031	5.057	3549890	7.874
LOWER LIMIT	2535871	4.057	1521382	6.874
EPA SAMPLE NO.				
BLANK for HBN 404591 [AIR/2541]	4646590	4.545	2856886	7.373
BLANK for HBN 404752 [AIR/2543]	4646590	4.545	2856886	7.373
LCS for HBN 404591 [AIR/25418]	4586200	4.545	2744541	7.374
LCS for HBN 404752 [AIR/25431]	4586200	4.545	2744541	7.374
VP-104-5_20160211	3662831	4.539	2322639	7.368
VP-104-10_20160211	3576133	4.545	2193971	7.367
VP-104-62_20160211	3697879	4.545	2298719	7.367

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/13/2016
Lab File ID (Standard): 07309.D Time Analyzed: 14:21
Instrument ID: 10AIRB Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	354686	5.575	224999	8.642
UPPER LIMIT	496560	6.075	314999	9.142
LOWER LIMIT	212812	5.075	134999	8.142
EPA SAMPLE NO.				
BLANK for HBN 404777 [AIR/2543	295764	5.551	178366	8.629
LCS for HBN 404777 [AIR/25432]	348143	5.575	215309	8.642
VP-104-19_20160211	451984	5.551	272218	8.629
VP-104-30_20160211	435280	5.557	264991	8.635
VP-104-40_20160211	464549	5.557	280116	8.636
VP-104-50_20160211	452560	5.569	274198	8.642
VP-104-50_20160211	339473	5.551	204364	8.629
VP-104-73_20160211	449334	5.563	270744	8.635
VP-104-73_20160211	301731	5.551	181147	8.629
FPM-20_5_2016211	442105	5.545	264899	8.629
FPM-20_9.4_2016211	448532	5.545	270169	8.629
FPM-20_9.4_2016211	297571	5.545	191520	8.630
VP-8_5_20160211	445576	5.545	272411	8.629
VP-8_5_20160211	300522	5.551	191485	8.635
VP-8_10_20160211	435487	5.551	263122	8.629
VP-8_10_20160211	346885	5.551	210044	8.630
VP-8_20_20160211	438003	5.551	259720	8.629
VP-8D_53.5_20160211	454060	5.606	232848	8.654
VP-8D_53.5_20160211	329885	5.551	199007	8.629
VP-8D_62.5_20160211	442896	5.593	253019	8.648
VP-8D_62.5_20160211	319190	5.557	194148	8.635
VP-8D_62.5_20160211DUP	450636	5.593	253334	8.648
VP-8D_62.5_20160211DUP	295325	5.551	178480	8.636
VP-8D_72.5_20160211	448998	5.587	263366	8.642
VP-8D_72.5_20160211	306003	5.557	183019	8.629

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/12/2016
Lab File ID (Standard): 07208.D Time Analyzed: 11:24
Instrument ID: 10AIRD Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	74741	4.535	40185	7.352
UPPER LIMIT	104637	5.035	56259	7.852
LOWER LIMIT	44845	4.035	24111	6.852
EPA SAMPLE NO.				
VP-104-5_20160211	86890	4.515	47101	7.342
VP-104-10_20160211	82895	4.522	46007	7.342
VP-104-62_20160211	64229	4.522	40459	7.346

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 404777 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07104.D

Lab Sample ID: 2209415

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 10:24

Instrument ID: 10AIR0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 404777 [AIR/	2209416	07103L.D	09:52
02	VP-8D_72.5_20160211	10338550017	07105.D	10:57
03	VP-8_5_20160211	10338550011	07106.D	11:41
04	VP-8D_53.5_20160211	10338550014	07107.D	12:12
05	VP-104-40_20160211	10338550005	07108.D	12:43
06	FPM-20_5_2016211	10338550009	07110.D	13:46
07	VP-104-50_20160211	10338550006	07113.D	15:24
08	VP-104-73_20160211	10338550008	07114.D	15:57
09	VP-8D_62.5_20160211	10338550015	07115.D	16:46
10	VP-104-30_20160211	10338550004	07116.D	17:19
11	VP-104-19_20160211	10338550003	07117.D	17:50
12	FPM-20_9.4_2016211	10338550010	07118.D	18:22
13	VP-8_10_20160211	10338550012	07119.D	18:53
14	VP-8D_62.5_20160211DU	10338550016	07120.D	19:25
15	VP-8_20_20160211	10338550013	07121.D	19:56

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 404777 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07410_25432.D

Lab Sample ID: 2209415

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 13:10

Instrument ID: 10AIRB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 404777 [AIR/	2209416	07402_25432.D	08:45
02	VP-8_20_20160211	10338550013	07419.D	17:52
03	FPM-20_5_2016211	10338550009	07420.D	18:25
04	VP-8D_53.5_20160211	10338550014	07421.D	18:57
05	VP-8_10_20160211	10338550012	07422.D	19:30
06	VP-104-19_20160211	10338550003	07423.D	20:02
07	VP-104-50_20160211	10338550006	07424.D	20:33
08	VP-104-40_20160211	10338550005	07425.D	21:05
09	VP-8D_62.5_20160211DU	10338550016	07426.D	21:37
10	FPM-20_9.4_2016211	10338550010	07427.D	22:09
11	VP-8D_72.5_20160211	10338550017	07428.D	22:41
12	VP-8_5_20160211	10338550011	07429.D	23:13
13	VP-104-73_20160211	10338550008	07430.D	23:45
14	VP-8D_62.5_20160211	10338550015	07431.D	00:17
15	VP-104-30_20160211	10338550004	07432.D	00:49

QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

QC Batch:	AIR/25432	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10338550003, 10338550004, 10338550005, 10338550006, 10338550008, 10338550009, 10338550010, 10338550011, 10338550012, 10338550013, 10338550014, 10338550015, 10338550016, 10338550017		

METHOD BLANK: 2209415

Matrix: Air

Associated Lab Samples: 10338550003, 10338550004, 10338550005, 10338550006, 10338550008, 10338550009, 10338550010, 10338550011, 10338550012, 10338550013, 10338550014, 10338550015, 10338550016, 10338550017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/14/16 13:10	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/14/16 13:10	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/14/16 13:10	
1,1-Dichloroethane	ug/m3	ND	0.82	03/14/16 13:10	
1,1-Dichloroethene	ug/m3	ND	0.81	03/14/16 13:10	
1,1-Difluoroethane	ug/m3	ND	1.4	03/11/16 10:24	SS
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	03/14/16 13:10	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/14/16 13:10	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/11/16 10:24	SS
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/14/16 13:10	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/14/16 13:10	
1,2-Dichloroethane	ug/m3	ND	0.41	03/14/16 13:10	
1,2-Dichloropropane	ug/m3	ND	0.94	03/14/16 13:10	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/14/16 13:10	
1,3-Butadiene	ug/m3	ND	0.45	03/14/16 13:10	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/14/16 13:10	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/14/16 13:10	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/14/16 13:10	
2-Butanone (MEK)	ug/m3	ND	3.0	03/14/16 13:10	
2-Hexanone	ug/m3	ND	4.2	03/14/16 13:10	
2-Propanol	ug/m3	ND	2.5	03/14/16 13:10	
4-Ethyltoluene	ug/m3	ND	1.0	03/14/16 13:10	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/14/16 13:10	
Acetone	ug/m3	ND	2.4	03/14/16 13:10	
Allyl chloride	ug/m3	ND	1.6	03/14/16 13:10	
Benzene	ug/m3	ND	0.65	03/14/16 13:10	
Bromodichloromethane	ug/m3	ND	1.4	03/14/16 13:10	
Bromoform	ug/m3	ND	2.1	03/14/16 13:10	
Bromomethane	ug/m3	ND	0.79	03/14/16 13:10	
Carbon disulfide	ug/m3	ND	0.63	03/14/16 13:10	
Carbon tetrachloride	ug/m3	ND	0.64	03/14/16 13:10	
Chlorobenzene	ug/m3	ND	0.94	03/14/16 13:10	
Chlorodifluoromethane	ug/m3	ND	0.72	03/14/16 13:10	
Chloroethane	ug/m3	ND	0.54	03/14/16 13:10	
Chloroform	ug/m3	ND	0.99	03/14/16 13:10	
Chloromethane	ug/m3	ND	0.42	03/14/16 13:10	
Chloropentafluoroethane	ug/m3	ND	3.2	03/11/16 10:24	CL,IC,L2,SS
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/14/16 13:10	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/14/16 13:10	
Cyclohexane	ug/m3	ND	0.70	03/14/16 13:10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck

PACE Project No.: 10338550

METHOD BLANK: 2209415

Matrix: Air

Associated Lab Samples: 10338550003, 10338550004, 10338550005, 10338550006, 10338550008, 10338550009, 10338550010, 10338550011, 10338550012, 10338550013, 10338550014, 10338550015, 10338550016, 10338550017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/m3	ND	1.7	03/14/16 13:10	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/14/16 13:10	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/14/16 13:10	
Ethylbenzene	ug/m3	ND	0.88	03/14/16 13:10	
Freon 123	ug/m3	ND	3.2	03/11/16 10:24	SS
Hexachloro-1,3-butadiene	ug/m3	ND	10.8	03/14/16 13:10	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/14/16 13:10	
m&p-Xylene	ug/m3	ND	1.8	03/14/16 13:10	
Methyl acetate	ug/m3	ND	1.5	03/11/16 10:24	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/14/16 13:10	
Methylcyclohexane	ug/m3	ND	0.82	03/14/16 13:10	
Methylene Chloride	ug/m3	ND	3.5	03/14/16 13:10	
n-Hexane	ug/m3	ND	0.72	03/14/16 13:10	
o-Xylene	ug/m3	ND	0.88	03/14/16 13:10	
Styrene	ug/m3	ND	0.87	03/14/16 13:10	
Tetrachloroethene	ug/m3	ND	0.69	03/14/16 13:10	
Toluene	ug/m3	ND	0.77	03/14/16 13:10	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/14/16 13:10	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/14/16 13:10	
Trichloroethene	ug/m3	ND	0.55	03/14/16 13:10	
Trichlorofluoromethane	ug/m3	ND	1.1	03/14/16 13:10	
Vinyl chloride	ug/m3	ND	0.26	03/14/16 13:10	

LABORATORY CONTROL SAMPLE: 2209416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	56.9	102	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	78.3	112	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	56.8	102	57-149	
1,1-Dichloroethane	ug/m3	41.2	42.0	102	62-139	
1,1-Dichloroethene	ug/m3	40.3	40.2	100	62-135	
1,1-Difluoroethane	ug/m3	2.7	2.8	101	50-150	SS
1,2,4-Trichlorobenzene	ug/m3	75.5	67.9	90	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	58.8	118	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	9.8	10.5	106	50-150	SS
1,2-Dibromoethane (EDB)	ug/m3	78.1	85.0	109	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	71.9	118	57-141	
1,2-Dichloroethane	ug/m3	41.2	41.0	100	61-144	
1,2-Dichloropropane	ug/m3	47	47.2	100	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	59.0	118	54-147	
1,3-Butadiene	ug/m3	22.5	22.5	100	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	73.5	120	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	71.1	116	57-143	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

LABORATORY CONTROL SAMPLE: 2209416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	39.7	108	58-144	
2-Butanone (MEK)	ug/m3	150	151	101	66-144	
2-Hexanone	ug/m3	208	211	102	63-147	
2-Propanol	ug/m3	125	122	98	54-146	
4-Ethyltoluene	ug/m3	50	60.0	120	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	208	199	95	58-150	
Acetone	ug/m3	121	108	90	46-140	
Allyl chloride	ug/m3	79.6	80.8	101	65-142	
Benzene	ug/m3	32.5	31.3	96	62-141	
Bromodichloromethane	ug/m3	68.2	72.3	106	58-149	
Bromoform	ug/m3	105	131	125	61-150	
Bromomethane	ug/m3	39.5	39.3	100	58-136	
Carbon disulfide	ug/m3	31.7	31.4	99	59-135	
Carbon tetrachloride	ug/m3	64	67.3	105	60-149	
Chlorobenzene	ug/m3	46.8	49.0	105	60-150	
Chlorodifluoromethane	ug/m3	36	36.2	101	70-130	
Chloroethane	ug/m3	26.8	28.1	105	61-136	
Chloroform	ug/m3	49.7	48.6	98	65-138	
Chloromethane	ug/m3	21	20.9	99	62-133	
Chloropentafluoroethane	ug/m3	6.4	ND	43	50-150	CL,IC,L2,SS
cis-1,2-Dichloroethene	ug/m3	40.3	40.5	101	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	48.6	105	61-149	
Cyclohexane	ug/m3	35	35.5	101	64-134	
Dibromochloromethane	ug/m3	86.6	99.1	114	59-150	
Dichlorodifluoromethane	ug/m3	50.3	50.1	100	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	71.2	100	62-134	
Ethylbenzene	ug/m3	44.2	49.6	112	59-149	
Freon 123	ug/m3	6.4	6.0	94	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	120	110	42-150	
Isopropylbenzene (Cumene)	ug/m3	50	55.3	111	65-150	
m&p-Xylene	ug/m3	88.3	96.5	109	59-146	
Methyl acetate	ug/m3	3.1	2.9	94	50-150	
Methyl-tert-butyl ether	ug/m3	183	181	99	64-135	
Methylcyclohexane	ug/m3	40.8	43.0	105	70-130	
Methylene Chloride	ug/m3	177	170	96	64-128	
n-Hexane	ug/m3	35.8	43.1	120	50-138	
o-Xylene	ug/m3	44.2	48.0	109	54-149	
Styrene	ug/m3	43.3	49.8	115	54-150	
Tetrachloroethene	ug/m3	69	70.3	102	60-142	
Toluene	ug/m3	38.3	37.7	98	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	40.1	99	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	52.7	114	59-145	
Trichloroethene	ug/m3	54.6	54.4	100	60-144	
Trichlorofluoromethane	ug/m3	57.1	56.3	98	59-134	
Vinyl chloride	ug/m3	26	26.3	101	63-135	

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REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 404752 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07104LL.D

Lab Sample ID: 2209296

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 10:24

Instrument ID: 10AIR0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 404752 [AIR/	2209297	07103LL.D	09:52
02	VP-104-62_20160211	10338550007	07109.D	13:14
03	VP-104-10_20160211	10338550002	07111.D	14:21
04	VP-104-5_20160211	10338550001	07112.D	14:52

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 404752 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07118LL.D

Lab Sample ID: 2209296

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 17:04

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 404752 [AIR/	2209297	07115LL.D	15:49
02	VP-104-5_20160211	10338550001	07141.D	03:05
03	VP-104-62_20160211	10338550007	07142.D	03:32
04	VP-104-10_20160211	10338550002	07143.D	03:59

QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

QC Batch: AIR/25431

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10338550001, 10338550002, 10338550007

METHOD BLANK: 2209296

Matrix: Air

Associated Lab Samples: 10338550001, 10338550002, 10338550007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/11/16 17:04	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/11/16 17:04	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/11/16 17:04	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/11/16 17:04	
1,1-Dichloroethane	ug/m3	ND	0.82	03/11/16 17:04	
1,1-Dichloroethene	ug/m3	ND	0.81	03/11/16 17:04	
1,1-Difluoroethane	ug/m3	ND	1.4	03/11/16 17:04	SS
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	03/11/16 17:04	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/11/16 17:04	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/11/16 17:04	SS
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/11/16 17:04	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/11/16 17:04	
1,2-Dichloroethane	ug/m3	ND	0.41	03/11/16 17:04	
1,2-Dichloropropane	ug/m3	ND	0.94	03/11/16 17:04	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/11/16 17:04	
1,3-Butadiene	ug/m3	ND	0.45	03/11/16 17:04	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/11/16 17:04	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/11/16 17:04	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/11/16 17:04	
2-Butanone (MEK)	ug/m3	ND	3.0	03/11/16 17:04	
2-Hexanone	ug/m3	ND	4.2	03/11/16 17:04	
2-Propanol	ug/m3	ND	2.5	03/11/16 17:04	
4-Ethyltoluene	ug/m3	ND	1.0	03/11/16 17:04	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/11/16 17:04	
Acetone	ug/m3	ND	2.4	03/11/16 17:04	
Allyl chloride	ug/m3	ND	1.6	03/11/16 17:04	
Benzene	ug/m3	ND	0.32	03/11/16 17:04	
Bromodichloromethane	ug/m3	ND	1.4	03/11/16 17:04	
Bromoform	ug/m3	ND	2.1	03/11/16 17:04	
Bromomethane	ug/m3	ND	0.79	03/11/16 17:04	
Carbon disulfide	ug/m3	ND	0.63	03/11/16 17:04	
Carbon tetrachloride	ug/m3	ND	0.64	03/11/16 17:04	
Chlorobenzene	ug/m3	ND	0.94	03/11/16 17:04	
Chlorodifluoromethane	ug/m3	ND	0.72	03/11/16 17:04	
Chloroethane	ug/m3	ND	0.54	03/11/16 17:04	
Chloroform	ug/m3	ND	0.50	03/11/16 17:04	
Chloromethane	ug/m3	ND	0.42	03/11/16 17:04	
Chloropentafluoroethane	ug/m3	ND	3.2	03/11/16 17:04	CL,IC,L2,SS
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/11/16 17:04	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/11/16 17:04	
Cyclohexane	ug/m3	ND	0.70	03/11/16 17:04	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

METHOD BLANK: 2209296

Matrix: Air

Associated Lab Samples: 10338550001, 10338550002, 10338550007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/m3	ND	1.7	03/11/16 17:04	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/11/16 17:04	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/11/16 17:04	
Ethylbenzene	ug/m3	ND	0.88	03/11/16 17:04	
Freon 123	ug/m3	ND	3.2	03/11/16 17:04	SS
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	03/11/16 17:04	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/11/16 17:04	
m&p-Xylene	ug/m3	ND	1.8	03/11/16 17:04	
Methyl acetate	ug/m3	ND	1.5	03/11/16 17:04	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/11/16 17:04	
Methylcyclohexane	ug/m3	ND	0.82	03/11/16 17:04	
Methylene Chloride	ug/m3	ND	3.5	03/11/16 17:04	
n-Hexane	ug/m3	ND	0.72	03/11/16 17:04	
o-Xylene	ug/m3	ND	0.88	03/11/16 17:04	
Styrene	ug/m3	ND	0.87	03/11/16 17:04	
Tetrachloroethene	ug/m3	ND	0.69	03/11/16 17:04	
Toluene	ug/m3	ND	0.77	03/11/16 17:04	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/11/16 17:04	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/11/16 17:04	
Trichloroethene	ug/m3	ND	1.1	03/11/16 17:04	
Trichlorofluoromethane	ug/m3	ND	1.1	03/11/16 17:04	
Vinyl chloride	ug/m3	ND	0.26	03/11/16 17:04	

LABORATORY CONTROL SAMPLE: 2209297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.7	53.0	92	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	74	81.8	111	49-150	
1,1,2-Trichloroethane	ug/m3	58.8	55.2	94	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	83.7	102	66-131	
1,1-Dichloroethane	ug/m3	43.2	41.6	96	62-139	
1,1-Dichloroethene	ug/m3	42.3	41.8	99	62-135	
1,1-Difluoroethane	ug/m3	2.7	2.8	101	50-150	SS
1,2,4-Trichlorobenzene	ug/m3	73.9	69.3	94	55-146	
1,2,4-Trimethylbenzene	ug/m3	51.5	65.9	128	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	9.8	10.5	106	50-150	SS
1,2-Dibromoethane (EDB)	ug/m3	82.8	87.2	105	63-150	
1,2-Dichlorobenzene	ug/m3	62.9	79.0	125	57-141	
1,2-Dichloroethane	ug/m3	43.6	41.6	95	61-144	
1,2-Dichloropropane	ug/m3	50.2	46.6	93	63-144	
1,3,5-Trimethylbenzene	ug/m3	51.5	64.1	125	54-147	
1,3-Butadiene	ug/m3	23.2	22.6	97	61-140	
1,3-Dichlorobenzene	ug/m3	63.6	81.1	128	51-150	
1,4-Dichlorobenzene	ug/m3	61.7	74.5	121	57-143	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10338550

LABORATORY CONTROL SAMPLE: 2209297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/m3	38.5	42.2	110	58-144	
2-Butanone (MEK)	ug/m3	32.1	33.9	106	66-144	
2-Hexanone	ug/m3	45	58.7	130	63-147	
2-Propanol	ug/m3	25.7	27.3	106	54-146	
4-Ethyltoluene	ug/m3	49.5	63.6	128	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.7	53.7	123	58-150	
Acetone	ug/m3	24.9	27.8	112	46-140	
Allyl chloride	ug/m3	35	34.5	99	65-142	
Benzene	ug/m3	34.4	34.6	100	62-141	
Bromodichloromethane	ug/m3	71.5	74.0	104	58-149	
Bromoform	ug/m3	113	107	94	61-150	
Bromomethane	ug/m3	38.3	38.8	101	58-136	
Carbon disulfide	ug/m3	33.2	33.8	102	59-135	
Carbon tetrachloride	ug/m3	67.1	70.8	105	60-149	
Chlorobenzene	ug/m3	50.1	50.8	101	60-150	
Chlorodifluoromethane	ug/m3	37.4	34.5	92	70-130	
Chloroethane	ug/m3	26	26.4	101	61-136	
Chloroform	ug/m3	51.6	51.0	99	65-138	
Chloromethane	ug/m3	21	20.5	98	62-133	
Chloropentafluoroethane	ug/m3	6.4	ND	43	50-150	CL,IC,L2,SS
cis-1,2-Dichloroethene	ug/m3	43.5	41.5	95	65-139	
cis-1,3-Dichloropropene	ug/m3	51.7	50.8	98	61-149	
Cyclohexane	ug/m3	36.7	37.2	101	64-134	
Dibromochloromethane	ug/m3	97	100	103	59-150	
Dichlorodifluoromethane	ug/m3	50.3	48.9	97	63-134	
Dichlorotetrafluoroethane	ug/m3	69.6	70.0	101	62-134	
Ethylbenzene	ug/m3	47.2	50.5	107	59-149	
Freon 123	ug/m3	6.4	6.0	94	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	138	127	42-150	
Isopropylbenzene (Cumene)	ug/m3	51	57.5	113	65-150	
m&p-Xylene	ug/m3	47.7	53.7	113	59-146	
Methyl acetate	ug/m3	3.1	2.9	94	50-150	
Methyl-tert-butyl ether	ug/m3	38.5	42.4	110	64-135	
Methylcyclohexane	ug/m3	42.9	45.1	105	70-130	
Methylene Chloride	ug/m3	38.8	40.2	104	64-128	
n-Hexane	ug/m3	37.6	32.6	87	50-138	
o-Xylene	ug/m3	46.8	51.3	110	54-149	
Styrene	ug/m3	45.5	52.6	116	54-150	
Tetrachloroethene	ug/m3	72.4	74.4	103	60-142	
Toluene	ug/m3	41	35.6	87	61-138	
trans-1,2-Dichloroethene	ug/m3	41.1	41.8	102	67-137	
trans-1,3-Dichloropropene	ug/m3	51.7	50.6	98	59-145	
Trichloroethene	ug/m3	57.4	54.9	96	60-144	
Trichlorofluoromethane	ug/m3	58.2	54.9	94	59-134	
Vinyl chloride	ug/m3	26.5	26.5	100	63-135	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 404591 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07118L.D

Lab Sample ID: 2208345

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 17:04

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 404591 [AIR/	2208346	07115L.D	15:49
02	VP-104-5_20160211	10338550001	07413.D	15:03

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 06801BFB.D

BFB Injection Date: 03/08/2016

Instrument ID: 10AIR0

BFB Injection Time: 10:05

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.50
75	30.00 - 66.00% of mass 95	44.43
96	5.00 - 9.00% of mass 95	5.84
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	93.73
175	4.00 - 9.00% of mass 174	6.16 (6.58)
176	93.00 - 101.00% of mass 174	90.80 (96.88)
177	5.00 - 9.00% of mass 176	6.37 (7.01)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	06803.D	03/08/2016	11:01
2	CAL2	CAL2	06804.D	03/08/2016	11:29
3	CAL3	CAL3	06805.D	03/08/2016	11:58
4	CAL4	CAL4	06806.D	03/08/2016	12:27
5	CAL5	CAL5	06807.D	03/08/2016	13:01
6	CAL6	CAL6	06808.D	03/08/2016	14:04
7	ICV (LCS)	ICV	06810.D	03/08/2016	15:33

Report Date : 15-Mar-2016 12:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-MAR-2016 10:34
End Cal Date : 08-MAR-2016 14:04
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air0.i\030816.b\T015cust_068-16.m
Last Edit : 15-Mar-2016 12:14 10air0.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air0.i\030816.b\06803.D
Level 02: all \\192.168.10.12\chem\10air0.i\030816.b\06804.D
Level 03: all \\192.168.10.12\chem\10air0.i\030816.b\06805.D
Level 04: all \\192.168.10.12\chem\10air0.i\030816.b\06806.D
Level 05: all \\192.168.10.12\chem\10air0.i\030816.b\06807.D
Level 06: all \\192.168.10.12\chem\10air0.i\030816.b\06808.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	2.0000	3.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
1 Chloropentafluoroethane	0.14332	0.10387	0.05406	0.03253	0.01804	0.01274	AVRG		0.06076		85.98079
2 1,1-Difluoroethane	0.37210	0.32958	0.30842	0.28801	0.27093	0.27702	AVRG		0.30768		12.42618
3 Freon 123	0.57671	0.57669	0.54934	0.52370	0.48328	0.44219	AVRG		0.52532		10.26389
4 Methyl Acetate	0.42921	0.40194	0.40185	0.36303	0.35329	0.34437	AVRG		0.38228		8.76974
10 1,2-Dibromo-3-chloropropane	1622	6295	34098	103195	293224	421047	QUAD	-0.00478	0.29254	0.09509	0.99552
\$ 5 Hexane-d14 (S)	++++	++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
\$ 7 Toluene-d8 (S)	++++	++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07101BFB.D

BFB Injection Date: 03/11/2016

Instrument ID: 10AIR0

BFB Injection Time: 08:51

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	13.96
75	30.00 - 66.00% of mass 95	44.74
96	5.00 - 9.00% of mass 95	6.38
173	Less than 2.00% of mass 174	0.22 (0.22)
174	50.00 - 120.00% of mass 95	98.28
175	4.00 - 9.00% of mass 174	7.15 (7.27)
176	93.00 - 101.00% of mass 174	97.47 (99.18)
177	5.00 - 9.00% of mass 176	6.09 (6.24)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07103.D	03/11/2016	09:52
2	LCS for HBN 404777 [AIR/	2209416	07103L.D	03/11/2016	09:52
3	LCS for HBN 404752 [AIR/	2209297	07103LL.D	03/11/2016	09:52
4	BLANK for HBN 404752 [AI	2209296	07104LL.D	03/11/2016	10:24
5	BLANK for HBN 404777 [AI	2209415	07104.D	03/11/2016	10:24
6	VP-8D_72.5_20160211	10338550017	07105.D	03/11/2016	10:57
7	VP-8_5_20160211	10338550011	07106.D	03/11/2016	11:41
8	VP-8D_53.5_20160211	10338550014	07107.D	03/11/2016	12:12
9	VP-104-40_20160211	10338550005	07108.D	03/11/2016	12:43
10	VP-104-62_20160211	10338550007	07109.D	03/11/2016	13:14
11	FPM-20_5_2016211	10338550009	07110.D	03/11/2016	13:46
12	VP-104-10_20160211	10338550002	07111.D	03/11/2016	14:21
13	VP-104-5_20160211	10338550001	07112.D	03/11/2016	14:52
14	VP-104-50_20160211	10338550006	07113.D	03/11/2016	15:24
15	VP-104-73_20160211	10338550008	07114.D	03/11/2016	15:57
16	VP-8D_62.5_20160211	10338550015	07115.D	03/11/2016	16:46
17	VP-104-30_20160211	10338550004	07116.D	03/11/2016	17:19
18	VP-104-19_20160211	10338550003	07117.D	03/11/2016	17:50
19	FPM-20_9.4_2016211	10338550010	07118.D	03/11/2016	18:22
20	VP-8_10_20160211	10338550012	07119.D	03/11/2016	18:53
21	VP-8D_62.5_20160211DU	10338550016	07120.D	03/11/2016	19:25
22	VP-8_20_20160211	10338550013	07121.D	03/11/2016	19:56

Data File: \\192.168.10.12\chem\10air0.i\031116.b\07103.D
Report Date: 15-Mar-2016 12:24

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air0.i Injection Date: 11-MAR-2016 09:52
Lab File ID: 07103.D Init. Cal. Date(s): 02-MAR-2016 08-MAR-2016
Analysis Type: AIR Init. Cal. Times: 10:34 14:04
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air0.i\031116.b\TO15cust_068-16.m

COMPOUND	RRF / AMOUNT	RF1	CCAL RRF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chloropentafluoroethane	0.06076	0.02633	0.02633	0.010	-56.66622	30.00000	Aver	<-
2 1,1-Difluoroethane	0.30768	0.31025	0.31025	0.010	0.83585	30.00000	Aver	
3 Freon 123	0.52532	0.49429	0.49429	0.010	-5.90694	30.00000	Aver	(M)
4 Methyl Acetate	0.38228	0.35982	0.35982	0.010	-5.87433	30.00000	Aver	
\$ 5 Hexane-d14 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 7 Toluene-d8 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
10 1,2-Dibromo-3-chloropropane	1.00000	1.06363	0.27407	0.010	6.36330	30.00000	Quad	

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	15.12933
Maximun Average %D/Drift =	30.00000
* Passed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07101BFB.D

BFB Injection Date: 03/11/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:11

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	23.08
75	30.00 - 66.00% of mass 95	43.28
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.51 (0.59)
174	50.00 - 120.00% of mass 95	87.18
175	4.00 - 9.00% of mass 174	6.87 (7.88)
176	93.00 - 101.00% of mass 174	84.27 (96.66)
177	5.00 - 9.00% of mass 176	5.65 (6.70)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07106.D	03/11/2016	11:41
2	CAL2	CAL2	07107.D	03/11/2016	12:04
3	CAL3	CAL3	07108.D	03/11/2016	12:27
4	CAL4	CAL4	07109.D	03/11/2016	12:52
5	CAL5	CAL5	07110.D	03/11/2016	13:14
6	CAL6	CAL6	07111.D	03/11/2016	13:38
7	CAL7	CAL7	07112.D	03/11/2016	14:03
8	LCS for HBN 404752 [AIR/	2209297	07115LL.D	03/11/2016	15:49
9	LCS for HBN 404591 [AIR/	2208346	07115L.D	03/11/2016	15:49
10	ICV (LCS)	ICV	07115.D	03/11/2016	15:49
11	BLANK for HBN 404752 [AI	2209296	07118LL.D	03/11/2016	17:04
12	BLANK for HBN 404591 [AI	2208345	07118L.D	03/11/2016	17:04
13	IC	IC	07118.D	03/11/2016	17:04
14	6899-Ambient-MF(2201450	2209298-DUP	07133.D	03/11/2016	23:30
15	VP-104-5_20160211	10338550001	07141.D	03/12/2016	03:05
16	VP-104-62_20160211	10338550007	07142.D	03/12/2016	03:32
17	VP-104-10_20160211	10338550002	07143.D	03/12/2016	03:59

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\031116.b\07106.D
Level 02: all \\192.168.10.12\chem\10air7.i\031116.b\07107.D
Level 03: all \\192.168.10.12\chem\10air7.i\031116.b\07108.D
Level 04: all \\192.168.10.12\chem\10air7.i\031116.b\07109.D
Level 05: all \\192.168.10.12\chem\10air7.i\031116.b\07110.D
Level 06: all \\192.168.10.12\chem\10air7.i\031116.b\07111.D
Level 07: all \\192.168.10.12\chem\10air7.i\031116.b\07112.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.23209	0.19192	0.17193	0.18281	0.18966	0.18862					
	0.19455						AVRG		0.19308		9.71157
2 Propylene	0.10066	0.08893	0.07550	0.07911	0.08465	0.08423					
	0.08707						AVRG		0.08574		9.36597
3 Dichlorodifluoromethane	0.19472	0.21195	0.20092	0.21258	0.20736	0.21181					
	0.21973						AVRG		0.20844		3.98609
4 Dichlorotetrafluoroethane	0.21166	0.22454	0.20545	0.20908	0.22027	0.22027					
	0.22508						AVRG		0.21662		3.61171

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.14858 0.13624	0.13703	0.12913	0.12945	0.14165	0.13700	AVRG		0.13701	4.94352
6 Vinyl chloride	0.09342 0.09647	0.08942	0.08512	0.08655	0.09185	0.09148	AVRG		0.09062	4.33405
7 1,3-Butadiene	0.07153 0.07547	0.07751	0.06648	0.06985	0.07537	0.07283	AVRG		0.07272	5.21342
8 Bromomethane	0.08742 0.09156	0.08816	0.08092	0.08351	0.08880	0.08745	AVRG		0.08683	4.06376
9 Chloroethane	0.04138 0.03968	0.03978	0.03544	0.03700	0.03862	0.03828	AVRG		0.03860	5.06650
10 Ethanol	0.05385 0.04189	0.04690	0.03794	0.03933	0.04360	0.03832	AVRG		0.04312	13.23822
11 Vinyl Bromide	0.07780 0.07766	0.08215	0.07488	0.07728	0.08346	0.07920	AVRG		0.07892	3.76623

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
12 Isopentane	0.13949 0.09974	0.13547	0.11165	0.12371	0.11849	0.10437	AVRG		0.11899	12.61822
13 Acrolein	0.02637 0.03827	0.03041	0.03384	0.03536	0.03806	0.03779	AVRG		0.03430	13.11799
14 Trichlorofluoromethane	0.23147 0.22754	0.23153	0.21769	0.22018	0.23757	0.22567	AVRG		0.22738	3.03879
15 Acetone	0.24900 0.12001	0.22153	0.20142	0.20527	0.15330	0.13426	AVRG		0.18354	26.22295
16 Isopropyl Alcohol	0.21206 0.15686	0.21321	0.18507	0.18981	0.18622	0.15735	AVRG		0.18580	12.24282
17 Acrylonitrile	0.04885 0.07501	0.07612	0.07293	0.07635	0.08308	0.07518	AVRG		0.07250	15.03263
18 1,1-Dichloroethene	0.14522 0.15311	0.14375	0.14405	0.14862	0.15726	0.15020	AVRG		0.14889	3.39025

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.21677	0.22407	0.18888	0.18919	0.19210	0.15605				
	0.14918						AVRG		0.18803	14.84425
20 Freon 113	0.16060	0.16987	0.15829	0.16325	0.16906	0.15482				
	0.15212						AVRG		0.16115	4.18683
21 Methylene chloride	0.18203	0.15846	0.15291	0.15505	0.14093	0.10915				
	0.09555						AVRG		0.14201	21.12692
22 Allyl Chloride	0.02694	0.02723	0.02801	0.03036	0.03273	0.03056				
	0.02990						AVRG		0.02939	7.12215
23 Carbon Disulfide	0.19215	0.20488	0.19246	0.19957	0.22111	0.21668				
	0.22175						AVRG		0.20694	6.24406
24 trans-1,2-dichloroethene	0.06517	0.07869	0.06869	0.07197	0.07860	0.07532				
	0.07596						AVRG		0.07348	6.96669
25 Methyl Tert Butyl Ether	0.14038	0.18157	0.17300	0.18053	0.18175	0.15508				
	0.13990						AVRG		0.16460	11.61682

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.23587 0.32116	0.26137	0.29344	0.31389	0.32697	0.31922	AVRG		0.29599	11.76297
27 1,1-Dichloroethane	0.14554 0.17270	0.14842	0.15587	0.16033	0.16582	0.16586	AVRG		0.15922	6.20509
29 Methyl Ethyl Ketone	0.02685 0.03114	0.02936	0.02753	0.02976	0.03151	0.03053	AVRG		0.02953	5.99178
30 n-Hexane	0.17771 0.13563	0.15888	0.15167	0.14230	0.14319	0.13330	AVRG		0.14895	10.37349
31 Di-isopropyl Ether	0.32573 0.17253	0.40371	0.36081	0.38725	0.29031	0.20372	AVRG		0.30630	29.22109
32 Ethyl Acetate	0.19483 0.23842	0.24768	0.21720	0.23264	0.25095	0.23897	AVRG		0.23153	8.44544
33 cis-1,2-Dichloroethene	0.06970 0.08577	0.06877	0.07257	0.07662	0.08106	0.08146	AVRG		0.07656	8.47813

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.22885	0.29060	0.25436	0.27561	0.24663	0.19938				
	0.17083						AVRG		0.23804	17.66611
35 Chloroform	0.13690	0.15326	0.17492	0.17991	0.17745	0.17200				
	0.16705						AVRG		0.16593	9.36907
36 Tetrahydrofuran	0.10764	0.12192	0.10406	0.11448	0.11270	0.12394				
	0.12873						AVRG		0.11621	7.74084
37 1,1,1-Trichloroethane	0.18611	0.16263	0.16606	0.17155	0.18409	0.18603				
	0.19458						AVRG		0.17872	6.69602
38 1,2-Dichloroethane	0.11114	0.11537	0.13020	0.14122	0.14548	0.14860				
	0.15418						AVRG		0.13517	12.37338
39 Benzene	0.17491	0.17964	0.19218	0.20642	0.22161	0.22991				
	0.23974						AVRG		0.20634	12.20485
40 Carbon tetrachloride	0.11565	0.14055	0.15510	0.16565	0.19979	0.21273				
	0.22622						AVRG		0.17367	23.31992

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
41 Cyclohexane	0.10579 0.14752	0.11809	0.12693	0.12683	0.14236	0.14352	AVRG		0.13015		11.69518
42 Tert Amyl Methyl Ether	87620 10202437	140969	261109	473409	4270031	7864682	QUAD	0.00810	0.21681	-0.00373	0.99995
44 2,2,4-Trimethylpentane	0.29627 0.34678	0.34262	0.38057	0.39778	0.41487	0.37969	AVRG		0.36551		10.92874
45 Heptane	0.13184 0.21183	0.14836	0.16650	0.17989	0.18703	0.20083	AVRG		0.17518		16.20664
46 1,2-Dichloropropane	++++ 0.11857	0.08707	0.09021	0.09550	0.10320	0.11270	AVRG		0.10121		12.42622
47 Trichloroethene	11630 1622480	6693	20223	38936	434836	1034167	QUAD	0.00008	0.09290	0.01194	0.99991
48 1,4-Dioxane	++++ 0.05164	0.02764	0.03346	0.03752	0.04824	0.04438	AVRG		0.04048		22.72023

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.11007 0.22116	0.14166	0.15442	0.16395	0.18317	0.20762	AVRG		0.16886	22.77026
50 Methylcyclohexane	0.02931 0.05569	0.03498	0.03623	0.03864	0.04395	0.05037	AVRG		0.04131	22.37996
51 Methyl Isobutyl Ketone	0.23564 0.17967	0.28268	0.25221	0.25417	0.25741	0.20387	AVRG		0.23795	14.76860
52 cis-1,3-Dichloropropene	0.06670 0.15411	0.09697	0.09575	0.10611	0.12335	0.14202	AVRG		0.11214	26.70242
53 trans-1,3-Dichloropropene	0.06315 0.14188	0.07988	0.08123	0.08389	0.11210	0.12765	AVRG		0.09854	29.36598
55 Toluene	0.34287 0.28105	0.20965	0.20635	0.23109	0.24370	0.26954	AVRG		0.25489	18.76897
56 1,1,2-Trichloroethane	0.08893 0.11790	0.08802	0.08454	0.08512	0.09834	0.11081	AVRG		0.09624	13.85923

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	0.34441	0.41597	0.38172	0.37412	0.41812	0.31105				
	0.25687						AVRG		0.35747	16.31604
58 Dibromochloromethane	0.18161	0.23788	0.22421	0.25614	0.31801	0.33488				
	0.34469						AVRG		0.27106	22.94965
59 1,2-Dibromoethane	0.18816	0.21955	0.20442	0.21625	0.27587	0.27946				
	0.28431						AVRG		0.23829	16.89229
60 Tetrachloroethene	0.16795	0.18573	0.17943	0.19408	0.21419	0.22441				
	0.23051						AVRG		0.19947	11.96111
62 Chlorobenzene	0.24198	0.30219	0.26280	0.28013	0.32753	0.32528				
	0.32994						AVRG		0.29569	11.80715
63 Ethyl Benzene	0.39999	0.46592	0.38697	0.41248	0.53697	0.50846				
	0.51379						AVRG		0.46066	13.26117
64 m&p-Xylene	0.30321	0.33599	0.30289	0.32529	0.42524	0.38914				
	0.37335						AVRG		0.35073	13.24620

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	4702 2832776	9673	23282	48137	782076	1757075	QUAD	-0.00432	0.29796	0.00544	0.99972
66 Styrene	0.19365 0.29817	0.23619	0.21395	0.20764	0.30855	0.29431	AVRG		0.25035		19.41255
67 o-Xylene	0.32025 0.40161	0.36267	0.31154	0.31529	0.42311	0.39300	AVRG		0.36107		12.75638
68 1,1,2,2-Tetrachloroethane	0.29029 0.32596	0.30477	0.26389	0.25890	0.37790	0.32597	AVRG		0.30681		13.44052
69 Isopropylbenzene	0.57008 0.52231	0.56592	0.47888	0.47937	0.63389	0.53789	AVRG		0.54119		10.15191
70 N-Propylbenzene	0.48316 0.62206	0.53866	0.46259	0.49054	0.71822	0.63073	AVRG		0.56371		16.90152
71 4-Ethyltoluene	0.31734 0.49959	0.37576	0.35321	0.36429	0.56173	0.50020	AVRG		0.42459		22.08660

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
72 1,3,5-Trimethylbenzene	0.31745 0.41116	0.32121	0.29364	0.30955	0.46843	0.41330	AVRG		0.36211	18.67895
73 Tert-Butyl Benzene	0.29710 0.44925	0.33418	0.29412	0.30898	0.48895	0.44868	AVRG		0.37447	22.49112
74 1,2,4-Trimethylbenzene	0.28498 0.41909	0.29308	0.27299	0.29744	0.46477	0.41929	AVRG		0.35024	22.99147
75 1,3-Dichlorobenzene	0.18367 0.30439	0.20317	0.17911	0.18916	0.31974	0.29830	AVRG		0.23965	26.78600
76 Sec- Butylbenzene	0.42422 0.57889	0.44339	0.42942	0.42240	0.67449	0.59596	AVRG		0.50982	20.43951
78 Benzyl Chloride	6181 3127862	9675	21812	46595	936423	1991558	LINR	-0.00404	0.34866	0.99916
79 1,4-Dichlorobenzene	0.22144 0.29612	0.22338	0.20326	0.20073	0.31165	0.28743	AVRG		0.24914	19.01099

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-MAR-2016 11:41
End Cal Date : 11-MAR-2016 14:03
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit : 12-Mar-2016 12:12 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
80 p-Isopropyltoluene	0.31444	0.32046	0.31635	0.29012	0.53218	0.47279				
	0.47312						AVRG		0.38849	25.72022
81 1,2,3-Trimethylbenzene	0.25851	0.27707	0.26641	0.26441	0.44028	0.38737				
	0.38478						AVRG		0.32555	23.31705
82 1,2-Dichlorobenzene	0.16603	0.18839	0.16892	0.17106	0.28918	0.26138				
	0.26339						AVRG		0.21548	24.81392
83 N-Butylbenzene	0.25461	0.24544	0.26487	0.27314	0.47818	0.41815				
	0.40604						AVRG		0.33435	28.81424
84 1,2,4-Trichlorobenzene	773	1084	3300	6516	173372	410663				
	680677						LINR	-0.00324	0.07493	0.99843
85 Naphthalene	2617	2176	8446	13023	479261	916564				
	1417989						QUAD	-0.00441	0.18788	-0.01031
86 Hexachlorobutadiene	0.06505	0.05097	0.04803	0.04485	0.07202	0.06711				
	0.07400						AVRG		0.06029	19.97918

Report Date : 12-Mar-2016 12:18

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Start Cal Date   : 11-MAR-2016  11:41
End Cal Date     : 11-MAR-2016  14:03
Quant Method     : ISTD
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\192.168.10.12\chem\10air7.i\031116.b\TO15_071-16.m
Last Edit       : 12-MAR-2016  12:12 mlytle

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Compound (all.sb)	0.000000	0.200000	0.500000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14 (S)	0.45300	0.45298	0.46085	0.45218	0.44481	0.45048					
	0.47150						AVRG		0.45511		1.89566
\$ 54 Toluene-d8 (S)	0.83085	0.81612	0.84668	0.85001	0.82258	0.89192					
	0.94752						AVRG		0.85796		5.44667
\$ 77 1,4-dichlorobenzene-d4 (S)	0.56529	0.49350	0.50020	0.49574	0.57511	0.58543					
	0.59139						AVRG		0.54381		8.28525

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07301BFB.D

BFB Injection Date: 03/13/2016

Instrument ID: 10AIRB

BFB Injection Time: 09:18

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.39
75	30.00 - 66.00% of mass 95	45.06
96	5.00 - 9.00% of mass 95	6.44
173	Less than 2.00% of mass 174	0.57 (0.65)
174	50.00 - 120.00% of mass 95	87.97
175	4.00 - 9.00% of mass 174	6.40 (7.27)
176	93.00 - 101.00% of mass 174	85.71 (97.43)
177	5.00 - 9.00% of mass 176	5.48 (6.40)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07305.D	03/13/2016	12:28
2	CAL2	CAL2	07306.D	03/13/2016	12:56
3	CAL3	CAL3	07307.D	03/13/2016	13:24
4	CAL4	CAL4	07308.D	03/13/2016	13:53
5	CAL5	CAL5	07309.D	03/13/2016	14:21
6	CAL6	CAL6	07310.D	03/13/2016	14:50
7	CAL7	CAL7	07311.D	03/13/2016	15:19
8	ICV (LCS)	ICV	07313.D	03/13/2016	16:14
9	IC	IC	07316.D	03/13/2016	17:44

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10airB.i\031316.b\07305.D
Level 02: all \\192.168.10.12\chem\10airB.i\031316.b\07306.D
Level 03: all \\192.168.10.12\chem\10airB.i\031316.b\07307.D
Level 04: all \\192.168.10.12\chem\10airB.i\031316.b\07308.D
Level 05: all \\192.168.10.12\chem\10airB.i\031316.b\07309.D
Level 06: all \\192.168.10.12\chem\10airB.i\031316.b\07310.D
Level 07: all \\192.168.10.12\chem\10airB.i\031316.b\07311.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.42734	0.44261	0.39945	0.39532	0.38028	0.36645					
	0.37906						AVRG		0.39864		6.88884
2 Propylene	0.12916	0.14820	0.12315	0.12767	0.12363	0.12201					
	0.12402						AVRG		0.12826		7.13885
3 Dichlorodifluoromethane	0.94078	0.92841	0.88459	0.85838	0.82758	0.80820					
	0.81324						AVRG		0.86588		6.23567
4 Dichlorotetrafluoroethane	0.78877	0.83695	0.78183	0.75482	0.73107	0.71495					
	0.72654						AVRG		0.76213		5.67075

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.26868 0.22169	0.27028	0.26388	0.25350	0.23469	0.22026	AVRG		0.24757	8.79416
6 Vinyl chloride	0.24582 0.25502	0.24869	0.24051	0.23946	0.23205	0.24199	AVRG		0.24336	3.01730
7 1,3-Butadiene	0.13102 0.16391	0.18221	0.15860	0.15270	0.14822	0.15765	AVRG		0.15633	9.95746
8 Bromomethane	0.22696 0.26213	0.22794	0.23603	0.23043	0.22775	0.23016	AVRG		0.23448	5.35621
9 Chloroethane	0.07441 0.11238	0.07480	0.10213	0.09392	0.09602	0.09603	AVRG		0.09281	14.94556
10 Ethanol	0.05767 0.05429	0.05298	0.05325	0.04939	0.04873	0.04828	AVRG		0.05209	6.61457
11 Vinyl Bromide	0.23833 0.22298	0.24829	0.23569	0.22870	0.22327	0.21673	AVRG		0.23057	4.70592

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Pace Analytical Services, Inc.

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Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
12 Isopentane	0.13447	0.14834	0.13826	0.14059	0.14887	0.15081				
	0.17146						AVRG		0.14754	8.25617
13 Acrolein	0.06495	0.05922	0.06066	0.06584	0.06678	0.06715				
	0.07187						AVRG		0.06521	6.49578
14 Trichlorofluoromethane	0.63782	0.72291	0.65104	0.65040	0.63502	0.62315				
	0.63874						AVRG		0.65130	5.06387
15 Acetone	0.30886	0.27483	0.23414	0.22589	0.20706	0.20782				
	0.22207						AVRG		0.24010	15.79610
16 Isopropyl Alcohol	0.26618	0.26608	0.23383	0.22157	0.22853	0.23030				
	0.24353						AVRG		0.24143	7.49949
17 Acrylonitrile	0.13415	0.13188	0.12504	0.12678	0.12793	0.12661				
	0.13123						AVRG		0.12909	2.59299
18 1,1-Dichloroethene	0.29047	0.32180	0.29732	0.28468	0.29389	0.29879				
	0.30495						AVRG		0.29884	4.00994

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

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Target Version : 4.14
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Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.47368 0.39852	0.47744	0.43725	0.42241	0.41286	0.39546	AVRG		0.43109	7.77429
20 Freon 113	0.46481 0.43438	0.48876	0.47423	0.45708	0.44247	0.43372	AVRG		0.45649	4.58640
21 Methylene chloride	0.19055 0.16676	0.19099	0.17575	0.17098	0.16322	0.16098	AVRG		0.17418	7.07991
22 Allyl Chloride	0.08834 0.08415	0.08553	0.08221	0.08372	0.08722	0.08372	AVRG		0.08498	2.54700
23 Carbon Disulfide	0.59290 0.59865	0.54649	0.49819	0.49241	0.54063	0.55750	AVRG		0.54668	7.57442
24 trans-1,2-dichloroethene	0.28914 0.28621	0.31178	0.27692	0.26325	0.27505	0.27335	AVRG		0.28224	5.51803
25 Methyl Tert Butyl Ether	0.83203 0.62523	0.81609	0.74108	0.72871	0.69462	0.64407	AVRG		0.72598	10.88192

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

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Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.53045	0.53774	0.50359	0.50064	0.55584	0.55035				
	0.58090						AVRG		0.53707	5.34383
27 1,1-Dichloroethane	0.46375	0.49610	0.47826	0.46565	0.48198	0.48621				
	0.51866						AVRG		0.48437	3.89495
29 Methyl Ethyl Ketone	0.14223	0.13555	0.12481	0.12264	0.12999	0.12731				
	0.12677						AVRG		0.12990	5.25089
30 n-Hexane	0.52912	0.48651	0.44465	0.39733	0.42893	0.52111				
	0.51542						AVRG		0.47473	10.84253
31 Di-isopropyl Ether	0.81789	0.78149	0.70555	0.67843	0.55561	0.48831				
	0.48836						AVRG		0.64509	21.02590
32 Ethyl Acetate	0.47225	0.47437	0.45068	0.43418	0.44691	0.43392				
	0.44445						AVRG		0.45097	3.65673
33 cis-1,2-Dichloroethene	0.27639	0.31488	0.30898	0.29823	0.31334	0.32232				
	0.34673						AVRG		0.31155	6.91934

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Pace Analytical Services, Inc.

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Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	1.00180 0.65327	0.96821	0.88565	0.84947	0.77181	0.68519	AVRG		0.83077	16.12504
35 Chloroform	0.73429 0.59069	0.76243	0.66379	0.63489	0.63411	0.59393	AVRG		0.65916	10.08034
36 Tetrahydrofuran	0.19134 0.23610	0.18701	0.19645	0.20246	0.22006	0.22437	AVRG		0.20826	8.94975
37 1,1,1-Trichloroethane	0.80338 0.73807	0.75707	0.71842	0.71814	0.73810	0.72254	AVRG		0.74225	4.08985
38 1,2-Dichloroethane	0.53523 0.46736	0.53873	0.50037	0.47800	0.48265	0.46019	AVRG		0.49465	6.38031
39 Benzene	0.99526 0.85814	0.90541	0.78844	0.78342	0.82436	0.82160	AVRG		0.85380	8.79358
40 Carbon tetrachloride	0.77229 0.76595	0.82905	0.74737	0.71412	0.78523	0.75563	AVRG		0.76709	4.61599

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Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
41 Cyclohexane	0.35771	0.38601	0.37773	0.37084	0.36602	0.34511				
	0.34680						AVRG		0.36432	4.21613
42 Tert Amyl Methyl Ether	1.05245	0.92982	0.79326	0.75148	0.72671	0.65487				
	0.62059						AVRG		0.78988	19.40005
44 2,2,4-Trimethylpentane	1.40086	1.34037	1.23758	1.21074	1.19655	1.11886				
	1.10424						AVRG		1.22989	8.85012
45 Heptane	0.36116	0.36386	0.35010	0.34656	0.34935	0.34300				
	0.35022						AVRG		0.35204	2.16617
46 1,2-Dichloropropane	0.31014	0.31248	0.29364	0.28966	0.30852	0.30475				
	0.31818						AVRG		0.30534	3.36154
47 Trichloroethene	0.47836	0.46675	0.43282	0.41974	0.47248	0.48037				
	0.51450						AVRG		0.46643	6.77618
48 1,4-Dioxane	0.16211	0.20028	0.19295	0.18515	0.21429	0.22248				
	0.23437						AVRG		0.20166	12.10834

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Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.67236 0.72582	0.70682	0.66965	0.65943	0.72859	0.71213	AVRG		0.69640	4.11083
50 Methylcyclohexane	0.19002 0.28406	0.21199	0.22620	0.21121	0.25292	0.26126	AVRG		0.23395	14.18315
51 Methyl Isobutyl Ketone	0.55368 0.37461	0.54042	0.49024	0.48468	0.42742	0.37946	AVRG		0.46436	15.59674
52 cis-1,3-Dichloropropene	0.46428 0.56094	0.47140	0.44718	0.44825	0.52059	0.52913	AVRG		0.49168	9.11960
53 trans-1,3-Dichloropropene	0.37126 0.54365	0.36640	0.38865	0.39336	0.50298	0.51548	AVRG		0.44025	17.43754
55 Toluene	1.28467 1.13425	1.17667	1.07720	1.00518	1.12016	1.10721	AVRG		1.12933	7.67692
56 1,1,2-Trichloroethane	0.37259 0.40075	0.42920	0.36648	0.35312	0.39672	0.39115	AVRG		0.38715	6.55058

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Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	0.86850 0.49913	0.80511	0.72948	0.71845	0.65596	0.55536	AVRG		0.69028	18.99934
58 Dibromochloromethane	1.14491 1.14779	1.16114	1.03397	1.08579	1.28591	1.22187	AVRG		1.15448	7.18093
59 1,2-Dibromoethane	1.02435 0.97341	1.08894	0.93846	0.97056	1.07412	1.02251	AVRG		1.01319	5.50201
60 Tetrachloroethene	1.10103 0.88535	1.09595	0.96436	0.94677	0.99736	0.93368	AVRG		0.98921	8.28000
62 Chlorobenzene	1.55669 1.38802	1.48105	1.37465	1.27978	1.47919	1.42286	AVRG		1.42603	6.29886
63 Ethyl Benzene	2.24860 2.13870	2.08604	2.05694	2.06290	2.37567	2.26127	AVRG		2.17573	5.59331
64 m&p-Xylene	1.92170 1.54098	1.85026	1.66045	1.68217	1.84217	1.69311	AVRG		1.74155	7.67068

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
65 Bromoform	0.93791	0.86274	0.85161	0.88680	1.15799	1.06550				
	0.95074						AVRG		0.95904	11.84773
66 Styrene	1.22026	1.18358	1.16201	1.17803	1.40530	1.35154				
	1.29263						AVRG		1.25619	7.56573
67 o-Xylene	2.11119	1.74767	1.73639	1.65923	1.89864	1.80338				
	1.69357						AVRG		1.80716	8.57706
68 1,1,2,2-Tetrachloroethane	1.06291	1.08239	0.97321	0.96807	1.15282	1.09841				
	1.04655						AVRG		1.05491	6.30983
69 Isopropylbenzene	2.71578	2.50175	2.23297	2.25595	2.61414	2.45993				
	2.32464						AVRG		2.44360	7.48181
70 N-Propylbenzene	2.38069	2.23092	2.22514	2.38516	3.00399	2.85126				
	2.67995						AVRG		2.53673	12.21092
71 4-Ethyltoluene	2.05978	1.90798	1.99619	2.06031	2.58409	2.48016				
	2.33290						AVRG		2.20306	11.85986

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
72 1,3,5-Trimethylbenzene	1.76590	1.81895	1.75773	1.76758	2.20159	2.08049				
	1.96893					AVRG			1.90874	9.32492
73 Tert-Butyl Benzene	2.06598	1.85400	1.78159	1.85784	2.32420	2.17189				
	1.99718					AVRG			2.00753	9.70701
74 1,2,4-Trimethylbenzene	1.90996	1.84091	1.72167	1.76160	2.15654	1.97511				
	1.77832					AVRG			1.87773	8.05727
75 1,3-Dichlorobenzene	1.25705	1.14058	1.09892	1.11250	1.45245	1.36720				
	1.27016					AVRG			1.24269	10.82153
76 Sec- Butylbenzene	2.54292	2.40127	2.36604	2.41154	3.00849	2.74690				
	2.48315					AVRG			2.56576	9.09736
78 Benzyl Chloride	1623	2840	7721	18508	358199	735753				
	1117552					LINR	-0.01405	1.53925		0.99887
79 1,4-Dichlorobenzene	1.23134	1.18124	1.07134	1.11655	1.44026	1.39329				
	1.32717					AVRG			1.25160	11.17973

Report Date : 14-Mar-2016 08:33

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INITIAL CALIBRATION DATA

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
80 p-Isopropyltoluene	2.13380 2.30530	2.04234	1.97420	1.97005	2.60409	2.46011	AVRG		2.21284		11.28235
81 1,2,3-Trimethylbenzene	1.87450 1.86252	1.74581	1.65719	1.65306	2.10317	1.98490	AVRG		1.84016		9.12560
82 1,2-Dichlorobenzene	1.27966 1.25277	1.01954	0.99474	0.98959	1.35465	1.31120	AVRG		1.17174		13.88381
83 N-Butylbenzene	1.73310 1.91642	1.52171	1.48042	1.58970	2.24418	2.07859	AVRG		1.79487		16.34754
84 1,2,4-Trichlorobenzene	1086 502569	1424	3260	6923	143249	311610	LINR	-0.02014	0.68081		0.99963
85 Naphthalene	3266 1134498	4213	9154	19142	341070	711512	LINR	-0.02668	1.53929		0.99988
86 Hexachlorobutadiene	0.59972 0.63477	0.54961	0.55370	0.55573	0.73064	0.68106	AVRG		0.61503		11.47930

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients			RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2		
	30.0000											
	Level 7											
\$ 28 Hexane-d14(S)	0.35228 0.42106	0.35360	0.35736	0.35483	0.35571	0.37663	AVRG		0.36735		6.83107	
\$ 54 Toluene-d8 (S)	0.83410 1.01041	0.83581	0.84930	0.83071	0.86502	0.91703	AVRG		0.87748		7.50031	
\$ 77 1,4-dichlorobenzene-d4 (S)	0.49709 0.63372	0.50623	0.55457	0.58455	0.63192	0.64862	AVRG		0.57953		10.74657	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07401BFB.D

BFB Injection Date: 03/14/2016

Instrument ID: 10AIRB

BFB Injection Time: 08:17

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.49
75	30.00 - 66.00% of mass 95	44.84
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.60 (0.69)
174	50.00 - 120.00% of mass 95	87.75
175	4.00 - 9.00% of mass 174	6.12 (6.98)
176	93.00 - 101.00% of mass 174	83.04 (94.64)
177	5.00 - 9.00% of mass 176	5.37 (6.46)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07402.D	03/14/2016	08:45
2	LCS for HBN 404777 [AIR/	2209416	07402_25432.D	03/14/2016	08:45
3	0	0	07403.D	03/14/2016	09:29
4	CERT	CERT	07404.D	03/14/2016	10:01
5	CERT	CERT	07406.D	03/14/2016	11:04
6	CERT	CERT	07407.D	03/14/2016	11:36
7	CERT	CERT	07408.D	03/14/2016	12:08
8	BLANK for HBN 404777 [AI	2209415	07410_25432.D	03/14/2016	13:10
9	0	0	07418.D	03/14/2016	17:19
10	VP-8_20_20160211	10338550013	07419.D	03/14/2016	17:52
11	FPM-20_5_2016211	10338550009	07420.D	03/14/2016	18:25
12	VP-8D_53.5_20160211	10338550014	07421.D	03/14/2016	18:57
13	VP-8_10_20160211	10338550012	07422.D	03/14/2016	19:30
14	VP-104-19_20160211	10338550003	07423.D	03/14/2016	20:02
15	VP-104-50_20160211	10338550006	07424.D	03/14/2016	20:33
16	VP-104-40_20160211	10338550005	07425.D	03/14/2016	21:05
17	VP-8D_62.5_20160211DU	10338550016	07426.D	03/14/2016	21:37
18	FPM-20_9.4_2016211	10338550010	07427.D	03/14/2016	22:09
19	VP-8D_72.5_20160211	10338550017	07428.D	03/14/2016	22:41
20	VP-8_5_20160211	10338550011	07429.D	03/14/2016	23:13
21	VP-104-73_20160211	10338550008	07430.D	03/14/2016	23:45
22	VP-8D_62.5_20160211	10338550015	07431.D	03/15/2016	00:17
23	VP-104-30_20160211	10338550004	07432.D	03/15/2016	00:49

Data File: \\192.168.10.12\chem\10airB.i\031416.b\07402.D
 Report Date: 14-Mar-2016 10:08

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 14-MAR-2016 08:45
 Lab File ID: 07402.D Init. Cal. Date(s): 13-MAR-2016 13-MAR-2016
 Analysis Type: AIR Init. Cal. Times: 12:28 15:19
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10airB.i\031416.b\TO15_073-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.39864	0.40160	0.40160	0.010	0.74196	30.00000	Aver	
2 Propylene	0.12826	0.12918	0.12918	0.010	0.71651	30.00000	Aver	
3 Dichlorodifluoromethane	0.86588	0.86249	0.86249	0.010	-0.39221	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.76213	0.76366	0.76366	0.010	0.20076	30.00000	Aver	
5 Chloromethane	0.24757	0.24617	0.24617	0.010	-0.56561	30.00000	Aver	
6 Vinyl chloride	0.24336	0.24662	0.24662	0.010	1.33808	30.00000	Aver	
7 1,3-Butadiene	0.15633	0.15628	0.15628	0.010	-0.03134	30.00000	Aver	
8 Bromomethane	0.23448	0.23369	0.23369	0.010	-0.33653	30.00000	Aver	
9 Chloroethane	0.09281	0.09724	0.09724	0.010	4.76349	30.00000	Aver	(M)
10 Ethanol	0.05209	0.04998	0.04998	0.005	-4.03317	30.00000	Aver	
11 Vinyl Bromide	0.23057	0.22688	0.22688	0.010	-1.59968	30.00000	Aver	
12 Isopentane	0.14754	0.14424	0.14424	0.010	-2.24042	30.00000	Aver	(M)
13 Acrolein	0.06521	0.06767	0.06767	0.010	3.76892	30.00000	Aver	
14 Trichlorofluoromethane	0.65130	0.64161	0.64161	0.010	-1.48772	30.00000	Aver	
15 Acetone	0.24010	0.21521	0.21521	0.010	-10.36660	30.00000	Aver	
16 Isopropyl Alcohol	0.24143	0.23613	0.23613	0.010	-2.19544	30.00000	Aver	
17 Acrylonitrile	0.12909	0.13092	0.13092	0.010	1.41707	30.00000	Aver	
18 1,1-Dichloroethene	0.29884	0.29835	0.29835	0.010	-0.16516	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.43109	0.42186	0.42186	0.010	-2.14177	30.00000	Aver	(M)
20 Freon 113	0.45649	0.44749	0.44749	0.010	-1.97147	30.00000	Aver	
21 Methylene chloride	0.17418	0.16806	0.16806	0.010	-3.51064	30.00000	Aver	
22 Allyl Chloride	0.08498	0.08630	0.08630	0.010	1.54231	30.00000	Aver	
23 Carbon Disulfide	0.54668	0.54238	0.54238	0.010	-0.78611	30.00000	Aver	
24 trans-1,2-dichloroethene	0.28224	0.28071	0.28071	0.010	-0.54466	30.00000	Aver	
25 Methyl Tert Butyl Ether	0.72598	0.71854	0.71854	0.010	-1.02390	30.00000	Aver	
26 Vinyl Acetate	0.53707	0.57893	0.57893	0.010	7.79317	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.48437	0.49482	0.49482	0.010	2.15623	30.00000	Aver	
28 Hexane-d14(S)	0.36735	0.35743	0.35743	0.010	-2.70024	30.00000	Aver	
29 Methyl Ethyl Ketone	0.12990	0.13109	0.13109	0.010	0.91278	30.00000	Aver	(M)
30 n-Hexane	0.47473	0.57046	0.57046	0.010	20.16707	30.00000	Aver	(M)
31 Di-isopropyl Ether	0.64509	0.57916	0.57916	0.010	-10.21994	30.00000	Aver	
32 Ethyl Acetate	0.45097	0.46164	0.46164	0.010	2.36601	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.31155	0.31339	0.31339	0.010	0.59035	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.83077	0.79795	0.79795	0.010	-3.95056	30.00000	Aver	
35 Chloroform	0.65916	0.64598	0.64598	0.010	-1.99994	30.00000	Aver	
36 Tetrahydrofuran	0.20826	0.22853	0.22853	0.010	9.73670	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.74225	0.76098	0.76098	0.010	2.52446	30.00000	Aver	
38 1,2-Dichloroethane	0.49465	0.49341	0.49341	0.010	-0.25008	30.00000	Aver	
39 Benzene	0.85380	0.82237	0.82237	0.010	-3.68162	30.00000	Aver	
40 Carbon tetrachloride	0.76709	0.80750	0.80750	0.010	5.26851	30.00000	Aver	
41 Cyclohexane	0.36432	0.36915	0.36915	0.010	1.32544	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.78988	0.74477	0.74477	0.010	-5.71176	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\031416.b\07402.D
Report Date: 14-Mar-2016 10:08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airB.i\031416.b\07402.D
Report Date: 14-Mar-2016 10:08

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 14-MAR-2016 08:45
Lab File ID: 07402.D Init. Cal. Date(s): 13-MAR-2016 13-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:28 15:19
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\031416.b\TO15_073-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRI	MAX %D / %DRI	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	1.22989	1.21443	1.21443	0.010	-1.25723	30.00000	Aver	
45 Heptane	0.35204	0.36030	0.36030	0.010	2.34690	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.30534	0.30653	0.30653	0.010	0.39039	30.00000	Aver	(M)
47 Trichloroethene	0.46643	0.46447	0.46447	0.010	-0.41993	30.00000	Aver	
48 1,4-Dioxane	0.20166	0.21848	0.21848	0.010	8.34097	30.00000	Aver	(M)
49 Bromodichloromethane	0.69640	0.73889	0.73889	0.010	6.10201	30.00000	Aver	
50 Methylcyclohexane	0.23395	0.24646	0.24646	0.010	5.34529	30.00000	Aver	
51 Methyl Isobutyl Ketone	0.46436	0.44311	0.44311	0.010	-4.57540	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.49168	0.51744	0.51744	0.010	5.23887	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.44025	0.50320	0.50320	0.010	14.29718	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.87748	0.84456	0.84456	0.010	-3.75148	30.00000	Aver	
55 Toluene	1.12933	1.11106	1.11106	0.010	-1.61834	30.00000	Aver	
56 1,1,2-Trichloroethane	0.38715	0.39681	0.39681	0.010	2.49743	30.00000	Aver	
57 Methyl Butyl Ketone	0.69028	0.70111	0.70111	0.010	1.56786	30.00000	Aver	
58 Dibromochloromethane	1.15448	1.32178	1.32178	0.010	14.49129	30.00000	Aver	
59 1,2-Dibromoethane	1.01319	1.10276	1.10276	0.010	8.84018	30.00000	Aver	
60 Tetrachloroethene	0.98921	1.00870	1.00870	0.010	1.97025	30.00000	Aver	
62 Chlorobenzene	1.42603	1.49372	1.49372	0.010	4.74640	30.00000	Aver	
63 Ethyl Benzene	2.17573	2.44420	2.44420	0.010	12.33922	30.00000	Aver	
64 m&p-Xylene	1.74155	1.90293	1.90293	0.010	9.26637	30.00000	Aver	
65 Bromoform	0.95904	1.19930	1.19930	0.010	25.05186	30.00000	Aver	
66 Styrene	1.25619	1.44447	1.44447	0.010	14.98796	30.00000	Aver	
67 o-Xylene	1.80716	1.96407	1.96407	0.010	8.68324	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	1.05491	1.18335	1.18335	0.010	12.17509	30.00000	Aver	
69 Isopropylbenzene	2.44360	2.70214	2.70214	0.010	10.58049	30.00000	Aver	
70 N-Propylbenzene	2.53673	3.10185	3.10185	0.010	22.27761	30.00000	Aver	(M)
71 4-Ethyltoluene	2.20306	2.64670	2.64670	0.010	20.13754	30.00000	Aver	(M)
72 1,3,5-Trimethylbenzene	1.90874	2.25322	2.25322	0.010	18.04743	30.00000	Aver	
73 Tert-Butyl Benzene	2.00753	2.37217	2.37217	0.010	18.16399	30.00000	Aver	
74 1,2,4-Trimethylbenzene	1.87773	2.20849	2.20849	0.010	17.61465	30.00000	Aver	
75 1,3-Dichlorobenzene	1.24269	1.49362	1.49362	0.010	20.19220	30.00000	Aver	
76 Sec- Butylbenzene	2.56576	3.10066	3.10066	0.010	20.84789	30.00000	Aver	
77 1,4-dichlorobenzene-d4 (S)	0.57953	0.66100	0.66100	0.010	14.05842	30.00000	Aver	
78 Benzyl Chloride	10.00000	10.99337	1.67811	0.010	9.93374	30.00000	Line	
79 1,4-Dichlorobenzene	1.25160	1.45513	1.45513	0.010	16.26143	30.00000	Aver	
80 p-Isopropyltoluene	2.21284	2.64347	2.64347	0.010	19.46027	30.00000	Aver	(M)
81 1,2,3-Trimethylbenzene	1.84016	2.15973	2.15973	0.010	17.36614	30.00000	Aver	
82 1,2-Dichlorobenzene	1.17174	1.37766	1.37766	0.010	17.57441	30.00000	Aver	
83 N-Butylbenzene	1.79487	2.27814	2.27814	0.010	26.92447	30.00000	Aver	
84 1,2,4-Trichlorobenzene	10.00000	8.99968	0.59257	0.010	-10.00320	30.00000	Line	
85 Naphthalene	10.00000	9.17857	1.38617	0.010	-8.21434	30.00000	Line	
86 Hexachlorobutadiene	0.61503	0.67820	0.67820	0.010	10.27026	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\031416.b\07402.D
Report Date: 14-Mar-2016 10:08

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	7.11269
Maximun Average %D/Drift	= 0.000e+000
* Failed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07501BFB.D

BFB Injection Date: 03/15/2016

Instrument ID: 10AIRB

BFB Injection Time: 05:49

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.48
75	30.00 - 66.00% of mass 95	42.50
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.59 (0.66)
174	50.00 - 120.00% of mass 95	89.58
175	4.00 - 9.00% of mass 174	6.52 (7.28)
176	93.00 - 101.00% of mass 174	86.27 (96.30)
177	5.00 - 9.00% of mass 176	5.72 (6.63)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07502.D	03/15/2016	06:17
2	0	0	07503.D	03/15/2016	07:20
3	CERT	CERT	07504.D	03/15/2016	07:56
4	CERT	CERT	07506.D	03/15/2016	08:59
5	CERT	CERT	07507.D	03/15/2016	09:30
6	CERT	CERT	07508.D	03/15/2016	10:02
7	CERT	CERT	07509.D	03/15/2016	10:33
8	CERT	CERT	07510.D	03/15/2016	11:05
9	VP-8_10_20160211	10338550012	07511.D	03/15/2016	11:38
10	VP-104-50_20160211	10338550006	07512.D	03/15/2016	12:06
11	VP-8D_53.5_20160211	10338550014	07513.D	03/15/2016	12:34
12	VP-8D_62.5_20160211	10338550015	07514.D	03/15/2016	13:02
13	VP-104-73_20160211	10338550008	07516.D	03/15/2016	13:58
14	VP-8D_72.5_20160211	10338550017	07517.D	03/15/2016	14:26
15	VP-8D_62.5_20160211DU	10338550016	07518.D	03/15/2016	14:54
16	FPM-20_9.4_2016211	10338550010	07519.D	03/15/2016	15:27
17	0	0	07520.D	03/15/2016	15:54
18	VP-8_5_20160211	10338550011	07521.D	03/15/2016	16:26
19	0	0	07538.D	03/16/2016	01:26

cis-1,2-dichloroethene, tetrachloroethene,
and trichloroethene only.

Data File: \\192.168.10.12\chem\10airB.i\031516.b\07502.D
Report Date: 15-Mar-2016 07:59

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 15-MAR-2016 06:17
Lab File ID: 07502.D Init. Cal. Date(s): 13-MAR-2016 13-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:28 15:19
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\031516.b\TO15_073-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.39864	0.36365	0.36365	0.010	-8.77820	30.00000	Aver	
2 Propylene	0.12826	0.12171	0.12171	0.010	-5.10787	30.00000	Aver	
3 Dichlorodifluoromethane	0.86588	0.80316	0.80316	0.010	-7.24385	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.76213	0.74052	0.74052	0.010	-2.83550	30.00000	Aver	
5 Chloromethane	0.24757	0.22283	0.22283	0.010	-9.99280	30.00000	Aver	
6 Vinyl chloride	0.24336	0.22881	0.22881	0.010	-5.97852	30.00000	Aver	
7 1,3-Butadiene	0.15633	0.14066	0.14066	0.010	-10.02583	30.00000	Aver	
8 Bromomethane	0.23448	0.21519	0.21519	0.010	-8.22727	30.00000	Aver	
9 Chloroethane	0.09281	0.09037	0.09037	0.010	-2.62898	30.00000	Aver	(M)
10 Ethanol	0.05209	0.04834	0.04834	0.005	-7.19180	30.00000	Aver	
11 Vinyl Bromide	0.23057	0.20812	0.20812	0.010	-9.73581	30.00000	Aver	
12 Isopentane	0.14754	0.12708	0.12708	0.010	-13.87125	30.00000	Aver	(M)
13 Acrolein	0.06521	0.06277	0.06277	0.010	-3.74872	30.00000	Aver	
14 Trichlorofluoromethane	0.65130	0.57151	0.57151	0.010	-12.24965	30.00000	Aver	
15 Acetone	0.24010	0.20205	0.20205	0.010	-15.84740	30.00000	Aver	
16 Isopropyl Alcohol	0.24143	0.22701	0.22701	0.010	-5.97408	30.00000	Aver	
17 Acrylonitrile	0.12909	0.12464	0.12464	0.010	-3.44441	30.00000	Aver	
18 1,1-Dichloroethene	0.29884	0.27633	0.27633	0.010	-7.53186	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.43109	0.39292	0.39292	0.010	-8.85305	30.00000	Aver	
20 Freon 113	0.45649	0.40598	0.40598	0.010	-11.06664	30.00000	Aver	
21 Methylene chloride	0.17418	0.15738	0.15738	0.010	-9.64280	30.00000	Aver	
22 Allyl Chloride	0.08498	0.08100	0.08100	0.010	-4.68770	30.00000	Aver	
23 Carbon Disulfide	0.54668	0.52467	0.52467	0.010	-4.02686	30.00000	Aver	
24 trans-1,2-dichloroethene	0.28224	0.29120	0.29120	0.010	3.17328	30.00000	Aver	
25 Methyl Tert Butyl Ether	0.72598	0.70559	0.70559	0.010	-2.80847	30.00000	Aver	
26 Vinyl Acetate	0.53707	0.54740	0.54740	0.010	1.92236	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.48437	0.49732	0.49732	0.010	2.67207	30.00000	Aver	
28 Hexane-d14(S)	0.36735	0.36678	0.36678	0.010	-0.15648	30.00000	Aver	
29 Methyl Ethyl Ketone	0.12990	0.13368	0.13368	0.010	2.91030	30.00000	Aver	
30 n-Hexane	0.47473	0.56188	0.56188	0.010	18.35860	30.00000	Aver	(M)
31 Di-isopropyl Ether	0.64509	0.53654	0.53654	0.010	-16.82672	30.00000	Aver	
32 Ethyl Acetate	0.45097	0.43650	0.43650	0.010	-3.20728	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.31155	0.33435	0.33435	0.010	7.31624	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.83077	0.76515	0.76515	0.010	-7.89912	30.00000	Aver	
35 Chloroform	0.65916	0.61948	0.61948	0.010	-6.01961	30.00000	Aver	
36 Tetrahydrofuran	0.20826	0.21833	0.21833	0.010	4.83727	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.74225	0.73346	0.73346	0.010	-1.18409	30.00000	Aver	
38 1,2-Dichloroethane	0.49465	0.47036	0.47036	0.010	-4.91045	30.00000	Aver	
39 Benzene	0.85380	0.86636	0.86636	0.010	1.47047	30.00000	Aver	
40 Carbon tetrachloride	0.76709	0.77516	0.77516	0.010	1.05194	30.00000	Aver	
41 Cyclohexane	0.36432	0.36776	0.36776	0.010	0.94357	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.78988	0.73150	0.73150	0.010	-7.39186	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\031516.b\07502.D
Report Date: 15-Mar-2016 07:59

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airB.i\031516.b\07502.D
 Report Date: 15-Mar-2016 07:59

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 15-MAR-2016 06:17
 Lab File ID: 07502.D Init. Cal. Date(s): 13-MAR-2016 13-MAR-2016
 Analysis Type: AIR Init. Cal. Times: 12:28 15:19
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10airB.i\031516.b\TO15_073-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	1.22989	1.18676	1.18676	0.010	-3.50692	30.00000	Aver	
45 Heptane	0.35204	0.34630	0.34630	0.010	-1.62958	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.30534	0.31317	0.31317	0.010	2.56608	30.00000	Aver	(M)
47 Trichloroethene	0.46643	0.50388	0.50388	0.010	8.02953	30.00000	Aver	
48 1,4-Dioxane	0.20166	0.22895	0.22895	0.010	13.53125	30.00000	Aver	(M)
49 Bromodichloromethane	0.69640	0.72202	0.72202	0.010	3.67839	30.00000	Aver	
50 Methylcyclohexane	0.23395	0.27597	0.27597	0.010	17.96094	30.00000	Aver	
51 Methyl Isobutyl Ketone	0.46436	0.41523	0.41523	0.010	-10.57875	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.49168	0.52884	0.52884	0.010	7.55687	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.44025	0.51033	0.51033	0.010	15.91605	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.87748	0.89575	0.89575	0.010	2.08231	30.00000	Aver	
55 Toluene	1.12933	1.16277	1.16277	0.010	2.96091	30.00000	Aver	
56 1,1,2-Trichloroethane	0.38715	0.40450	0.40450	0.010	4.48401	30.00000	Aver	
57 Methyl Butyl Ketone	0.69028	0.60299	0.60299	0.010	-12.64638	30.00000	Aver	
58 Dibromochloromethane	1.15448	1.24759	1.24759	0.010	8.06459	30.00000	Aver	
59 1,2-Dibromoethane	1.01319	1.05413	1.05413	0.010	4.04092	30.00000	Aver	
60 Tetrachloroethene	0.98921	0.98878	0.98878	0.010	-0.04408	30.00000	Aver	
62 Chlorobenzene	1.42603	1.50063	1.50063	0.010	5.23075	30.00000	Aver	
63 Ethyl Benzene	2.17573	2.36392	2.36392	0.010	8.64949	30.00000	Aver	
64 m&p-Xylene	1.74155	1.79554	1.79554	0.010	3.10033	30.00000	Aver	
65 Bromoform	0.95904	1.10639	1.10639	0.010	15.36404	30.00000	Aver	
66 Styrene	1.25619	1.42655	1.42655	0.010	13.56144	30.00000	Aver	
67 o-Xylene	1.80716	1.87696	1.87696	0.010	3.86263	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	1.05491	1.13475	1.13475	0.010	7.56841	30.00000	Aver	
69 Isopropylbenzene	2.44360	2.59283	2.59283	0.010	6.10706	30.00000	Aver	
70 N-Propylbenzene	2.53673	2.95886	2.95886	0.010	16.64049	30.00000	Aver	(M)
71 4-Ethyltoluene	2.20306	2.56909	2.56909	0.010	16.61466	30.00000	Aver	
72 1,3,5-Trimethylbenzene	1.90874	2.17695	2.17695	0.010	14.05164	30.00000	Aver	
73 Tert-Butyl Benzene	2.00753	2.28208	2.28208	0.010	13.67625	30.00000	Aver	
74 1,2,4-Trimethylbenzene	1.87773	2.09120	2.09120	0.010	11.36827	30.00000	Aver	
75 1,3-Dichlorobenzene	1.24269	1.43645	1.43645	0.010	15.59161	30.00000	Aver	
76 Sec- Butylbenzene	2.56576	2.91976	2.91976	0.010	13.79712	30.00000	Aver	
77 1,4-dichlorobenzene-d4 (S)	0.57953	0.62992	0.62992	0.010	8.69617	30.00000	Aver	
78 Benzyl Chloride	10.00000	10.00897	1.52658	0.010	0.08968	30.00000	Line	
79 1,4-Dichlorobenzene	1.25160	1.44154	1.44154	0.010	15.17593	30.00000	Aver	
80 p-Isopropyltoluene	2.21284	2.57651	2.57651	0.010	16.43430	30.00000	Aver	(M)
81 1,2,3-Trimethylbenzene	1.84016	2.07330	2.07330	0.010	12.66923	30.00000	Aver	
82 1,2-Dichlorobenzene	1.17174	1.36067	1.36067	0.010	16.12420	30.00000	Aver	
83 N-Butylbenzene	1.79487	2.15532	2.15532	0.010	20.08213	30.00000	Aver	
84 1,2,4-Trichlorobenzene	10.00000	9.32697	0.61485	0.010	-6.73034	30.00000	Line	
85 Naphthalene	10.00000	9.51723	1.43830	0.010	-4.82766	30.00000	Line	
86 Hexachlorobutadiene	0.61503	0.66011	0.66011	0.010	7.32924	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\031516.b\07502.D
Report Date: 15-Mar-2016 07:59

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 7.93300
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07201BFB.D

BFB Injection Date: 03/12/2016

Instrument ID: 10AIRD

BFB Injection Time: 08:19

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.10
75	30.00 - 66.00% of mass 95	48.63
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	106.17
175	4.00 - 9.00% of mass 174	9.39 (8.84)
176	93.00 - 101.00% of mass 174	102.12 (96.19)
177	5.00 - 9.00% of mass 176	7.03 (6.89)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07204.D	03/12/2016	09:48
2	CAL2	CAL2	07205.D	03/12/2016	10:11
3	CAL3	CAL3	07206.D	03/12/2016	10:35
4	CAL4	CAL4	07207.D	03/12/2016	11:00
5	CAL5	CAL5	07208.D	03/12/2016	11:24
6	CAL6	CAL6	07209.D	03/12/2016	11:50
7	CAL7	CAL7	07210.D	03/12/2016	12:18
8	ICV (LCS)	ICV	07212.D	03/12/2016	13:05

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
End Cal Date : 12-MAR-2016 12:18
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\T015_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10airD.i\031216.b\07204.d
Level 02: all \\192.168.10.12\chem\10airD.i\031216.b\07205.d
Level 03: all \\192.168.10.12\chem\10airD.i\031216.b\07206.d
Level 04: all \\192.168.10.12\chem\10airD.i\031216.b\07207.d
Level 05: all \\192.168.10.12\chem\10airD.i\031216.b\07208.d
Level 06: all \\192.168.10.12\chem\10airD.i\031216.b\07209.d
Level 07: all \\192.168.10.12\chem\10airD.i\031216.b\07210.d

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.88276	0.80886	0.70518	0.70714	0.68282	0.72060					
	0.74986						AVRG		0.75103		9.46277
2 Propylene	46.00000	377	974	1865	16837	38008					
	+++++						QUAD	0.00029	0.21259	0.01264	0.99997
3 Dichlorodifluoromethane	2.31996	2.10462	1.89701	1.78651	1.66230	1.66350					
	1.24647						AVRG		1.81148		19.06734
4 Dichlorotetrafluoroethane	2.34522	1.74465	1.68116	1.60416	1.40493	1.48259					
	1.46346						AVRG		1.67517		19.09328

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
End Cal Date : 12-MAR-2016 12:18
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.34156 0.45972	0.47832	0.48541	0.44754	0.42718	0.43917	AVRG		0.43984	10.91606
6 Vinyl chloride	0.42454 0.41880	0.32931	0.43243	0.39822	0.39333	0.39595	AVRG		0.39894	8.59924
7 1,3-Butadiene	0.18040 0.24314	0.17355	0.23498	0.22158	0.22143	0.23288	AVRG		0.21542	12.72696
8 Bromomethane	0.57969 0.54483	0.58135	0.59873	0.58481	0.50888	0.53167	AVRG		0.56142	5.90372
9 Chloroethane	0.15635 0.18495	0.09689	0.16875	0.16254	0.16465	0.17260	AVRG		0.15810	17.99530
10 Ethanol	0.04450 0.12898	0.11173	0.08663	0.08635	0.08031	0.08736	AVRG		0.08941	29.53964
11 Vinyl Bromide	0.67157 0.56040	0.58502	0.57366	0.56693	0.49280	0.54307	AVRG		0.57049	9.42373

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
12 Isopentane	0.42094 0.43097	0.42190	0.38337	0.42907	0.32935	0.38270	AVRG		0.39976		9.29767
13 Acrolein	52.00000 81838	273	919	2435	21575	51794	LINR	-0.01148	0.13493		0.99766
14 Trichlorofluoromethane	2.38130 1.72271	2.06292	2.03559	1.89208	1.63454	1.70246	AVRG		1.91880		13.70773
15 Acetone	0.62443 0.67276	0.83007	0.61134	0.66409	0.60301	0.65835	AVRG		0.66629		11.57865
16 Isopropyl Alcohol	0.80579 0.69049	0.69369	0.54428	0.54659	0.46841	0.45817	AVRG		0.60106		21.76609
17 Acrylonitrile	59.00000 167623	770	2080	5240	45453	106923	LINR	-0.01931	0.27672		0.99833
18 1,1-Dichloroethene	1.00784 0.81565	0.94867	0.87541	0.82012	0.75980	0.76826	AVRG		0.85654		10.85705

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\T015_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	1.33064	1.16024	0.96710	0.95834	0.85303	0.85191				
	1.06707						AVRG		1.02690	16.90315
20 Freon 113	1.46967	1.43374	1.33310	1.23073	1.08730	1.13930				
	1.18872						AVRG		1.26894	11.56700
21 Methylene chloride	0.64896	0.56405	0.50018	0.50580	0.45123	0.50030				
	0.51692						AVRG		0.52678	11.99927
22 Allyl Chloride	0.18136	0.22371	0.20506	0.20132	0.19625	0.22300				
	0.22763						AVRG		0.20833	8.21425
23 Carbon Disulfide	1.84490	1.60361	1.48248	1.49507	1.26615	1.33729				
	1.51056						AVRG		1.50572	12.45637
24 trans-1,2-dichloroethene	0.60254	0.41455	0.49915	0.50184	0.50255	0.49679				
	0.57311						AVRG		0.51293	11.80839
25 Methyl Tert Butyl Ether	1.89469	1.65941	1.51711	1.51607	1.40248	1.41872				
	1.49621						AVRG		1.55781	10.94670

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
End Cal Date : 12-MAR-2016 12:18
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.94169 1.24425	0.98363	0.89258	0.99360	1.07772	1.15957	AVRG		1.04186	12.02289
27 1,1-Dichloroethane	1.21470 0.98459	0.99221	0.95071	0.87576	0.90700	0.92625	AVRG		0.97875	11.43724
29 Methyl Ethyl Ketone	0.18714 0.25624	0.20727	0.20962	0.22178	0.22513	0.23599	AVRG		0.22045	10.05353
30 n-Hexane	0.61336 1.02513	0.84810	0.85750	0.84017	0.90003	0.93465	AVRG		0.85985	14.69649
31 Di-isopropyl Ether	1.51850 1.40636	1.44490	1.25407	1.23933	1.27424	1.32273	AVRG		1.35145	7.90580
32 Ethyl Acetate	1.02348 0.97951	0.84626	0.82292	0.96517	0.86100	0.92064	AVRG		0.91700	8.27761
33 cis-1,2-Dichloroethene	0.69274 0.62817	0.55130	0.52932	0.54642	0.57567	0.58210	AVRG		0.58653	9.66361

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
End Cal Date : 12-MAR-2016 12:18
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	1.88916 1.53227	1.56043	1.48052	1.57897	1.41995	1.47560	AVRG		1.56242	9.86323
35 Chloroform	1.89421 1.43870	1.72319	1.48027	1.45365	1.32618	1.36516	AVRG		1.52591	13.51576
36 Tetrahydrofuran	0.18401 0.46262	0.39247	0.41183	0.43903	0.41058	0.43279	AVRG		0.39048	24.03450
37 1,1,1-Trichloroethane	2.00967 1.53620	1.80352	1.60929	1.53844	1.44653	1.47363	AVRG		1.63104	12.51434
38 1,2-Dichloroethane	1.04873 0.97801	1.01735	0.99756	0.97076	0.91137	0.92193	AVRG		0.97796	5.03891
39 Benzene	676 ++++	968	1558	13482	118047	263470	LINR	-0.02952	1.65398	0.99946
40 Carbon tetrachloride	597 ++++	947	2299	13775	107421	234945	LINR	-0.01572	1.47447	0.99962

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

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Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.49430	0.52861	0.29041	0.64045	0.55850	0.59698				
	0.48414					AVRG			0.51334	21.97290
42 Tert Amyl Methyl Ether	2.12657	1.82829	1.62028	1.56524	1.46177	1.53619				
	1.54478					AVRG			1.66902	13.92093
44 2,2,4-Trimethylpentane	2.32164	2.06365	1.92948	1.87514	1.79800	1.90912				
	1.98904					AVRG			1.98373	8.61894
45 Heptane	0.70958	0.68437	0.69341	0.63498	0.64695	0.66708				
	0.71599					AVRG			0.67891	4.51841
46 1,2-Dichloropropane	0.63381	0.53351	0.54256	0.53476	0.53331	0.55677				
	0.59455					AVRG			0.56133	6.89766
47 Trichloroethene	0.88397	0.84442	0.78735	0.83142	0.94999	0.83024				
	0.87388					AVRG			0.85732	6.03043
48 1,4-Dioxane	+++++	0.09076	0.08241	0.12804	0.16809	0.13844				
	+++++					AVRG			0.12155	29.00846

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Target Version : 4.14
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Method file : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	1.79439	1.57908	1.60782	1.58983	1.46323	1.54937				
	1.59927						AVRG		1.59757	6.23964
50 Methylcyclohexane	0.10824	0.26062	0.29311	0.27018	0.29840	0.31549				
	0.34201						AVRG		0.26972	28.25524
51 Methyl Isobutyl Ketone	1.00207	1.01417	0.95424	0.96831	0.96815	1.02264				
	1.07848						AVRG		1.00115	4.27312
52 cis-1,3-Dichloropropene	0.76610	0.96400	0.91858	0.96857	0.96842	1.03090				
	1.07058						AVRG		0.95531	10.16448
53 trans-1,3-Dichloropropene	0.43537	0.66658	0.78269	0.71917	0.92110	0.99974				
	1.07503						AVRG		0.79996	27.37782
55 Toluene	2.57853	2.29840	2.04884	1.99048	1.93417	2.04749				
	2.13396						AVRG		2.14741	10.38933
56 1,1,2-Trichloroethane	0.66147	0.68621	0.72677	0.75865	0.72763	0.76675				
	0.79102						AVRG		0.73122	6.24591

Report Date : 13-Mar-2016 11:58

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Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	1.59460 1.81758	1.61400	1.58835	1.58174	1.66947	1.81416	AVRG		1.66856	6.27727
58 Dibromochloromethane	3.95112 3.12965	2.92833	3.00448	2.89641	3.02810	3.13769	AVRG		3.15368	11.51865
59 1,2-Dibromoethane	2.79527 2.47124	1.94633	2.22449	2.18875	2.29772	2.42505	AVRG		2.33555	11.38969
60 Tetrachloroethene	2.40842 2.12124	2.23100	2.17602	2.14224	2.09454	2.13511	AVRG		2.18694	4.89116
62 Chlorobenzene	3.22223 2.96628	2.65469	2.65661	2.54380	2.79460	2.97443	AVRG		2.83038	8.37618
63 Ethyl Benzene	4.85458 4.86824	3.90149	3.63138	3.82954	4.55434	4.84369	AVRG		4.35475	12.56689
64 m&p-Xylene	3.47345 3.70834	2.92557	3.22530	3.30982	3.59204	3.74925	AVRG		3.42625	8.57765

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
End Cal Date : 12-MAR-2016 12:18
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\T015_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
65 Bromoform	3.01465	2.66793	2.68560	2.55886	2.86963	3.10767				
	3.11985						AVRG		2.86060	7.95703
66 Styrene	2.35416	1.87351	1.92327	2.22574	2.49720	2.63596				
	2.65077						AVRG		2.30866	13.77191
67 o-Xylene	3.49114	3.21630	3.48236	3.54759	3.59699	3.82877				
	3.78413						AVRG		3.56390	5.75935
68 1,1,2,2-Tetrachloroethane	2.81178	2.19680	2.42787	2.46185	2.48115	2.67335				
	2.73141						AVRG		2.54060	8.32210
69 Isopropylbenzene	4.49603	4.17182	4.00643	3.99477	4.66794	5.01497				
	4.99262						AVRG		4.47780	9.73106
70 N-Propylbenzene	4.51961	3.96659	4.42316	4.54163	5.60465	5.96207				
	6.02850						AVRG		5.00660	16.69174
71 4-Ethyltoluene	2.75281	2.76503	3.29574	3.71503	4.47963	4.75946				
	4.84090						AVRG		3.80123	23.76211

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
End Cal Date : 12-MAR-2016 12:18
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	3.13967 4.05812	2.79151	3.24455	3.56198	3.88784	4.09579	AVRG		3.53992		14.15573
73 Tert-Butyl Benzene	2.82122 4.17067	2.86102	3.12497	3.41314	3.91295	4.17532	AVRG		3.49704		16.89141
74 1,2,4-Trimethylbenzene	2.99342 3.98943	2.53001	2.97232	3.34648	3.72335	3.97636	AVRG		3.36162		16.65962
75 1,3-Dichlorobenzene	2.15366 2.77127	1.96178	2.18236	2.02707	2.44370	2.69766	AVRG		2.31964		13.88389
76 Sec- Butylbenzene	4.25778 5.49208	3.71502	4.30403	4.38481	5.15035	5.37545	AVRG		4.66850		14.37271
78 Benzyl Chloride	1.89654 3.35613	2.04012	2.32957	2.37037	2.93231	3.12740	AVRG		2.57892		21.77095
79 1,4-Dichlorobenzene	2.13479 2.70089	2.02467	2.03288	2.01976	2.42444	2.50749	AVRG		2.26356		12.27143

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 12-MAR-2016 09:48
End Cal Date : 12-MAR-2016 12:18
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit : 13-Mar-2016 11:53 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
80 p-Isopropyltoluene	4.01481	2.83233	3.03846	3.37394	4.23073	4.52480				
	4.60505						AVRG		3.80287	18.91024
81 1,2,3-Trimethylbenzene	2.56646	2.96363	2.98818	3.07249	3.51701	3.74525				
	3.77011						AVRG		3.23188	14.03268
82 1,2-Dichlorobenzene	1.73614	1.46858	1.80006	1.91898	2.21199	2.37430				
	2.47814						AVRG		1.99831	18.41181
83 N-Butylbenzene	2.53580	2.54436	2.60814	3.08645	3.73373	4.06508				
	4.16793						AVRG		3.24878	22.43578
84 1,2,4-Trichlorobenzene	253	538	1610	3465	37927	101314				
	149271						LINR	-0.02649	1.10327	0.99575
85 Naphthalene	704	1216	2707	6391	66146	++++				
	++++						LINR	-0.01267	1.65737	0.99979
86 Hexachlorobutadiene	1.88239	1.11109	1.38379	1.27445	1.31467	1.48643				
	1.43072						AVRG		1.41193	17.02971

Report Date : 13-Mar-2016 11:58

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```

Start Cal Date   : 12-MAR-2016 09:48
End Cal Date     : 12-MAR-2016 12:18
Quant Method     : ISTD
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\192.168.10.12\chem\10airD.i\031216.b\TO15_072-16.m
Last Edit       : 13-Mar-2016 11:53 10airD.i

```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14 (S)	0.32671 0.37218	0.33929	0.33629	0.32777	0.34866	0.34578	AVRG		0.34238		4.53208
\$ 54 Toluene-d8 (S)	0.82726 0.87470	0.84206	0.85358	0.85930	0.86401	0.85500	AVRG		0.85370		1.79877
\$ 77 1,4-dichlorobenzene-d4 (S)	0.44948 0.56614	0.50329	0.53787	0.53049	0.58801	0.55185	AVRG		0.53245		8.52588

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338550

Lab File ID: 07401BFB.D

BFB Injection Date: 03/14/2016

Instrument ID: 10AIRD

BFB Injection Time: 07:27

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.06
75	30.00 - 66.00% of mass 95	47.95
96	5.00 - 9.00% of mass 95	7.98
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	101.54
175	4.00 - 9.00% of mass 174	7.40 (7.29)
176	93.00 - 101.00% of mass 174	97.94 (96.45)
177	5.00 - 9.00% of mass 176	6.02 (6.15)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07402.D	03/14/2016	07:52
2	CERT	CERT	07404.D	03/14/2016	09:33
3	VP-104-5_20160211	10338550001	07413.D	03/14/2016	15:03
4	VP-104-10_20160211	10338550002	07414.D	03/14/2016	15:32
5	VP-104-62_20160211	10338550007	07415.D	03/14/2016	15:55

This run was not used to report sample results.

Data File: \\192.168.10.12\chem\10airD.i\031416.b\07402.d
Report Date: 14-Mar-2016 08:44

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 14-MAR-2016 07:52
Lab File ID: 07402.d Init. Cal. Date(s): 12-MAR-2016 12-MAR-2016
Analysis Type: AIR Init. Cal. Times: 09:48 12:18
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airD.i\031416.b\TO15_072-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.75103	0.78710	0.78710	0.010	4.80248	30.00000	Aver	
2 Propylene	10.00000	11.90875	0.27138	0.010	19.08754	30.00000	Quad	
3 Dichlorodifluoromethane	1.81148	1.83849	1.83849	0.010	1.49112	30.00000	Aver	(M)
4 Dichlorotetrafluoroethane	1.67517	1.66641	1.66641	0.010	-0.52254	30.00000	Aver	
5 Chloromethane	0.43984	0.49193	0.49193	0.010	11.84088	30.00000	Aver	
6 Vinyl chloride	0.39894	0.45725	0.45725	0.010	14.61548	30.00000	Aver	
7 1,3-Butadiene	0.21542	0.27618	0.27618	0.010	28.20133	30.00000	Aver	
8 Bromomethane	0.56142	0.60092	0.60092	0.010	7.03575	30.00000	Aver	
9 Chloroethane	0.15810	0.20013	0.20013	0.010	26.58082	30.00000	Aver	(M)
10 Ethanol	0.08941	0.13594	0.13594	0.005	52.04404	30.00000	Aver	<-
11 Vinyl Bromide	0.57049	0.58734	0.58734	0.010	2.95252	30.00000	Aver	
12 Isopentane	0.39976	0.41345	0.41345	0.010	3.42590	30.00000	Aver	(M)
13 Acrolein	25.00000	26.52840	0.13859	0.010	6.11360	30.00000	Line	
14 Trichlorofluoromethane	1.91880	1.95512	1.95512	0.010	1.89276	30.00000	Aver	
15 Acetone	0.66629	0.74142	0.74142	0.010	11.27465	30.00000	Aver	
16 Isopropyl Alcohol	0.60106	0.71033	0.71033	0.010	18.17994	30.00000	Aver	(M)
17 Acrylonitrile	25.00000	24.75573	0.26630	0.010	-0.97707	30.00000	Line	
18 1,1-Dichloroethene	0.85654	0.88376	0.88376	0.010	3.17785	30.00000	Aver	(M)
19 Tert Butyl Alcohol (TBA)	1.02690	1.10597	1.10597	0.010	7.69909	30.00000	Aver	(M)
20 Freon 113	1.26894	1.27486	1.27486	0.010	0.46650	30.00000	Aver	
21 Methylene chloride	0.52678	0.53316	0.53316	0.010	1.21148	30.00000	Aver	(M)
22 Allyl Chloride	0.20833	0.23029	0.23029	0.010	10.53954	30.00000	Aver	
23 Carbon Disulfide	1.50572	1.49378	1.49378	0.010	-0.79348	30.00000	Aver	
24 trans-1,2-dichloroethene	0.51293	0.53475	0.53475	0.010	4.25318	30.00000	Aver	(M)
25 Methyl Tert Butyl Ether	1.55781	1.63385	1.63385	0.010	4.88131	30.00000	Aver	
26 Vinyl Acetate	1.04186	1.20654	1.20654	0.010	15.80637	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.97875	0.96467	0.96467	0.010	-1.43842	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.34238	0.36599	0.36599	0.010	6.89542	30.00000	Aver	
29 Methyl Ethyl Ketone	0.22045	0.24255	0.24255	0.010	10.02330	30.00000	Aver	
30 n-Hexane	0.85985	0.95659	0.95659	0.010	11.25047	30.00000	Aver	(M)
31 Di-isopropyl Ether	1.35145	1.36104	1.36104	0.010	0.70975	30.00000	Aver	
32 Ethyl Acetate	0.91700	0.96628	0.96628	0.010	5.37387	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.58653	0.57878	0.57878	0.010	-1.32100	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	1.56242	1.61490	1.61490	0.010	3.35938	30.00000	Aver	
35 Chloroform	1.52591	1.50488	1.50488	0.010	-1.37851	30.00000	Aver	
36 Tetrahydrofuran	0.39048	0.42590	0.42590	0.010	9.07292	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	1.63104	1.59188	1.59188	0.010	-2.40064	30.00000	Aver	
38 1,2-Dichloroethane	0.97796	1.05356	1.05356	0.010	7.73032	30.00000	Aver	
39 Benzene	10.00000	10.48397	1.70451	0.010	4.83974	30.00000	Line	
40 Carbon tetrachloride	10.00000	10.75587	1.57020	0.010	7.55867	30.00000	Line	
41 Cyclohexane	0.51334	0.59242	0.59242	0.010	15.40366	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	1.66902	1.68560	1.68560	0.010	0.99367	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airD.i\031416.b\07402.d
Report Date: 14-Mar-2016 08:44

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airD.i\031416.b\07402.d
Report Date: 14-Mar-2016 08:44

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 14-MAR-2016 07:52
Lab File ID: 07402.d Init. Cal. Date(s): 12-MAR-2016 12-MAR-2016
Analysis Type: AIR Init. Cal. Times: 09:48 12:18
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airD.i\031416.b\TO15_072-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	1.98373	1.92722	1.92722	0.010	-2.84848	30.00000	Aver	
45 Heptane	0.67891	0.67169	0.67169	0.010	-1.06335	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.56133	0.57264	0.57264	0.010	2.01595	30.00000	Aver	(M)
47 Trichloroethene	0.85732	0.80926	0.80926	0.010	-5.60670	30.00000	Aver	
48 1,4-Dioxane	0.12155	0.30308	0.30308	0.010	149	30.00000	Aver	(M) <-
49 Bromodichloromethane	1.59757	1.62808	1.62808	0.010	1.90983	30.00000	Aver	
50 Methylcyclohexane	0.26972	0.32437	0.32437	0.010	20.26008	30.00000	Aver	
51 Methyl Isobutyl Ketone	1.00115	0.99609	0.99609	0.010	-0.50541	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.95531	1.04238	1.04238	0.010	9.11466	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.79996	1.02573	1.02573	0.010	28.22364	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.85370	0.88764	0.88764	0.010	3.97529	30.00000	Aver	
55 Toluene	2.14741	2.24900	2.24900	0.010	4.73093	30.00000	Aver	
56 1,1,2-Trichloroethane	0.73122	0.82853	0.82853	0.010	13.30844	30.00000	Aver	
57 Methyl Butyl Ketone	1.66856	1.60109	1.60109	0.010	-4.04363	30.00000	Aver	
58 Dibromochloromethane	3.15368	2.99870	2.99870	0.010	-4.91440	30.00000	Aver	
59 1,2-Dibromoethane	2.33555	2.27728	2.27728	0.010	-2.49503	30.00000	Aver	
60 Tetrachloroethene	2.18694	2.05968	2.05968	0.010	-5.81891	30.00000	Aver	
62 Chlorobenzene	2.83038	2.82265	2.82265	0.010	-0.27301	30.00000	Aver	
63 Ethyl Benzene	4.35475	4.59660	4.59660	0.010	5.55368	30.00000	Aver	
64 m&p-Xylene	3.42625	3.61568	3.61568	0.010	5.52869	30.00000	Aver	
65 Bromoform	2.86060	2.82444	2.82444	0.010	-1.26394	30.00000	Aver	
66 Styrene	2.30866	2.42365	2.42365	0.010	4.98072	30.00000	Aver	
67 o-Xylene	3.56390	3.62947	3.62947	0.010	1.84008	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	2.54060	2.34131	2.34131	0.010	-7.84421	30.00000	Aver	
69 Isopropylbenzene	4.47780	4.63264	4.63264	0.010	3.45815	30.00000	Aver	
70 N-Propylbenzene	5.00660	5.38662	5.38662	0.010	7.59031	30.00000	Aver	(M)
71 4-Ethyltoluene	3.80123	4.31242	4.31242	0.010	13.44794	30.00000	Aver	
72 1,3,5-Trimethylbenzene	3.53992	3.74540	3.74540	0.010	5.80452	30.00000	Aver	
73 Tert-Butyl Benzene	3.49704	3.65041	3.65041	0.010	4.38559	30.00000	Aver	
74 1,2,4-Trimethylbenzene	3.36162	3.54188	3.54188	0.010	5.36217	30.00000	Aver	
75 1,3-Dichlorobenzene	2.31964	2.35433	2.35433	0.010	1.49551	30.00000	Aver	
76 Sec- Butylbenzene	4.66850	4.84464	4.84464	0.010	3.77286	30.00000	Aver	
77 1,4-dichlorobenzene-d4 (S)	0.53245	0.53355	0.53355	0.010	0.20759	30.00000	Aver	
78 Benzyl Chloride	2.57892	2.60557	2.60557	0.010	1.03322	30.00000	Aver	(M)
79 1,4-Dichlorobenzene	2.26356	2.17317	2.17317	0.010	-3.99306	30.00000	Aver	
80 p-Isopropyltoluene	3.80287	4.07229	4.07229	0.010	7.08443	30.00000	Aver	
81 1,2,3-Trimethylbenzene	3.23188	3.29971	3.29971	0.010	2.09895	30.00000	Aver	
82 1,2-Dichlorobenzene	1.99831	1.99228	1.99228	0.010	-0.30166	30.00000	Aver	
83 N-Butylbenzene	3.24878	3.43574	3.43574	0.010	5.75454	30.00000	Aver	
84 1,2,4-Trichlorobenzene	10.00000	7.23044	0.77122	0.010	-27.69562	30.00000	Line	(M)
85 Naphthalene	10.00000	7.46617	1.22475	0.010	-25.33828	30.00000	Line	
86 Hexachlorobutadiene	1.41193	1.24664	1.24664	0.010	-11.70681	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airD.i\031416.b\07402.d
Report Date: 14-Mar-2016 08:44

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 9.13824
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

DATA USABILITY SUMMARY REPORT
FEBRUARY 2016 AIR SAMPLES
PROJECT: LMC GREAT NECK
NEW YORK
DATE SAMPLES COLLECTED: FEBRUARY 16, 2016
LAB REPORT No. 10338962

1.0 INTRODUCTION

Seven air samples were collected by Tetra Tech, Inc., at the Lockheed Martin Great Neck site on February 16, 2016. The samples were sent to Pace Analytical Services, Inc. in Minneapolis, Minnesota. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation was conducted using USEPA Region II Standard Operating Procedure (SOP) HW-31, June 2014, Revision 6.

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- Data Completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- * ● Initial/Continuing Calibrations
- Laboratory Method Blank Results
- * ● Internal Standard Results
- * ● Laboratory Control Sample Results
- * ● Compound Identification/Quantitation
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 10338962

<u>Sample ID</u>	<u>Lab ID</u>	<u>Date Collected</u>	<u>Test Requested</u>
VP-107_13_20160216	10338962002	2/16/2016	VOCs
VP-107_20_20160216	10338962003	2/16/2016	VOCs
VP-107_33.5_20160216	10338962004	2/16/2016	VOCs
VP-107_44_20160216	10338962005	2/16/2016	VOCs
VP-107_5_20160216	10338962001	2/16/2016	VOCs
VP-107_60_20160216	10338962006	2/16/2016	VOCs
VP-107_74_20160216	10338962007	2/16/2016	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

Due to laboratory oversight, the samples in this report were not analyzed for compounds pentafluoroethyl chloride (Freon 115), 1,1,-dichloro-2,2,2-trifluoroethane (Freon 123), 1,1-difluoroethane, and methyl acetate. No validation action was taken.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- All project samples were properly preserved and analyzed within the required hold time for VOC analyses.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- All initial and continuing calibration Relative Response Factors (RRFs), Percent Relative Standard Deviations (%RSDs), Percent Differences (%Ds) and/or Percent Drifts (Drifts) were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set. However, as stated by the laboratory, detected results reported for the common laboratory contaminant, methylene chloride, should be considered with high bias because the organic solvent vapor extraction laboratory is in the same building. The detected methylene chloride results reported for the samples in this DUSR were qualified as biased high, estimated, (J+).

Internal Standards Area Performance:

- The internal standard area counts and retention times fell within control limits for the project samples received and reviewed.

Laboratory Control Spike (LCS) Results:

- The LCS results were within the quality control limits.

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Detection Limits: Non-detected results were reported to the RL. All samples were initially analyzed at dilutions ranging from 1.68X to 2.01X, resulting in elevated reporting limits.

- Due to laboratory oversight, samples were discarded before the samples could be diluted and reanalyzed for compounds which exceeded the linear calibration range of the instrument. The detected results were qualified as estimated, (J). The following samples were affected:

<u>Sample</u>	<u>Compound(s)</u>
VP-107_13_20160216	Trichloroethene
VP-107_20_20160216	1,1,2-Trichloroethane
	Chloroform
	cis-1,2-Dichloroethene
	Tetrachloroethene
	Trichloroethene
	Trichlorofluoromethane
VP-107_33.5_20160216	1,1,2-Trichlorotrifluoroethane
	cis-1,2-Dichloroethene
	Tetrachloroethene
	Trichloroethene
VP-107_44_20160216	1,1,2-Trichlorotrifluoroethane
	cis-1,2-Dichloroethene
	Tetrachloroethene
	Trichloroethene

VP-107_60_20160216	cis-1,2-Dichloroethene Tetrachloroethene Trichloroethene
VP-107_74_20160216	cis-1,2-Dichloroethene Tetrachloroethene Trichloroethene

- As stated in the laboratory case narrative, possible carryover of trichloroethene occurred in samples VP-107_60_20160216 and VP-107_74_20160216. Due to the laboratory oversight, the samples were not diluted and reanalyzed. The detected results reported for trichloroethene in these samples were qualified as estimated, (J).

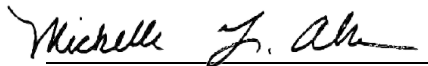
Additional Comments: All sample canisters contained an initial vacuum of approximately -28 to -30 psig and finished at -8 to -10 psig.

4.0 CONCLUSIONS

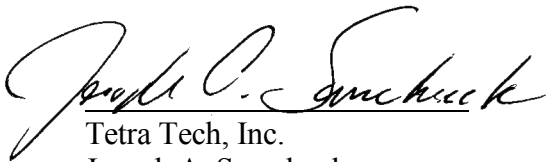
The detected results for methylene chloride should be considered a probable laboratory contaminant because of the following:

- The samples were analyzed in the same building as the organic solvent vapor extraction laboratory.

With the exception of the aforementioned detected methylene chloride results, based on the outcome of data validation and as summarized in the DUSR, the data quality is acceptable with the qualifiers noted in this report.



Tetra Tech, Inc.
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Chemist/Data Validator



Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

June 13, 2016

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07792 SDG: 10338962 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-107_13_20160216			VP-107_20_20160216			VP-107_33.5_20160216			VP-107_44_20160216		
	LAB_ID	10338962002			10338962003			10338962004			10338962005		
	SAMP_DATE	2/16/2016			2/16/2016			2/16/2016			2/16/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U		1.9	U		2	U		2	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U		1.2	U		1.3	U		1.3	U	
1,1,2-TRICHLOROETHANE		0.96	U		152	J	L	66.2			24.5		
1,1,2-TRICHLOROTRIFLUOROETHANE		59.4			4750			2480	J	L	454	J	L
1,1-DICHLOROETHANE		1.4	U		2			1.6			1.5	U	
1,1-DICHLOROETHENE		1.4	U		202			129			16.4		
1,2,4-TRICHLOROBENZENE		13.2	U		12.7	U		13.8	U		13.8	U	
1,2,4-TRIMETHYLBENZENE		1.7	U		1.7	U		1.8	U		1.8	U	
1,2-DIBROMOETHANE		2.7	U		2.6	U		2.9	U		2.9	U	
1,2-DICHLOROBENZENE		2.1	U		9.2			2.2	U		2.2	U	
1,2-DICHLOROETHANE		0.72	U		2			1			0.75	U	
1,2-DICHLOROPROPANE		1.6	U		1.6	U		1.7	U		1.7	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.5	U		2.4	U		2.6	U		2.6	U	
1,3,5-TRIMETHYLBENZENE		1.7	U		1.7	U		1.8	U		1.8	U	
1,3-BUTADIENE		0.79	U		0.76	U		0.82	U		0.82	U	
1,3-DICHLOROBENZENE		2.1	U		2	U		2.2	U		2.2	U	
1,4-DICHLOROBENZENE		2.1	U		2	U		2.2	U		2.2	U	
1,4-DIOXANE		6.4	U		6.1	U		6.7	U		6.7	U	
1-ETHYL-4-METHYL BENZENE		1.8	U		1.7	U		1.8	U		1.8	U	
2-BUTANONE		5.2	U		5	U		7.5			5.5	U	
2-HEXANONE		7.3	U		7	U		7.6	U		7.6	U	
3-CHLOROPROPENE		2.8	U		2.7	U		2.9	U		2.9	U	
4-METHYL-2-PENTANONE		7.3	U		7	U		7.6	U		7.6	U	
ACETONE		22.7			32.7			25.6			6.3		
BENZENE		1.1	U		2.6			1.2	U		1.2	U	
BROMODICHLOROMETHANE		2.4	U		2.3	U		2.5	U		2.5	U	
BROMOFORM		3.7	U		3.5	U		3.8	U		3.8	U	
BROMOMETHANE		1.4	U		1.3	U		1.4	U		1.4	U	
CARBON DISULFIDE		1.1	U		1.5			1.4			1.2	U	
CARBON TETRACHLORIDE		1.1	U		1.2			1.7			1.6		
CHLOROBENZENE		1.6	U		4.1			2.5			1.7	U	
CHLORODIBROMOMETHANE		3	U		2.9	U		3.2	U		3.2	U	
CHLORODIFLUOROMETHANE		4.2			204			200			137		
CHLOROETHANE		0.94	U		0.91	U		0.99	U		0.99	U	
CHLOROFORM		3.2			425	J	L	223			119		

PROJ_NO: 07792 SDG: 10338962 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-107_5_20160216			VP-107_60_20160216			VP-107_74_20160216		
	LAB_ID	10338962001			10338962006			10338962007		
	SAMP_DATE	2/16/2016			2/16/2016			2/16/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		2	U		2.2	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.3	U		1.4	U		1.2	U	
1,1,2-TRICHLOROETHANE		1	U		6.4			5.2		
1,1,2-TRICHLOROTRIFLUOROETHANE		2.9	U		133			176		
1,1-DICHLOROETHANE		1.5	U		1.6	U		1.4	U	
1,1-DICHLOROETHENE		1.5	U		1.6	U		1.4	U	
1,2,4-TRICHLOROBENZENE		13.8	U		15.2	U		13.2	U	
1,2,4-TRIMETHYLBENZENE		1.8	U		2	U		1.7	U	
1,2-DIBROMOETHANE		2.9	U		3.1	U		2.7	U	
1,2-DICHLOROBENZENE		2.2	U		2.5	U		2.1	U	
1,2-DICHLOROETHANE		0.75	U		0.82	U		0.72	U	
1,2-DICHLOROPROPANE		1.7	U		1.9	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.6	U		2.9	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		1.8	U		2	U		1.7	U	
1,3-BUTADIENE		0.82	U		0.9	U		0.79	U	
1,3-DICHLOROBENZENE		2.2	U		2.5	U		2.1	U	
1,4-DICHLOROBENZENE		2.2	U		2.5	U		2.1	U	
1,4-DIOXANE		6.7	U		7.4	U		6.4	U	
1-ETHYL-4-METHYL BENZENE		1.8	U		2	U		1.8	U	
2-BUTANONE		5.5	U		6	U		5.2	U	
2-HEXANONE		7.6	U		8.4	U		7.3	U	
3-CHLOROPROPENE		2.9	U		3.2	U		2.8	U	
4-METHYL-2-PENTANONE		7.6	U		8.4	U		7.3	U	
ACETONE		74.5			11.9			22.2		
BENZENE		1.2	U		1.3	U		1.1	U	
BROMODICHLOROMETHANE		2.5	U		2.7	U		2.4	U	
BROMOFORM		3.8	U		4.2	U		3.7	U	
BROMOMETHANE		1.4	U		1.6	U		1.4	U	
CARBON DISULFIDE		1.2	U		1.3	U		1.1	U	
CARBON TETRACHLORIDE		1.2	U		1.5			1.4		
CHLOROBENZENE		1.7	U		1.9	U		1.6	U	
CHLORODIBROMOMETHANE		3.2	U		3.5	U		3	U	
CHLORODIFLUOROMETHANE		3.1			150			154		
CHLOROETHANE		0.99	U		1.1	U		0.94	U	
CHLOROFORM		1.8	U		90.3			80.4		

PROJ_NO: 07792 SDG: 10338962 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-107_13_20160216			VP-107_20_20160216			VP-107_33.5_20160216			VP-107_44_20160216		
	LAB_ID	10338962002			10338962003			10338962004			10338962005		
	SAMP_DATE	2/16/2016			2/16/2016			2/16/2016			2/16/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLOROMETHANE		0.74	U		0.71	U		0.84			0.77	U	
CIS-1,2-DICHLOROETHENE		15.6			1470	J	L	998	J	L	612	J	L
CIS-1,3-DICHLOROPROPENE		1.6	U		1.5	U		1.7	U		1.7	U	
CYCLOHEXANE		1.2	U		2.7			2.1			1.3	U	
DICHLORODIFLUOROMETHANE		2.5			6.4			4.4			2.2		
ETHYLBENZENE		1.5	U		3.2			1.8			1.6	U	
HEXACHLOROBUTADIENE		19	U		18.2	U		19.9	U		19.9	U	
HEXANE		1.3	U		5.4			3.8			1.3	U	
ISOPROPANOL		4.4	U		4.2	U		4.6	U		4.6	U	
ISOPROPYLBENZENE		4.4	U		4.2	U		4.6	U		4.6	U	
M+P-XYLENES		3.1	U		3	U		3.2	U		3.2	U	
METHYL CYCLOHEXANE		1.4	U		1.4	U		1.5	U		1.5	U	
METHYL TERT-BUTYL ETHER		6.4	U		6.2	U		6.7	U		6.7	U	
METHYLENE CHLORIDE		6.2	U		238	J+	A	6.5	U		6.5	U	
O-XYLENE		1.5	U		2			1.6	U		1.6	U	
STYRENE		1.5	U		1.5	U		1.6	U		1.6	U	
TETRACHLOROETHENE		32.9			2410	J	L	1840	J	L	1190	J	L
TOLUENE		2			104			57.1			6.7		
TRANS-1,2-DICHLOROETHENE		1.4	U		229			155			27.6		
TRANS-1,3-DICHLOROPROPENE		1.6	U		1.5	U		1.7	U		1.7	U	
TRICHLOROETHENE		2700	J	L	6650	J	L	5630	J	L	6730	J	L
TRICHLOROFLUOROMETHANE		4.1			635	J	L	291			69.1		
VINYL CHLORIDE		0.46	U		4.8			3.2			0.48	U	

PROJ_NO: 07792 SDG: 10338962 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-107_5_20160216			VP-107_60_20160216			VP-107_74_20160216		
	LAB_ID	10338962001			10338962006			10338962007		
	SAMP_DATE	2/16/2016			2/16/2016			2/16/2016		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS									
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLOROMETHANE		1.1			0.84	U		0.74	U	
CIS-1,2-DICHLOROETHENE		1.5	U		416	J	L	338	J	L
CIS-1,3-DICHLOROPROPENE		1.7	U		1.8	U		1.6	U	
CYCLOHEXANE		1.3	U		1.4	U		1.2	U	
DICHLORODIFLUOROMETHANE		2.4			2.2			2.1		
ETHYLBENZENE		2.5			1.8	U		1.5	U	
HEXACHLOROBUTADIENE		19.9	U		21.8	U		19	U	
HEXANE		1.3	U		1.4	U		1.3	U	
ISOPROPANOL		33.6			5	U		80.7		
ISOPROPYLBENZENE		4.6	U		5	U		4.4	U	
M+P-XYLENES		11.3			7.7			3.1	U	
METHYL CYCLOHEXANE		1.5	U		1.6	U		1.4	U	
METHYL TERT-BUTYL ETHER		6.7	U		7.4	U		6.4	U	
METHYLENE CHLORIDE		8.1	J+	A	7.1	U		6.2	U	
O-XYLENE		3			2.3			1.5	U	
STYRENE		1.6	U		1.7	U		1.5	U	
TETRACHLOROETHENE		1.3	U		919	J	L	762	J	L
TOLUENE		20.3			7.1			2.2		
TRANS-1,2-DICHLOROETHENE		1.5	U		6.5			5.1		
TRANS-1,3-DICHLOROPROPENE		1.7	U		1.8	U		1.6	U	
TRICHLOROETHENE		1	U		2910	J	LQ	2070	J	LQ
TRICHLOROFLUOROMETHANE		2.1	U		24.9			22.6		
VINYL CHLORIDE		0.48	U		0.52	U		0.46	U	

Appendix B

Results as Reported by the Laboratory

ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_5_20160216		Lab ID: 10338962001		Collected: 02/16/16 21:20		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	74.5	ug/m3	4.4	1.83		03/14/16 13:42	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/14/16 13:42	107-05-1		
Benzene	ND	ug/m3	1.2	1.83		03/14/16 13:42	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/14/16 13:42	75-27-4		
Bromoform	ND	ug/m3	3.8	1.83		03/14/16 13:42	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/14/16 13:42	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/14/16 13:42	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/14/16 13:42	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/14/16 13:42	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/14/16 13:42	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/14/16 13:42	108-90-7		
Chlorodifluoromethane	3.1	ug/m3	1.3	1.83		03/14/16 13:42	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/14/16 13:42	75-00-3		
Chloroform	ND	ug/m3	1.8	1.83		03/14/16 13:42	67-66-3		
Chloromethane	1.1	ug/m3	0.77	1.83		03/14/16 13:42	74-87-3		
Cyclohexane	ND	ug/m3	1.3	1.83		03/14/16 13:42	110-82-7		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/14/16 13:42	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/14/16 13:42	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 13:42	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 13:42	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 13:42	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.83		03/14/16 13:42	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/14/16 13:42	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/14/16 13:42	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/14/16 13:42	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/14/16 13:42	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/14/16 13:42	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/14/16 13:42	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 13:42	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 13:42	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/14/16 13:42	123-91-1		
Ethylbenzene	2.5	ug/m3	1.6	1.83		03/14/16 13:42	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/14/16 13:42	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/14/16 13:42	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/14/16 13:42	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/14/16 13:42	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/14/16 13:42	98-82-8		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/14/16 13:42	108-87-2		
Methylene Chloride	8.1	ug/m3	6.5	1.83		03/14/16 13:42	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/14/16 13:42	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/14/16 13:42	1634-04-4		
2-Propanol	33.6	ug/m3	4.6	1.83		03/14/16 13:42	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/14/16 13:42	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/14/16 13:42	79-34-5		
Tetrachloroethene	ND	ug/m3	1.3	1.83		03/14/16 13:42	127-18-4		
Toluene	20.3	ug/m3	1.4	1.83		03/14/16 13:42	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/14/16 13:42	120-82-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_5_20160216		Lab ID: 10338962001	Collected: 02/16/16 21:20		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/14/16 13:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/14/16 13:42	79-00-5	
Trichloroethene	ND	ug/m3	1.0	1.83		03/14/16 13:42	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/14/16 13:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/14/16 13:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 13:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 13:42	108-67-8	
Vinyl chloride	ND	ug/m3	0.48	1.83		03/14/16 13:42	75-01-4	
m&p-Xylene	11.3	ug/m3	3.2	1.83		03/14/16 13:42	179601-23-1	
o-Xylene	3.0	ug/m3	1.6	1.83		03/14/16 13:42	95-47-6	

Sample: VP-107_13_20160216		Lab ID: 10338962002	Collected: 02/16/16 21:35		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	22.7	ug/m3	4.2	1.75		03/14/16 14:14	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75		03/14/16 14:14	107-05-1	
Benzene	ND	ug/m3	1.1	1.75		03/14/16 14:14	71-43-2	
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/14/16 14:14	75-27-4	
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 14:14	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 14:14	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 14:14	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/14/16 14:14	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 14:14	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/14/16 14:14	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 14:14	108-90-7	
Chlorodifluoromethane	4.2	ug/m3	1.3	1.75		03/14/16 14:14	75-45-6	
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 14:14	75-00-3	
Chloroform	3.2	ug/m3	1.7	1.75		03/14/16 14:14	67-66-3	
Chloromethane	ND	ug/m3	0.74	1.75		03/14/16 14:14	74-87-3	
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 14:14	110-82-7	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 14:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 14:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 14:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 14:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 14:14	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.8	1.75		03/14/16 14:14	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 14:14	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 14:14	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 14:14	75-35-4	
cis-1,2-Dichloroethene	15.6	ug/m3	1.4	1.75		03/14/16 14:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 14:14	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 14:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 14:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 14:14	10061-02-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_13_20160216		Lab ID: 10338962002		Collected: 02/16/16 21:35		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 14:14	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/14/16 14:14	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/14/16 14:14	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 14:14	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/14/16 14:14	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 14:14	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 14:14	98-82-8		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 14:14	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/14/16 14:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 14:14	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 14:14	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/14/16 14:14	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 14:14	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 14:14	79-34-5		
Tetrachloroethene	32.9	ug/m3	1.2	1.75		03/14/16 14:14	127-18-4		
Toluene	2.0	ug/m3	1.3	1.75		03/14/16 14:14	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 14:14	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 14:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/14/16 14:14	79-00-5		
Trichloroethene	2700	ug/m3	0.96	1.75		03/14/16 14:14	79-01-6	E	
Trichlorofluoromethane	4.1	ug/m3	2.0	1.75		03/14/16 14:14	75-69-4		
1,1,2-Trichlorotrifluoroethane	59.4	ug/m3	2.8	1.75		03/14/16 14:14	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 14:14	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 14:14	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/14/16 14:14	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/14/16 14:14	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/14/16 14:14	95-47-6		

Sample: VP-107_20_20160216		Lab ID: 10338962003		Collected: 02/16/16 21:52		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	32.7	ug/m3	4.0	1.68		03/14/16 14:45	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/14/16 14:45	107-05-1		
Benzene	2.6	ug/m3	1.1	1.68		03/14/16 14:45	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/14/16 14:45	75-27-4		
Bromoform	ND	ug/m3	3.5	1.68		03/14/16 14:45	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/14/16 14:45	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/14/16 14:45	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/14/16 14:45	78-93-3		
Carbon disulfide	1.5	ug/m3	1.1	1.68		03/14/16 14:45	75-15-0		
Carbon tetrachloride	1.2	ug/m3	1.1	1.68		03/14/16 14:45	56-23-5		
Chlorobenzene	4.1	ug/m3	1.6	1.68		03/14/16 14:45	108-90-7		
Chlorodifluoromethane	204	ug/m3	1.2	1.68		03/14/16 14:45	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/14/16 14:45	75-00-3		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_20_20160216		Lab ID: 10338962003		Collected: 02/16/16 21:52		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Chloroform	425	ug/m3	1.7	1.68		03/14/16 14:45	67-66-3	E	
Chloromethane	ND	ug/m3	0.71	1.68		03/14/16 14:45	74-87-3		
Cyclohexane	2.7	ug/m3	1.2	1.68		03/14/16 14:45	110-82-7		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/14/16 14:45	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/14/16 14:45	106-93-4		
1,2-Dichlorobenzene	9.2	ug/m3	2.0	1.68		03/14/16 14:45	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/14/16 14:45	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/14/16 14:45	106-46-7		
Dichlorodifluoromethane	6.4	ug/m3	1.7	1.68		03/14/16 14:45	75-71-8		
1,1-Dichloroethane	2.0	ug/m3	1.4	1.68		03/14/16 14:45	75-34-3		
1,2-Dichloroethane	2.0	ug/m3	0.69	1.68		03/14/16 14:45	107-06-2		
1,1-Dichloroethene	202	ug/m3	1.4	1.68		03/14/16 14:45	75-35-4		
cis-1,2-Dichloroethene	1470	ug/m3	1.4	1.68		03/14/16 14:45	156-59-2	E	
trans-1,2-Dichloroethene	229	ug/m3	1.4	1.68		03/14/16 14:45	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/14/16 14:45	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/14/16 14:45	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/14/16 14:45	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/14/16 14:45	123-91-1		
Ethylbenzene	3.2	ug/m3	1.5	1.68		03/14/16 14:45	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/14/16 14:45	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	18.2	1.68		03/14/16 14:45	87-68-3		
n-Hexane	5.4	ug/m3	1.2	1.68		03/14/16 14:45	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/14/16 14:45	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/14/16 14:45	98-82-8		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/14/16 14:45	108-87-2		
Methylene Chloride	238	ug/m3	5.9	1.68		03/14/16 14:45	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/14/16 14:45	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/14/16 14:45	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/14/16 14:45	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/14/16 14:45	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/14/16 14:45	79-34-5		
Tetrachloroethene	2410	ug/m3	1.2	1.68		03/14/16 14:45	127-18-4	E	
Toluene	104	ug/m3	1.3	1.68		03/14/16 14:45	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	12.7	1.68		03/14/16 14:45	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/14/16 14:45	71-55-6		
1,1,2-Trichloroethane	152	ug/m3	0.92	1.68		03/14/16 14:45	79-00-5		
Trichloroethene	6650	ug/m3	0.92	1.68		03/14/16 14:45	79-01-6	E	
Trichlorofluoromethane	635	ug/m3	1.9	1.68		03/14/16 14:45	75-69-4	E	
1,1,2-Trichlorotrifluoroethane	4750	ug/m3	2.7	1.68		03/14/16 14:45	76-13-1	E	
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/14/16 14:45	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/14/16 14:45	108-67-8		
Vinyl chloride	4.8	ug/m3	0.44	1.68		03/14/16 14:45	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/14/16 14:45	179601-23-1		
o-Xylene	2.0	ug/m3	1.5	1.68		03/14/16 14:45	95-47-6		
Surrogates									
Toluene-d8 (S)	447	%.	75-125	1.68		03/14/16 14:45	2037-26-5		
1,4-Dichlorobenzene-d4 (S)	566	%.	59-125	1.68		03/14/16 14:45	3855-82-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_20_20160216		Lab ID: 10338962003		Collected: 02/16/16 21:52		Received: 02/18/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Surrogates									
Hexane-d14 (S)	514	%.	75-125	1.68		03/14/16 14:45	21666-38-6		

Sample: VP-107_33.5_20160216		Lab ID: 10338962004		Collected: 02/16/16 22:20		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	25.6	ug/m3	4.4	1.83		03/14/16 15:17	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/14/16 15:17	107-05-1		
Benzene	ND	ug/m3	1.2	1.83		03/14/16 15:17	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/14/16 15:17	75-27-4		
Bromoform	ND	ug/m3	3.8	1.83		03/14/16 15:17	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/14/16 15:17	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/14/16 15:17	106-99-0		
2-Butanone (MEK)	7.5	ug/m3	5.5	1.83		03/14/16 15:17	78-93-3		
Carbon disulfide	1.4	ug/m3	1.2	1.83		03/14/16 15:17	75-15-0		
Carbon tetrachloride	1.7	ug/m3	1.2	1.83		03/14/16 15:17	56-23-5		
Chlorobenzene	2.5	ug/m3	1.7	1.83		03/14/16 15:17	108-90-7		
Chlorodifluoromethane	200	ug/m3	1.3	1.83		03/14/16 15:17	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/14/16 15:17	75-00-3		
Chloroform	223	ug/m3	1.8	1.83		03/14/16 15:17	67-66-3		
Chloromethane	0.84	ug/m3	0.77	1.83		03/14/16 15:17	74-87-3		
Cyclohexane	2.1	ug/m3	1.3	1.83		03/14/16 15:17	110-82-7		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/14/16 15:17	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/14/16 15:17	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 15:17	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 15:17	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 15:17	106-46-7		
Dichlorodifluoromethane	4.4	ug/m3	1.8	1.83		03/14/16 15:17	75-71-8		
1,1-Dichloroethane	1.6	ug/m3	1.5	1.83		03/14/16 15:17	75-34-3		
1,2-Dichloroethane	1.0	ug/m3	0.75	1.83		03/14/16 15:17	107-06-2		
1,1-Dichloroethene	129	ug/m3	1.5	1.83		03/14/16 15:17	75-35-4		
cis-1,2-Dichloroethene	998	ug/m3	1.5	1.83		03/14/16 15:17	156-59-2	E	
trans-1,2-Dichloroethene	155	ug/m3	1.5	1.83		03/14/16 15:17	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/14/16 15:17	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 15:17	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 15:17	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/14/16 15:17	123-91-1		
Ethylbenzene	1.8	ug/m3	1.6	1.83		03/14/16 15:17	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/14/16 15:17	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/14/16 15:17	87-68-3		
n-Hexane	3.8	ug/m3	1.3	1.83		03/14/16 15:17	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/14/16 15:17	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/14/16 15:17	98-82-8		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/14/16 15:17	108-87-2		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_33.5_20160216		Lab ID: 10338962004		Collected: 02/16/16 22:20		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methylene Chloride	ND	ug/m3	6.5	1.83		03/14/16 15:17	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/14/16 15:17	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/14/16 15:17	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/14/16 15:17	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/14/16 15:17	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/14/16 15:17	79-34-5		
Tetrachloroethene	1840	ug/m3	1.3	1.83		03/14/16 15:17	127-18-4	E	
Toluene	57.1	ug/m3	1.4	1.83		03/14/16 15:17	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/14/16 15:17	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/14/16 15:17	71-55-6		
1,1,2-Trichloroethane	66.2	ug/m3	1.0	1.83		03/14/16 15:17	79-00-5		
Trichloroethene	5630	ug/m3	1.0	1.83		03/14/16 15:17	79-01-6	E	
Trichlorofluoromethane	291	ug/m3	2.1	1.83		03/14/16 15:17	75-69-4		
1,1,2-Trichlorotrifluoroethane	2480	ug/m3	2.9	1.83		03/14/16 15:17	76-13-1	E	
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 15:17	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 15:17	108-67-8		
Vinyl chloride	3.2	ug/m3	0.48	1.83		03/14/16 15:17	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/14/16 15:17	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/14/16 15:17	95-47-6		

Sample: VP-107_44_20160216		Lab ID: 10338962005		Collected: 02/16/16 21:29		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	6.3	ug/m3	4.4	1.83		03/14/16 15:49	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/14/16 15:49	107-05-1		
Benzene	ND	ug/m3	1.2	1.83		03/14/16 15:49	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/14/16 15:49	75-27-4		
Bromoform	ND	ug/m3	3.8	1.83		03/14/16 15:49	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/14/16 15:49	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/14/16 15:49	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/14/16 15:49	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/14/16 15:49	75-15-0		
Carbon tetrachloride	1.6	ug/m3	1.2	1.83		03/14/16 15:49	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/14/16 15:49	108-90-7		
Chlorodifluoromethane	137	ug/m3	1.3	1.83		03/14/16 15:49	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/14/16 15:49	75-00-3		
Chloroform	119	ug/m3	1.8	1.83		03/14/16 15:49	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/14/16 15:49	74-87-3		
Cyclohexane	ND	ug/m3	1.3	1.83		03/14/16 15:49	110-82-7		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/14/16 15:49	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/14/16 15:49	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 15:49	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 15:49	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/14/16 15:49	106-46-7		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_44_20160216		Lab ID: 10338962005		Collected: 02/16/16 21:29		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Dichlorodifluoromethane	2.2	ug/m3	1.8	1.83		03/14/16 15:49	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/14/16 15:49	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/14/16 15:49	107-06-2		
1,1-Dichloroethene	16.4	ug/m3	1.5	1.83		03/14/16 15:49	75-35-4		
cis-1,2-Dichloroethene	612	ug/m3	1.5	1.83		03/14/16 15:49	156-59-2	E	
trans-1,2-Dichloroethene	27.6	ug/m3	1.5	1.83		03/14/16 15:49	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/14/16 15:49	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 15:49	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/14/16 15:49	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/14/16 15:49	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/14/16 15:49	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/14/16 15:49	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.9	1.83		03/14/16 15:49	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/14/16 15:49	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/14/16 15:49	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/14/16 15:49	98-82-8		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/14/16 15:49	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/14/16 15:49	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/14/16 15:49	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/14/16 15:49	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/14/16 15:49	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/14/16 15:49	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/14/16 15:49	79-34-5		
Tetrachloroethene	1190	ug/m3	1.3	1.83		03/14/16 15:49	127-18-4	E	
Toluene	6.7	ug/m3	1.4	1.83		03/14/16 15:49	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.8	1.83		03/14/16 15:49	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/14/16 15:49	71-55-6		
1,1,2-Trichloroethane	24.5	ug/m3	1.0	1.83		03/14/16 15:49	79-00-5		
Trichloroethene	6730	ug/m3	1.0	1.83		03/14/16 15:49	79-01-6	E	
Trichlorofluoromethane	69.1	ug/m3	2.1	1.83		03/14/16 15:49	75-69-4		
1,1,2-Trichlorotrifluoroethane	454	ug/m3	2.9	1.83		03/14/16 15:49	76-13-1	E	
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 15:49	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/14/16 15:49	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/14/16 15:49	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/14/16 15:49	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/14/16 15:49	95-47-6		

Sample: VP-107_60_20160216		Lab ID: 10338962006		Collected: 02/16/16 22:55		Received: 02/18/16 10:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	11.9	ug/m3	4.8	2.01		03/14/16 16:20	67-64-1		
Allyl chloride	ND	ug/m3	3.2	2.01		03/14/16 16:20	107-05-1		
Benzene	ND	ug/m3	1.3	2.01		03/14/16 16:20	71-43-2		
Bromodichloromethane	ND	ug/m3	2.7	2.01		03/14/16 16:20	75-27-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_60_20160216		Lab ID: 10338962006		Collected: 02/16/16 22:55		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromoform	ND	ug/m3	4.2	2.01		03/14/16 16:20	75-25-2		
Bromomethane	ND	ug/m3	1.6	2.01		03/14/16 16:20	74-83-9		
1,3-Butadiene	ND	ug/m3	0.90	2.01		03/14/16 16:20	106-99-0		
2-Butanone (MEK)	ND	ug/m3	6.0	2.01		03/14/16 16:20	78-93-3		
Carbon disulfide	ND	ug/m3	1.3	2.01		03/14/16 16:20	75-15-0		
Carbon tetrachloride	1.5	ug/m3	1.3	2.01		03/14/16 16:20	56-23-5		
Chlorobenzene	ND	ug/m3	1.9	2.01		03/14/16 16:20	108-90-7		
Chlorodifluoromethane	150	ug/m3	1.4	2.01		03/14/16 16:20	75-45-6		
Chloroethane	ND	ug/m3	1.1	2.01		03/14/16 16:20	75-00-3		
Chloroform	90.3	ug/m3	2.0	2.01		03/14/16 16:20	67-66-3		
Chloromethane	ND	ug/m3	0.84	2.01		03/14/16 16:20	74-87-3		
Cyclohexane	ND	ug/m3	1.4	2.01		03/14/16 16:20	110-82-7		
Dibromochloromethane	ND	ug/m3	3.5	2.01		03/14/16 16:20	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.1	2.01		03/14/16 16:20	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/14/16 16:20	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/14/16 16:20	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/14/16 16:20	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	2.0	2.01		03/14/16 16:20	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	2.01		03/14/16 16:20	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.82	2.01		03/14/16 16:20	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.6	2.01		03/14/16 16:20	75-35-4		
cis-1,2-Dichloroethene	416	ug/m3	1.6	2.01		03/14/16 16:20	156-59-2	E	
trans-1,2-Dichloroethene	6.5	ug/m3	1.6	2.01		03/14/16 16:20	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.9	2.01		03/14/16 16:20	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.8	2.01		03/14/16 16:20	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.8	2.01		03/14/16 16:20	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.4	2.01		03/14/16 16:20	123-91-1		
Ethylbenzene	ND	ug/m3	1.8	2.01		03/14/16 16:20	100-41-4		
4-Ethyltoluene	ND	ug/m3	2.0	2.01		03/14/16 16:20	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	21.8	2.01		03/14/16 16:20	87-68-3		
n-Hexane	ND	ug/m3	1.4	2.01		03/14/16 16:20	110-54-3		
2-Hexanone	ND	ug/m3	8.4	2.01		03/14/16 16:20	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	5.0	2.01		03/14/16 16:20	98-82-8		
Methylcyclohexane	ND	ug/m3	1.6	2.01		03/14/16 16:20	108-87-2		
Methylene Chloride	ND	ug/m3	7.1	2.01		03/14/16 16:20	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.4	2.01		03/14/16 16:20	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.4	2.01		03/14/16 16:20	1634-04-4		
2-Propanol	ND	ug/m3	5.0	2.01		03/14/16 16:20	67-63-0		
Styrene	ND	ug/m3	1.7	2.01		03/14/16 16:20	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.4	2.01		03/14/16 16:20	79-34-5		
Tetrachloroethene	919	ug/m3	1.4	2.01		03/14/16 16:20	127-18-4	E	
Toluene	7.1	ug/m3	1.5	2.01		03/14/16 16:20	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	15.2	2.01		03/14/16 16:20	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.2	2.01		03/14/16 16:20	71-55-6		
1,1,2-Trichloroethane	6.4	ug/m3	1.1	2.01		03/14/16 16:20	79-00-5		
Trichloroethene	2910	ug/m3	1.1	2.01		03/14/16 16:20	79-01-6	C8	
Trichlorofluoromethane	24.9	ug/m3	2.3	2.01		03/14/16 16:20	75-69-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_60_20160216		Lab ID: 10338962006		Collected: 02/16/16 22:55		Received: 02/18/16 10:00		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15								
1,1,2-Trichlorotrifluoroethane		133	ug/m3	3.2	2.01			03/14/16 16:20	76-13-1	
1,2,4-Trimethylbenzene		ND	ug/m3	2.0	2.01			03/14/16 16:20	95-63-6	
1,3,5-Trimethylbenzene		ND	ug/m3	2.0	2.01			03/14/16 16:20	108-67-8	
Vinyl chloride		ND	ug/m3	0.52	2.01			03/14/16 16:20	75-01-4	
m&p-Xylene		7.7	ug/m3	3.6	2.01			03/14/16 16:20	179601-23-1	
o-Xylene		2.3	ug/m3	1.8	2.01			03/14/16 16:20	95-47-6	

Sample: VP-107_74_20160216		Lab ID: 10338962007		Collected: 02/16/16 21:42		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	22.2	ug/m3	4.2	1.75		03/14/16 16:52	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/14/16 16:52	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		03/14/16 16:52	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/14/16 16:52	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/14/16 16:52	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/14/16 16:52	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/14/16 16:52	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/14/16 16:52	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/14/16 16:52	75-15-0		
Carbon tetrachloride	1.4	ug/m3	1.1	1.75		03/14/16 16:52	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/14/16 16:52	108-90-7		
Chlorodifluoromethane	154	ug/m3	1.3	1.75		03/14/16 16:52	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/14/16 16:52	75-00-3		
Chloroform	80.4	ug/m3	1.7	1.75		03/14/16 16:52	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/14/16 16:52	74-87-3		
Cyclohexane	ND	ug/m3	1.2	1.75		03/14/16 16:52	110-82-7		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/14/16 16:52	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/14/16 16:52	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 16:52	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 16:52	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/14/16 16:52	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.8	1.75		03/14/16 16:52	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/14/16 16:52	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/14/16 16:52	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/14/16 16:52	75-35-4		
cis-1,2-Dichloroethene	338	ug/m3	1.4	1.75		03/14/16 16:52	156-59-2	E	
trans-1,2-Dichloroethene	5.1	ug/m3	1.4	1.75		03/14/16 16:52	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/14/16 16:52	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 16:52	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/14/16 16:52	10061-02-6		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/14/16 16:52	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/14/16 16:52	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/14/16 16:52	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/14/16 16:52	87-68-3		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Sample: VP-107_74_20160216		Lab ID: 10338962007		Collected: 02/16/16 21:42		Received: 02/18/16 10:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
n-Hexane	ND	ug/m3	1.3	1.75		03/14/16 16:52	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/14/16 16:52	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/14/16 16:52	98-82-8		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/14/16 16:52	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/14/16 16:52	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/14/16 16:52	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/14/16 16:52	1634-04-4		
2-Propanol	80.7	ug/m3	4.4	1.75		03/14/16 16:52	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/14/16 16:52	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/14/16 16:52	79-34-5		
Tetrachloroethene	762	ug/m3	1.2	1.75		03/14/16 16:52	127-18-4	E	
Toluene	2.2	ug/m3	1.3	1.75		03/14/16 16:52	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/14/16 16:52	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/14/16 16:52	71-55-6		
1,1,2-Trichloroethane	5.2	ug/m3	0.96	1.75		03/14/16 16:52	79-00-5		
Trichloroethene	2070	ug/m3	0.96	1.75		03/14/16 16:52	79-01-6	C8,E	
Trichlorofluoromethane	22.6	ug/m3	2.0	1.75		03/14/16 16:52	75-69-4		
1,1,2-Trichlorotrifluoroethane	176	ug/m3	2.8	1.75		03/14/16 16:52	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 16:52	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/14/16 16:52	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/14/16 16:52	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/14/16 16:52	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/14/16 16:52	95-47-6		

REPORT OF LABORATORY ANALYSIS

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Appendix C

Support Documentation



TO15 Data Discrepancy Report

TetrattechGeoTrans Project ID 117-0507644 LMC-Great Neck

Pace Project # 10338962

Due to an oversight in the laboratory, your final report for the project 10338962 will not contain the five compounds listed below.

- Chloropentafluoroethane
- 1,1-Difluoroethane
- Freon 123
- Methyl Acetate
- 1,2-Dibromo-3-chloropropane

In addition to the missing analytes, the data may contain qualifiers for chlorinated VOCs above the linear range of calibration, as well as potential bias in due to carryover for Trichloroethene (TCE) for samples 10338962006 and 10338962007.

Project Overview

Samples for this project were collected on February 16, 2016 and received in the Minneapolis Air Laboratory on February 18. Samples were submitted for TO15 Analysis for the standard TO15 list, plus five additional compounds specifically requested by the client. The project was analyzed for TO15 on March 14. The system was not calibrated for the extra compounds at that time.

Root Cause

The data from March 14 was reviewed and re-runs and dilutions were determined. The cans were prepped for re-analysis, and set aside. At this time, another project from this site was prioritized. Due to the additional compounds by the new analytical method, the lab had only one system to analyze this project. The cans for 10338962 were labeled and set aside, while the more urgent project was analyzed. During that time, the cans from this specific project 10338962 were delivered to the can cleaning area, and the samples were destroyed.

Pace Analytical accepts full responsibility for this laboratory error and the data provided for this project will be free of charge.

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10338962

23723

Page: 1 of 1

Section A

Required Client Information:

Company: **TERRA TECH**
Address: **295 Rt 22E, Suite 104E**
WHITEHOUSE STATION, NJ
Email To: **KEITH.MCDERMOTT@TERRATECH.COM**
Phone: **908-534-2303** Fax:
Requested Due Date/TAT:

Section B

Required Project Information:

Report To: **KEITH MCDERMOTT**
Copy To:
Purchase Order No.:
Project Name: **LML - GREAT NECK**
Project Number: **117-0507644**

Section C

Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program

☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State **NY**

Reporting Units
ug/m³ ☒ mg/m³
PPBV ☐ PPMV ☐
Other

Report Level II. ☐ III. ☐ IV. ☐ Other ☐

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID
					COMPOSITE START END/GRAB		COMPOSITE -						PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-1 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO-15 Short List		
					DATE	TIME	DATE	TIME															
1	VP-107-5-20160216	6LC			2/16/16	1834	2/16/16	2120	-29	-8	1 2 5 7	0 3 5 9									X		001
2	VP-107-13-20160216	6LC			2/16/16	1834	2/16/16	2135	-30	-8	2 7 9 9	0 5 9 9									X		002
3	VP-107-20-20160216	6LC			2/16/16	1834	2/16/16	2152	-30	-8	2 6 8 8	0 3 5 6									X		003
4	VP-107-33.5-20160216	6LC			2/16/16	1834	2/16/16	2220	-30	-8	2 6 9 1	0 5 4 0									X		004
5	VP-107-44-20160216	6LC			2/16/16	1834	2/16/16	2129	-29	-8	2 7 4 6	0 0 4 9									X		005
6	VP-107-60-20160216	6LC			2/16/16	1834	2/16/16	2255	-30	-10	2 0 6 0	0 5 2 3									X		006
7	VP-107-74-20160216	6LC			2/16/16	1834	2/16/16	2142	-29	-8	1 2 0 7	0 0 5 6									X		007
8																							008
9																							
10																							
11																							
12																							

Comments:

* MODIFIED COC LIST

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<i>[Signature]</i>	2/17/16	1230	<i>[Signature]</i>	2/17/16	1230	Amb	Y/N	Y/N	Y/N
<i>[Signature]</i>	2/17/16	1330	<i>[Signature]</i>	2/18/16	1000		Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY)


Temp in °C

Received on Ice

Custody Sealed Cooler

Samples intact

ORIGINAL

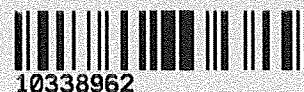
	Document Name: Air Sample Condition Upon Receipt	Document Revised: 29June2015 Page 1 of 1
	Document No.: F-MN-A-106-rev.10	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name:

Project #:

WO# : 10338962



Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client
☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 782398023188, 782398008409

Custody Seal on Cooler/Box Present? ☒ Yes ☐ No Seals Intact? ☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other:

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): 8 Corrected Temp (°C): 8

Thermom. Used: ☐ 888A912167504 ☐ 72337080
☐ 888A9132521491 ☐ 80512447

Temp should be above freezing to 6°C Correction Factor: 8

Date & Initials of Person Examining Contents: 2/18/16

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
5	1257	0359			
13	2799	0599			
20	2688	0356			
33	2691	0540			
44	2796	0049			
60	2060	0523			
74	1207	0056			
used??	1752	0409			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review:

Date: 02/18/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

PROJECT NARRATIVE

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

General Information:

7 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

QC Batch: AIR/25439

IQ: The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

- VP-107_20_20160216 (Lab ID: 10338962003)
- VP-107_33.5_20160216 (Lab ID: 10338962004)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: AIR/25439

C8: Result may be biased high due to carryover from previously analyzed sample.

- VP-107_60_20160216 (Lab ID: 10338962006)
 - Trichloroethene
- VP-107_74_20160216 (Lab ID: 10338962007)
 - Trichloroethene

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- VP-107_13_20160216 (Lab ID: 10338962002)
 - Trichloroethene
- VP-107_20_20160216 (Lab ID: 10338962003)
 - cis-1,2-Dichloroethene
 - Chloroform
 - Tetrachloroethene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

Analyte Comments:

QC Batch: AIR/25439

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- VP-107_20_20160216 (Lab ID: 10338962003)
 - 1,1,2-Trichlorotrifluoroethane
 - Trichloroethene
 - Trichlorofluoromethane
- VP-107_33.5_20160216 (Lab ID: 10338962004)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene
 - 1,1,2-Trichlorotrifluoroethane
 - Trichloroethene
- VP-107_44_20160216 (Lab ID: 10338962005)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene
 - 1,1,2-Trichlorotrifluoroethane
 - Trichloroethene
- VP-107_60_20160216 (Lab ID: 10338962006)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene
- VP-107_74_20160216 (Lab ID: 10338962007)
 - cis-1,2-Dichloroethene
 - Tetrachloroethene
 - Trichloroethene

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507644 LMC-Great Neck
Pace Project No.: 10338962

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10338962003

[1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

Sample: 10338962004

[1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

ANALYTE QUALIFIERS

C8 Result may be biased high due to carryover from previously analyzed sample.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10338962001	VP-107_5_20160216	Air	02/16/16 21:20	02/18/16 10:00
10338962002	VP-107_13_20160216	Air	02/16/16 21:35	02/18/16 10:00
10338962003	VP-107_20_20160216	Air	02/16/16 21:52	02/18/16 10:00
10338962004	VP-107_33.5_20160216	Air	02/16/16 22:20	02/18/16 10:00
10338962005	VP-107_44_20160216	Air	02/16/16 21:29	02/18/16 10:00
10338962006	VP-107_60_20160216	Air	02/16/16 22:55	02/18/16 10:00
10338962007	VP-107_74_20160216	Air	02/16/16 21:42	02/18/16 10:00
10338962008	"Bad" Can?	Air		02/18/16 10:00

REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/13/2016
Lab File ID (Standard): 07309.D Time Analyzed: 14:21
Instrument ID: 10AIRB Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	354686	5.575	224999	8.642
UPPER LIMIT	496560	6.075	314999	9.142
LOWER LIMIT	212812	5.075	134999	8.142
EPA SAMPLE NO.				
BLANK for HBN 404907 [AIR/2543]	295764	5.551	178366	8.629
LCS for HBN 404907 [AIR/25439]	348143	5.575	215309	8.642
VP-107_5_20160216	296302	5.551	186415	8.629
VP-107_13_20160216	303633	5.575	191770	8.642
VP-107_20_20160216	281472	5.667	170482	8.733
VP-107_33.5_20160216	347074	5.642	171647	8.702
VP-107_44_20160216	369223	5.612	185322	8.660
VP-107_60_20160216	379266	5.581	225575	8.642
VP-107_74_20160216	410070	5.581	242172	8.641

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 404907 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338962

Lab File ID: 07410_25439.D

Lab Sample ID: 2209832

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 13:10

Instrument ID: 10AIRB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 404907 [AIR/	2209833	07402_25439.D	08:45
02	VP-107_5_20160216	10338962001	07411.D	13:42
03	VP-107_13_20160216	10338962002	07412.D	14:14
04	VP-107_20_20160216	10338962003	07413.D	14:45
05	VP-107_33.5_20160216	10338962004	07414.D	15:17
06	VP-107_44_20160216	10338962005	07415.D	15:49
07	VP-107_60_20160216	10338962006	07416.D	16:20
08	VP-107_74_20160216	10338962007	07417.D	16:52

QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

QC Batch:	AIR/25439	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10338962001, 10338962002, 10338962003, 10338962004, 10338962005, 10338962006, 10338962007		

METHOD BLANK:	2209832	Matrix:	Air
Associated Lab Samples:	10338962001, 10338962002, 10338962003, 10338962004, 10338962005, 10338962006, 10338962007		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/14/16 13:10	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/14/16 13:10	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/14/16 13:10	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/14/16 13:10	
1,1-Dichloroethane	ug/m3	ND	0.82	03/14/16 13:10	
1,1-Dichloroethene	ug/m3	ND	0.81	03/14/16 13:10	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	03/14/16 13:10	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/14/16 13:10	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/14/16 13:10	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/14/16 13:10	
1,2-Dichloroethane	ug/m3	ND	0.41	03/14/16 13:10	
1,2-Dichloropropane	ug/m3	ND	0.94	03/14/16 13:10	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/14/16 13:10	
1,3-Butadiene	ug/m3	ND	0.45	03/14/16 13:10	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/14/16 13:10	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/14/16 13:10	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/14/16 13:10	
2-Butanone (MEK)	ug/m3	ND	3.0	03/14/16 13:10	
2-Hexanone	ug/m3	ND	4.2	03/14/16 13:10	
2-Propanol	ug/m3	ND	2.5	03/14/16 13:10	
4-Ethyltoluene	ug/m3	ND	1.0	03/14/16 13:10	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/14/16 13:10	
Acetone	ug/m3	ND	2.4	03/14/16 13:10	
Allyl chloride	ug/m3	ND	1.6	03/14/16 13:10	
Benzene	ug/m3	ND	0.65	03/14/16 13:10	
Bromodichloromethane	ug/m3	ND	1.4	03/14/16 13:10	
Bromoform	ug/m3	ND	2.1	03/14/16 13:10	
Bromomethane	ug/m3	ND	0.79	03/14/16 13:10	
Carbon disulfide	ug/m3	ND	0.63	03/14/16 13:10	
Carbon tetrachloride	ug/m3	ND	0.64	03/14/16 13:10	
Chlorobenzene	ug/m3	ND	0.94	03/14/16 13:10	
Chlorodifluoromethane	ug/m3	ND	0.72	03/14/16 13:10	
Chloroethane	ug/m3	ND	0.54	03/14/16 13:10	
Chloroform	ug/m3	ND	0.99	03/14/16 13:10	
Chloromethane	ug/m3	ND	0.42	03/14/16 13:10	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/14/16 13:10	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/14/16 13:10	
Cyclohexane	ug/m3	ND	0.70	03/14/16 13:10	
Dibromochloromethane	ug/m3	ND	1.7	03/14/16 13:10	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/14/16 13:10	
Ethylbenzene	ug/m3	ND	0.88	03/14/16 13:10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

METHOD BLANK: 2209832

Matrix: Air

Associated Lab Samples: 10338962001, 10338962002, 10338962003, 10338962004, 10338962005, 10338962006, 10338962007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/m3	ND	10.8	03/14/16 13:10	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/14/16 13:10	
m&p-Xylene	ug/m3	ND	1.8	03/14/16 13:10	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/14/16 13:10	
Methylcyclohexane	ug/m3	ND	0.82	03/14/16 13:10	
Methylene Chloride	ug/m3	ND	3.5	03/14/16 13:10	
n-Hexane	ug/m3	ND	0.72	03/14/16 13:10	
o-Xylene	ug/m3	ND	0.88	03/14/16 13:10	
Styrene	ug/m3	ND	0.87	03/14/16 13:10	
Tetrachloroethene	ug/m3	ND	0.69	03/14/16 13:10	
Toluene	ug/m3	ND	0.77	03/14/16 13:10	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/14/16 13:10	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/14/16 13:10	
Trichloroethene	ug/m3	ND	0.55	03/14/16 13:10	
Trichlorofluoromethane	ug/m3	ND	1.1	03/14/16 13:10	
Vinyl chloride	ug/m3	ND	0.26	03/14/16 13:10	

LABORATORY CONTROL SAMPLE: 2209833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	56.9	102	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	78.3	112	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	56.8	102	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	76.4	98	66-131	
1,1-Dichloroethane	ug/m3	41.2	42.0	102	62-139	
1,1-Dichloroethene	ug/m3	40.3	40.2	100	62-135	
1,2,4-Trichlorobenzene	ug/m3	75.5	67.9	90	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	58.8	118	57-143	
1,2-Dibromoethane (EDB)	ug/m3	78.1	85.0	109	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	71.9	118	57-141	
1,2-Dichloroethane	ug/m3	41.2	41.0	100	61-144	
1,2-Dichloropropane	ug/m3	47	47.2	100	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	59.0	118	54-147	
1,3-Butadiene	ug/m3	22.5	22.5	100	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	73.5	120	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	71.1	116	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	39.7	108	58-144	
2-Butanone (MEK)	ug/m3	150	151	101	66-144	
2-Hexanone	ug/m3	208	211	102	63-147	
2-Propanol	ug/m3	125	122	98	54-146	
4-Ethyltoluene	ug/m3	50	60.0	120	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	208	199	95	58-150	
Acetone	ug/m3	121	108	90	46-140	
Allyl chloride	ug/m3	79.6	80.8	101	65-142	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10338962

LABORATORY CONTROL SAMPLE: 2209833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/m3	32.5	31.3	96	62-141	
Bromodichloromethane	ug/m3	68.2	72.3	106	58-149	
Bromoform	ug/m3	105	131	125	61-150	
Bromomethane	ug/m3	39.5	39.3	100	58-136	
Carbon disulfide	ug/m3	31.7	31.4	99	59-135	
Carbon tetrachloride	ug/m3	64	67.3	105	60-149	
Chlorobenzene	ug/m3	46.8	49.0	105	60-150	
Chlorodifluoromethane	ug/m3	36	36.2	101	70-130	
Chloroethane	ug/m3	26.8	28.1	105	61-136	
Chloroform	ug/m3	49.7	48.6	98	65-138	
Chloromethane	ug/m3	21	20.9	99	62-133	
cis-1,2-Dichloroethene	ug/m3	40.3	40.5	101	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	48.6	105	61-149	
Cyclohexane	ug/m3	35	35.5	101	64-134	
Dibromochloromethane	ug/m3	86.6	99.1	114	59-150	
Dichlorodifluoromethane	ug/m3	50.3	50.1	100	63-134	
Ethylbenzene	ug/m3	44.2	49.6	112	59-149	
Hexachloro-1,3-butadiene	ug/m3	108	120	110	42-150	
Isopropylbenzene (Cumene)	ug/m3	50	55.3	111	65-150	
m&p-Xylene	ug/m3	88.3	96.5	109	59-146	
Methyl-tert-butyl ether	ug/m3	183	181	99	64-135	
Methylcyclohexane	ug/m3	40.8	43.0	105	70-130	
Methylene Chloride	ug/m3	177	170	96	64-128	
n-Hexane	ug/m3	35.8	43.1	120	50-138	
o-Xylene	ug/m3	44.2	48.0	109	54-149	
Styrene	ug/m3	43.3	49.8	115	54-150	
Tetrachloroethene	ug/m3	69	70.3	102	60-142	
Toluene	ug/m3	38.3	37.7	98	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	40.1	99	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	52.7	114	59-145	
Trichloroethene	ug/m3	54.6	54.4	100	60-144	
Trichlorofluoromethane	ug/m3	57.1	56.3	98	59-134	
Vinyl chloride	ug/m3	26	26.3	101	63-135	

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REPORT OF LABORATORY ANALYSIS

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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338962

Lab File ID: 07301BFB.D

BFB Injection Date: 03/13/2016

Instrument ID: 10AIRB

BFB Injection Time: 09:18

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.39
75	30.00 - 66.00% of mass 95	45.06
96	5.00 - 9.00% of mass 95	6.44
173	Less than 2.00% of mass 174	0.57 (0.65)
174	50.00 - 120.00% of mass 95	87.97
175	4.00 - 9.00% of mass 174	6.40 (7.27)
176	93.00 - 101.00% of mass 174	85.71 (97.43)
177	5.00 - 9.00% of mass 176	5.48 (6.40)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07305.D	03/13/2016	12:28
2	CAL2	CAL2	07306.D	03/13/2016	12:56
3	CAL3	CAL3	07307.D	03/13/2016	13:24
4	CAL4	CAL4	07308.D	03/13/2016	13:53
5	CAL5	CAL5	07309.D	03/13/2016	14:21
6	CAL6	CAL6	07310.D	03/13/2016	14:50
7	CAL7	CAL7	07311.D	03/13/2016	15:19
8	ICV	ICV	07313.D	03/13/2016	16:14
9	IC	IC	07316.D	03/13/2016	17:44

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10airB.i\031316.b\07305.D
Level 02: all \\192.168.10.12\chem\10airB.i\031316.b\07306.D
Level 03: all \\192.168.10.12\chem\10airB.i\031316.b\07307.D
Level 04: all \\192.168.10.12\chem\10airB.i\031316.b\07308.D
Level 05: all \\192.168.10.12\chem\10airB.i\031316.b\07309.D
Level 06: all \\192.168.10.12\chem\10airB.i\031316.b\07310.D
Level 07: all \\192.168.10.12\chem\10airB.i\031316.b\07311.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.42734	0.44261	0.39945	0.39532	0.38028	0.36645					
	0.37906						AVRG		0.39864		6.88884
2 Propylene	0.12916	0.14820	0.12315	0.12767	0.12363	0.12201					
	0.12402						AVRG		0.12826		7.13885
3 Dichlorodifluoromethane	0.94078	0.92841	0.88459	0.85838	0.82758	0.80820					
	0.81324						AVRG		0.86588		6.23567
4 Dichlorotetrafluoroethane	0.78877	0.83695	0.78183	0.75482	0.73107	0.71495					
	0.72654						AVRG		0.76213		5.67075

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.26868 0.22169	0.27028	0.26388	0.25350	0.23469	0.22026	AVRG		0.24757	8.79416
6 Vinyl chloride	0.24582 0.25502	0.24869	0.24051	0.23946	0.23205	0.24199	AVRG		0.24336	3.01730
7 1,3-Butadiene	0.13102 0.16391	0.18221	0.15860	0.15270	0.14822	0.15765	AVRG		0.15633	9.95746
8 Bromomethane	0.22696 0.26213	0.22794	0.23603	0.23043	0.22775	0.23016	AVRG		0.23448	5.35621
9 Chloroethane	0.07441 0.11238	0.07480	0.10213	0.09392	0.09602	0.09603	AVRG		0.09281	14.94556
10 Ethanol	0.05767 0.05429	0.05298	0.05325	0.04939	0.04873	0.04828	AVRG		0.05209	6.61457
11 Vinyl Bromide	0.23833 0.22298	0.24829	0.23569	0.22870	0.22327	0.21673	AVRG		0.23057	4.70592

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
12 Isopentane	0.13447	0.14834	0.13826	0.14059	0.14887	0.15081				
	0.17146						AVRG		0.14754	8.25617
13 Acrolein	0.06495	0.05922	0.06066	0.06584	0.06678	0.06715				
	0.07187						AVRG		0.06521	6.49578
14 Trichlorofluoromethane	0.63782	0.72291	0.65104	0.65040	0.63502	0.62315				
	0.63874						AVRG		0.65130	5.06387
15 Acetone	0.30886	0.27483	0.23414	0.22589	0.20706	0.20782				
	0.22207						AVRG		0.24010	15.79610
16 Isopropyl Alcohol	0.26618	0.26608	0.23383	0.22157	0.22853	0.23030				
	0.24353						AVRG		0.24143	7.49949
17 Acrylonitrile	0.13415	0.13188	0.12504	0.12678	0.12793	0.12661				
	0.13123						AVRG		0.12909	2.59299
18 1,1-Dichloroethene	0.29047	0.32180	0.29732	0.28468	0.29389	0.29879				
	0.30495						AVRG		0.29884	4.00994

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.47368 0.39852	0.47744	0.43725	0.42241	0.41286	0.39546	AVRG		0.43109	7.77429
20 Freon 113	0.46481 0.43438	0.48876	0.47423	0.45708	0.44247	0.43372	AVRG		0.45649	4.58640
21 Methylene chloride	0.19055 0.16676	0.19099	0.17575	0.17098	0.16322	0.16098	AVRG		0.17418	7.07991
22 Allyl Chloride	0.08834 0.08415	0.08553	0.08221	0.08372	0.08722	0.08372	AVRG		0.08498	2.54700
23 Carbon Disulfide	0.59290 0.59865	0.54649	0.49819	0.49241	0.54063	0.55750	AVRG		0.54668	7.57442
24 trans-1,2-dichloroethene	0.28914 0.28621	0.31178	0.27692	0.26325	0.27505	0.27335	AVRG		0.28224	5.51803
25 Methyl Tert Butyl Ether	0.83203 0.62523	0.81609	0.74108	0.72871	0.69462	0.64407	AVRG		0.72598	10.88192

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.53045	0.53774	0.50359	0.50064	0.55584	0.55035				
	0.58090						AVRG		0.53707	5.34383
27 1,1-Dichloroethane	0.46375	0.49610	0.47826	0.46565	0.48198	0.48621				
	0.51866						AVRG		0.48437	3.89495
29 Methyl Ethyl Ketone	0.14223	0.13555	0.12481	0.12264	0.12999	0.12731				
	0.12677						AVRG		0.12990	5.25089
30 n-Hexane	0.52912	0.48651	0.44465	0.39733	0.42893	0.52111				
	0.51542						AVRG		0.47473	10.84253
31 Di-isopropyl Ether	0.81789	0.78149	0.70555	0.67843	0.55561	0.48831				
	0.48836						AVRG		0.64509	21.02590
32 Ethyl Acetate	0.47225	0.47437	0.45068	0.43418	0.44691	0.43392				
	0.44445						AVRG		0.45097	3.65673
33 cis-1,2-Dichloroethene	0.27639	0.31488	0.30898	0.29823	0.31334	0.32232				
	0.34673						AVRG		0.31155	6.91934

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
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Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	1.00180 0.65327	0.96821	0.88565	0.84947	0.77181	0.68519	AVRG		0.83077	16.12504
35 Chloroform	0.73429 0.59069	0.76243	0.66379	0.63489	0.63411	0.59393	AVRG		0.65916	10.08034
36 Tetrahydrofuran	0.19134 0.23610	0.18701	0.19645	0.20246	0.22006	0.22437	AVRG		0.20826	8.94975
37 1,1,1-Trichloroethane	0.80338 0.73807	0.75707	0.71842	0.71814	0.73810	0.72254	AVRG		0.74225	4.08985
38 1,2-Dichloroethane	0.53523 0.46736	0.53873	0.50037	0.47800	0.48265	0.46019	AVRG		0.49465	6.38031
39 Benzene	0.99526 0.85814	0.90541	0.78844	0.78342	0.82436	0.82160	AVRG		0.85380	8.79358
40 Carbon tetrachloride	0.77229 0.76595	0.82905	0.74737	0.71412	0.78523	0.75563	AVRG		0.76709	4.61599

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.35771	0.38601	0.37773	0.37084	0.36602	0.34511				
	0.34680						AVRG		0.36432	4.21613
42 Tert Amyl Methyl Ether	1.05245	0.92982	0.79326	0.75148	0.72671	0.65487				
	0.62059						AVRG		0.78988	19.40005
44 2,2,4-Trimethylpentane	1.40086	1.34037	1.23758	1.21074	1.19655	1.11886				
	1.10424						AVRG		1.22989	8.85012
45 Heptane	0.36116	0.36386	0.35010	0.34656	0.34935	0.34300				
	0.35022						AVRG		0.35204	2.16617
46 1,2-Dichloropropane	0.31014	0.31248	0.29364	0.28966	0.30852	0.30475				
	0.31818						AVRG		0.30534	3.36154
47 Trichloroethene	0.47836	0.46675	0.43282	0.41974	0.47248	0.48037				
	0.51450						AVRG		0.46643	6.77618
48 1,4-Dioxane	0.16211	0.20028	0.19295	0.18515	0.21429	0.22248				
	0.23437						AVRG		0.20166	12.10834

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.67236 0.72582	0.70682	0.66965	0.65943	0.72859	0.71213	AVRG		0.69640	4.11083
50 Methylcyclohexane	0.19002 0.28406	0.21199	0.22620	0.21121	0.25292	0.26126	AVRG		0.23395	14.18315
51 Methyl Isobutyl Ketone	0.55368 0.37461	0.54042	0.49024	0.48468	0.42742	0.37946	AVRG		0.46436	15.59674
52 cis-1,3-Dichloropropene	0.46428 0.56094	0.47140	0.44718	0.44825	0.52059	0.52913	AVRG		0.49168	9.11960
53 trans-1,3-Dichloropropene	0.37126 0.54365	0.36640	0.38865	0.39336	0.50298	0.51548	AVRG		0.44025	17.43754
55 Toluene	1.28467 1.13425	1.17667	1.07720	1.00518	1.12016	1.10721	AVRG		1.12933	7.67692
56 1,1,2-Trichloroethane	0.37259 0.40075	0.42920	0.36648	0.35312	0.39672	0.39115	AVRG		0.38715	6.55058

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	0.86850 0.49913	0.80511	0.72948	0.71845	0.65596	0.55536	AVRG		0.69028	18.99934
58 Dibromochloromethane	1.14491 1.14779	1.16114	1.03397	1.08579	1.28591	1.22187	AVRG		1.15448	7.18093
59 1,2-Dibromoethane	1.02435 0.97341	1.08894	0.93846	0.97056	1.07412	1.02251	AVRG		1.01319	5.50201
60 Tetrachloroethene	1.10103 0.88535	1.09595	0.96436	0.94677	0.99736	0.93368	AVRG		0.98921	8.28000
62 Chlorobenzene	1.55669 1.38802	1.48105	1.37465	1.27978	1.47919	1.42286	AVRG		1.42603	6.29886
63 Ethyl Benzene	2.24860 2.13870	2.08604	2.05694	2.06290	2.37567	2.26127	AVRG		2.17573	5.59331
64 m&p-Xylene	1.92170 1.54098	1.85026	1.66045	1.68217	1.84217	1.69311	AVRG		1.74155	7.67068

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
65 Bromoform	0.93791	0.86274	0.85161	0.88680	1.15799	1.06550				
	0.95074						AVRG		0.95904	11.84773
66 Styrene	1.22026	1.18358	1.16201	1.17803	1.40530	1.35154				
	1.29263						AVRG		1.25619	7.56573
67 o-Xylene	2.11119	1.74767	1.73639	1.65923	1.89864	1.80338				
	1.69357						AVRG		1.80716	8.57706
68 1,1,2,2-Tetrachloroethane	1.06291	1.08239	0.97321	0.96807	1.15282	1.09841				
	1.04655						AVRG		1.05491	6.30983
69 Isopropylbenzene	2.71578	2.50175	2.23297	2.25595	2.61414	2.45993				
	2.32464						AVRG		2.44360	7.48181
70 N-Propylbenzene	2.38069	2.23092	2.22514	2.38516	3.00399	2.85126				
	2.67995						AVRG		2.53673	12.21092
71 4-Ethyltoluene	2.05978	1.90798	1.99619	2.06031	2.58409	2.48016				
	2.33290						AVRG		2.20306	11.85986

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
72 1,3,5-Trimethylbenzene	1.76590	1.81895	1.75773	1.76758	2.20159	2.08049				
	1.96893					AVRG			1.90874	9.32492
73 Tert-Butyl Benzene	2.06598	1.85400	1.78159	1.85784	2.32420	2.17189				
	1.99718					AVRG			2.00753	9.70701
74 1,2,4-Trimethylbenzene	1.90996	1.84091	1.72167	1.76160	2.15654	1.97511				
	1.77832					AVRG			1.87773	8.05727
75 1,3-Dichlorobenzene	1.25705	1.14058	1.09892	1.11250	1.45245	1.36720				
	1.27016					AVRG			1.24269	10.82153
76 Sec- Butylbenzene	2.54292	2.40127	2.36604	2.41154	3.00849	2.74690				
	2.48315					AVRG			2.56576	9.09736
78 Benzyl Chloride	1623	2840	7721	18508	358199	735753				
	1117552					LINR	-0.01405		1.53925	0.99887
79 1,4-Dichlorobenzene	1.23134	1.18124	1.07134	1.11655	1.44026	1.39329				
	1.32717					AVRG			1.25160	11.17973

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 p-Isopropyltoluene	2.13380	2.04234	1.97420	1.97005	2.60409	2.46011					
	2.30530						AVRG		2.21284		11.28235
81 1,2,3-Trimethylbenzene	1.87450	1.74581	1.65719	1.65306	2.10317	1.98490					
	1.86252						AVRG		1.84016		9.12560
82 1,2-Dichlorobenzene	1.27966	1.01954	0.99474	0.98959	1.35465	1.31120					
	1.25277						AVRG		1.17174		13.88381
83 N-Butylbenzene	1.73310	1.52171	1.48042	1.58970	2.24418	2.07859					
	1.91642						AVRG		1.79487		16.34754
84 1,2,4-Trichlorobenzene	1086	1424	3260	6923	143249	311610					
	502569						LINR	-0.02014	0.68081		0.99963
85 Naphthalene	3266	4213	9154	19142	341070	711512					
	1134498						LINR	-0.02668	1.53929		0.99988
86 Hexachlorobutadiene	0.59972	0.54961	0.55370	0.55573	0.73064	0.68106					
	0.63477						AVRG		0.61503		11.47930

Report Date : 14-Mar-2016 08:33

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date   : 13-MAR-2016 12:28
End Cal Date    : 13-MAR-2016 15:19
Quant Method    : ISTD
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\192.168.10.12\chem\10airB.i\031316.b\TO15_073-16.m
Last Edit      : 14-Mar-2016 08:00 10airB.i
```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients			RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2		
	30.0000											
	Level 7											
\$ 28 Hexane-d14(S)	0.35228 0.42106	0.35360	0.35736	0.35483	0.35571	0.37663	AVRG		0.36735		6.83107	
\$ 54 Toluene-d8 (S)	0.83410 1.01041	0.83581	0.84930	0.83071	0.86502	0.91703	AVRG		0.87748		7.50031	
\$ 77 1,4-dichlorobenzene-d4 (S)	0.49709 0.63372	0.50623	0.55457	0.58455	0.63192	0.64862	AVRG		0.57953		10.74657	

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 13-MAR-2016 12:28
End Cal Date : 13-MAR-2016 15:19
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031316.b\T015_073-16.m
Last Edit : 14-Mar-2016 08:00 10airB.i

Average %RSD Results.	
=====	
Calculated Average %RSD =	9.45358
Maximum Average %RSD =	0.000e+000
!* Failed Average %RSD Test.	

Curve	Formula	Units
=====		
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10338962

Lab File ID: 07401BFB.D

BFB Injection Date: 03/14/2016

Instrument ID: 10AIRB

BFB Injection Time: 08:17

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.49
75	30.00 - 66.00% of mass 95	44.84
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.60 (0.69)
174	50.00 - 120.00% of mass 95	87.75
175	4.00 - 9.00% of mass 174	6.12 (6.98)
176	93.00 - 101.00% of mass 174	83.04 (94.64)
177	5.00 - 9.00% of mass 176	5.37 (6.46)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07402.D	03/14/2016	08:45
2	LCS for HBN 404907 [AIR/	2209833	07402_25439.D	03/14/2016	08:45
3	0	0	07403.D	03/14/2016	09:29
4	CERT	CERT	07404.D	03/14/2016	10:01
5	CERT	CERT	07406.D	03/14/2016	11:04
6	CERT	CERT	07407.D	03/14/2016	11:36
7	CERT	CERT	07408.D	03/14/2016	12:08
8	BLANK for HBN 404907 [AI	2209832	07410_25439.D	03/14/2016	13:10
9	VP-107_5_20160216	10338962001	07411.D	03/14/2016	13:42
10	VP-107_13_20160216	10338962002	07412.D	03/14/2016	14:14
11	VP-107_20_20160216	10338962003	07413.D	03/14/2016	14:45
12	VP-107_33.5_20160216	10338962004	07414.D	03/14/2016	15:17
13	VP-107_44_20160216	10338962005	07415.D	03/14/2016	15:49
14	VP-107_60_20160216	10338962006	07416.D	03/14/2016	16:20
15	VP-107_74_20160216	10338962007	07417.D	03/14/2016	16:52
16	0	0	07418.D	03/14/2016	17:19

Data File: \\192.168.10.12\chem\10airB.i\031416.b\07402.D
Report Date: 14-Mar-2016 10:08

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 14-MAR-2016 08:45
Lab File ID: 07402.D Init. Cal. Date(s): 13-MAR-2016 13-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:28 15:19
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\031416.b\TO15_073-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.39864	0.40160	0.40160	0.010	0.74196	30.00000	Aver	
2 Propylene	0.12826	0.12918	0.12918	0.010	0.71651	30.00000	Aver	
3 Dichlorodifluoromethane	0.86588	0.86249	0.86249	0.010	-0.39221	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.76213	0.76366	0.76366	0.010	0.20076	30.00000	Aver	
5 Chloromethane	0.24757	0.24617	0.24617	0.010	-0.56561	30.00000	Aver	
6 Vinyl chloride	0.24336	0.24662	0.24662	0.010	1.33808	30.00000	Aver	
7 1,3-Butadiene	0.15633	0.15628	0.15628	0.010	-0.03134	30.00000	Aver	
8 Bromomethane	0.23448	0.23369	0.23369	0.010	-0.33653	30.00000	Aver	
9 Chloroethane	0.09281	0.09724	0.09724	0.010	4.76349	30.00000	Aver	(M)
10 Ethanol	0.05209	0.04998	0.04998	0.005	-4.03317	30.00000	Aver	
11 Vinyl Bromide	0.23057	0.22688	0.22688	0.010	-1.59968	30.00000	Aver	
12 Isopentane	0.14754	0.14424	0.14424	0.010	-2.24042	30.00000	Aver	(M)
13 Acrolein	0.06521	0.06767	0.06767	0.010	3.76892	30.00000	Aver	
14 Trichlorofluoromethane	0.65130	0.64161	0.64161	0.010	-1.48772	30.00000	Aver	
15 Acetone	0.24010	0.21521	0.21521	0.010	-10.36660	30.00000	Aver	
16 Isopropyl Alcohol	0.24143	0.23613	0.23613	0.010	-2.19544	30.00000	Aver	
17 Acrylonitrile	0.12909	0.13092	0.13092	0.010	1.41707	30.00000	Aver	
18 1,1-Dichloroethene	0.29884	0.29835	0.29835	0.010	-0.16516	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.43109	0.42186	0.42186	0.010	-2.14177	30.00000	Aver	(M)
20 Freon 113	0.45649	0.44749	0.44749	0.010	-1.97147	30.00000	Aver	
21 Methylene chloride	0.17418	0.16806	0.16806	0.010	-3.51064	30.00000	Aver	
22 Allyl Chloride	0.08498	0.08630	0.08630	0.010	1.54231	30.00000	Aver	
23 Carbon Disulfide	0.54668	0.54238	0.54238	0.010	-0.78611	30.00000	Aver	
24 trans-1,2-dichloroethene	0.28224	0.28071	0.28071	0.010	-0.54466	30.00000	Aver	
25 Methyl Tert Butyl Ether	0.72598	0.71854	0.71854	0.010	-1.02390	30.00000	Aver	
26 Vinyl Acetate	0.53707	0.57893	0.57893	0.010	7.79317	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.48437	0.49482	0.49482	0.010	2.15623	30.00000	Aver	
28 Hexane-d14(S)	0.36735	0.35743	0.35743	0.010	-2.70024	30.00000	Aver	
29 Methyl Ethyl Ketone	0.12990	0.13109	0.13109	0.010	0.91278	30.00000	Aver	(M)
30 n-Hexane	0.47473	0.57046	0.57046	0.010	20.16707	30.00000	Aver	(M)
31 Di-isopropyl Ether	0.64509	0.57916	0.57916	0.010	-10.21994	30.00000	Aver	
32 Ethyl Acetate	0.45097	0.46164	0.46164	0.010	2.36601	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.31155	0.31339	0.31339	0.010	0.59035	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.83077	0.79795	0.79795	0.010	-3.95056	30.00000	Aver	
35 Chloroform	0.65916	0.64598	0.64598	0.010	-1.99994	30.00000	Aver	
36 Tetrahydrofuran	0.20826	0.22853	0.22853	0.010	9.73670	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.74225	0.76098	0.76098	0.010	2.52446	30.00000	Aver	
38 1,2-Dichloroethane	0.49465	0.49341	0.49341	0.010	-0.25008	30.00000	Aver	
39 Benzene	0.85380	0.82237	0.82237	0.010	-3.68162	30.00000	Aver	
40 Carbon tetrachloride	0.76709	0.80750	0.80750	0.010	5.26851	30.00000	Aver	
41 Cyclohexane	0.36432	0.36915	0.36915	0.010	1.32544	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.78988	0.74477	0.74477	0.010	-5.71176	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\031416.b\07402.D
Report Date: 14-Mar-2016 10:08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airB.i\031416.b\07402.D
Report Date: 14-Mar-2016 10:08

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 14-MAR-2016 08:45
Lab File ID: 07402.D Init. Cal. Date(s): 13-MAR-2016 13-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:28 15:19
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\031416.b\TO15_073-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	1.22989	1.21443	1.21443	0.010	-1.25723	30.00000	Aver	
45 Heptane	0.35204	0.36030	0.36030	0.010	2.34690	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.30534	0.30653	0.30653	0.010	0.39039	30.00000	Aver	(M)
47 Trichloroethene	0.46643	0.46447	0.46447	0.010	-0.41993	30.00000	Aver	
48 1,4-Dioxane	0.20166	0.21848	0.21848	0.010	8.34097	30.00000	Aver	(M)
49 Bromodichloromethane	0.69640	0.73889	0.73889	0.010	6.10201	30.00000	Aver	
50 Methylcyclohexane	0.23395	0.24646	0.24646	0.010	5.34529	30.00000	Aver	
51 Methyl Isobutyl Ketone	0.46436	0.44311	0.44311	0.010	-4.57540	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.49168	0.51744	0.51744	0.010	5.23887	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.44025	0.50320	0.50320	0.010	14.29718	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.87748	0.84456	0.84456	0.010	-3.75148	30.00000	Aver	
55 Toluene	1.12933	1.11106	1.11106	0.010	-1.61834	30.00000	Aver	
56 1,1,2-Trichloroethane	0.38715	0.39681	0.39681	0.010	2.49743	30.00000	Aver	
57 Methyl Butyl Ketone	0.69028	0.70111	0.70111	0.010	1.56786	30.00000	Aver	
58 Dibromochloromethane	1.15448	1.32178	1.32178	0.010	14.49129	30.00000	Aver	
59 1,2-Dibromoethane	1.01319	1.10276	1.10276	0.010	8.84018	30.00000	Aver	
60 Tetrachloroethene	0.98921	1.00870	1.00870	0.010	1.97025	30.00000	Aver	
62 Chlorobenzene	1.42603	1.49372	1.49372	0.010	4.74640	30.00000	Aver	
63 Ethyl Benzene	2.17573	2.44420	2.44420	0.010	12.33922	30.00000	Aver	
64 m&p-Xylene	1.74155	1.90293	1.90293	0.010	9.26637	30.00000	Aver	
65 Bromoform	0.95904	1.19930	1.19930	0.010	25.05186	30.00000	Aver	
66 Styrene	1.25619	1.44447	1.44447	0.010	14.98796	30.00000	Aver	
67 o-Xylene	1.80716	1.96407	1.96407	0.010	8.68324	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	1.05491	1.18335	1.18335	0.010	12.17509	30.00000	Aver	
69 Isopropylbenzene	2.44360	2.70214	2.70214	0.010	10.58049	30.00000	Aver	
70 N-Propylbenzene	2.53673	3.10185	3.10185	0.010	22.27761	30.00000	Aver	(M)
71 4-Ethyltoluene	2.20306	2.64670	2.64670	0.010	20.13754	30.00000	Aver	(M)
72 1,3,5-Trimethylbenzene	1.90874	2.25322	2.25322	0.010	18.04743	30.00000	Aver	
73 Tert-Butyl Benzene	2.00753	2.37217	2.37217	0.010	18.16399	30.00000	Aver	
74 1,2,4-Trimethylbenzene	1.87773	2.20849	2.20849	0.010	17.61465	30.00000	Aver	
75 1,3-Dichlorobenzene	1.24269	1.49362	1.49362	0.010	20.19220	30.00000	Aver	
76 Sec- Butylbenzene	2.56576	3.10066	3.10066	0.010	20.84789	30.00000	Aver	
77 1,4-dichlorobenzene-d4 (S)	0.57953	0.66100	0.66100	0.010	14.05842	30.00000	Aver	
78 Benzyl Chloride	10.00000	10.99337	1.67811	0.010	9.93374	30.00000	Line	
79 1,4-Dichlorobenzene	1.25160	1.45513	1.45513	0.010	16.26143	30.00000	Aver	
80 p-Isopropyltoluene	2.21284	2.64347	2.64347	0.010	19.46027	30.00000	Aver	(M)
81 1,2,3-Trimethylbenzene	1.84016	2.15973	2.15973	0.010	17.36614	30.00000	Aver	
82 1,2-Dichlorobenzene	1.17174	1.37766	1.37766	0.010	17.57441	30.00000	Aver	
83 N-Butylbenzene	1.79487	2.27814	2.27814	0.010	26.92447	30.00000	Aver	
84 1,2,4-Trichlorobenzene	10.00000	8.99968	0.59257	0.010	-10.00320	30.00000	Line	
85 Naphthalene	10.00000	9.17857	1.38617	0.010	-8.21434	30.00000	Line	
86 Hexachlorobutadiene	0.61503	0.67820	0.67820	0.010	10.27026	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\031416.b\07402.D
Report Date: 14-Mar-2016 10:08

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 7.11269
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

DATA USABILITY SUMMARY REPORT
FEBRUARY 2016 AIR SAMPLES
PROJECT: LMC GREAT NECK
NEW YORK
DATE SAMPLES COLLECTED: FEBRUARY 18, 2016
LAB REPORT No. 10339270

1.0 INTRODUCTION

Seventeen air samples including three field duplicate sample pairs were collected by Tetra Tech, Inc., at the Lockheed Martin Great Neck site on February 18, 2016. The samples were sent to Pace Analytical Services, Inc. in Minneapolis, Minnesota. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation was conducted using USEPA Region II Standard Operating Procedure (SOP) HW-31, June 2014, Revision 6.

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- Data completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- Initial/continuing calibrations
- Laboratory Method Blank Results
- Internal Standard Results
- Laboratory Control Sample Results
- * ● Laboratory Duplicate Sample Results
- Field Duplicate Precision
- * ● Compound Identification/Quantitation
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 10339270

Sample ID	Lab ID	Date Collected	Test Requested
VP-101_15_20160218	10339270007	2/18/2016	VOCs
VP-101_27_20160218	10339270008	2/18/2016	VOCs
VP-101_27_20160218 DUP	10339270009	2/18/2016	VOCs
VP-101_5_20160218	10339270006	2/18/2016	VOCs
VP-106_11_20160218	10339270011	2/18/2016	VOCs
VP-106_19.5_20160218	10339270012	2/18/2016	VOCs
VP-106_28_20160218	10339270013	2/18/2016	VOCs
VP-106_5_20160218	10339270010	2/18/2016	VOCs
VP-106_56_20160218	10339270014	2/18/2016	VOCs
VP-106_72_20160218	10339270015	2/18/2016	VOCs
VP-106_72_20160218 DUP	10339270016	2/18/2016	VOCs
VP-106_84_20160218	10339270017	2/18/2016	VOCs
VP-4_10_20160218	10339270003	2/18/2016	VOCs
VP-4_20_20160218	10339270004	2/18/2016	VOCs
VP-4_30_20160218	10339270005	2/18/2016	VOCs
VP-4_5_20160218	10339270001	2/18/2016	VOCs
VP-4_5_20160218 DUP	10339270002	2/18/2016	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

The data validator discovered that the m/z ion used to identify pentafluoroethyl chloride (chloropentafluoroethane) was incorrect (m/z 65 instead of m/z 85) affecting all samples in the data package. The laboratory was contacted confirmed the error. The data package and electronic deliverable were revised by the laboratory.

Pentafluoroethyl chloride was calibrated based on a single point calibration. The daily calibrations for this compound were also compromised because the reviewer discovered that the incorrect quantitation ion was selected for one analytical sequence and the incorrect retention time was selected for the second analytical sequence of calibration. The results for pentafluoroethyl chloride were rejected (UR) in all samples.

The remaining data package deliverables and the format requirements were met.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- The 30 day holding time from sample collection to analysis was exceeded for 1,2,4-trichlorobenzene, 1,4-dioxane, isopropanol, tetrachloroethene, and trichloroethene in sample VP-106_84_20160218. The detected and non-detected results reported for these compounds in this sample were qualified as estimated, (J) and (UJ), respectively.
- The remaining samples were properly preserved and analyzed within the required hold time for VOC analyses.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- The continuing calibration performed on 3/17/2016 @ 09:49 on instrument 10AIR7 had Percent Differences (%Ds) which exceeded the 30% quality control limit for 1-ethyl-4-methyl benzene (4-ethyltoluene) and 1,3,5-trimethylbenzene. All samples except VP-106_84_20160218 were affected. The detected and non-detected results reported for these compounds in the affected samples were qualified as estimated, (J) and (UJ), respectively.
- The continuing calibration performed on 3/29/2016 @ 08:45 on instrument 10AIRD had a %D for isopropanol (2-propanol) and a Percent Drift (%Drift) for 1,4-dioxane which exceeded the 30% quality control limit. Sample VP-106_84_20160218 was affected. The non-detected results were reported for these compounds in the affected sample were qualified as estimated, (UJ).
- The continuing calibration performed on 3/29/2016 @ 08:45 on instrument 10AIRD only reported results for 1,2,4-trichlorobenzene, isopropanol, 1,4-dioxane, trichloroethene, and tetrachloroethene.
- The initial calibration performed on instrument 10AIR7 on 3/15/2016 only shows one point of calibration (Level 6) for pentafluoroethyl chloride versus the standard six point calibration. This calibration was used for all samples.
- All initial and continuing calibration Relative Response Factors (RRFs) and Percent Relative Standard Deviations (%RSDs) were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set. However, as stated by the laboratory,

detected results reported for the common laboratory contaminant, methylene chloride, should be should be considered with high bias because the organic solvent vapor extraction laboratory is in the same building. The detected methylene chloride results reported for the samples in this DUSR were qualified as biased high, estimated, (J+).

Internal Standards Area Performance:

- The internal standard area counts and retention times fell within control limits for the project samples received and reviewed.

Laboratory Control Spike (LCS) Results:

- Pentafluoroethyl chloride was not recovered in the LCS analyses. All samples were affected. The non-detected results reported for this compound in the affected samples were qualified as rejected, (UR).
- The %R for hexachlorobutadiene (hexachloro-1,3-butadiene) was above the upper quality control limit in the LCS associated with QC batch #405529. No action was taken in the associated sample because this compound was not detected.
- The remaining LCS results were within the quality control limits.

Laboratory Duplicate Results:

- A laboratory duplicate analysis was performed on sample VP-101_27_20160218. All Relative Percent Differences (RPDs) for detected results were below the 25% quality control criterion.

Field Duplicate Precision: Field duplicates are collected to provide information on sampling precision.

- VP-101_27_20160218 was collected as a field duplicate sample of VP-101_27_20160218DUP. The results associated with these two samples fell within quality control limits.
- VP-106_72_20160218 was collected as a field duplicate sample of VP-106_72_20160218DUP. The RPDs for 1,1,2-trichlorotrifluoroethane, acetone, chlorodifluoromethane, cis-1,2-dichloroethane, hexane, methylene chloride, tetrachloroethene, toluene, and trichloroethene exceeded the 50% quality control criterion. In addition, the differences between the detected and/or non-detected results for 1,1-dichloroethene, 1,2,4-trimethylbenzene, benzene, chloroform, ethylbenzene, cyclohexane, m/p-xylenes, o-xylene, and trichlorofluoromethane exceeded 2X the RL. The detected and non-detected results reported for these compounds in the field duplicate pair were qualified as estimated, (J) and (UJ), respectively. The remaining results associated with these two samples fell within quality control limits.
- VP-4_5_20160218 was collected as a field duplicate sample of VP-4_5_20160218DUP. The results associated with these two samples fell within quality control limits.

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Detection Limits: Non-detected results were reported to the reporting limit (RL). All samples were analyzed at dilutions ranging from 1.34X to 1.75X, resulting in elevated reporting limits. Samples VP-106_56_20160218, VP-106_72_20160218 DUP, VP-106_84_20160218 were further diluted to report results for 1,2,4-trichlorobenzene, 1,4-dioxane, isopropanol, tetrachloroethene, and/or trichloroethene. Tetrachloroethene and trichloroethene exceeded the calibration range of the instrument in the initial analyses.

Additional Comments: All sample canisters contained an initial vacuum of approximately -28 to -30 psig and finished at -8 to -6.5 psig.

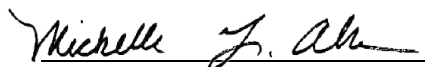
4.0 CONCLUSIONS

The results for pentafluoroethyl chloride were not considered as usable because this compound was not recovered in the LCS analyses and the calibration standards associated with the samples in this report.

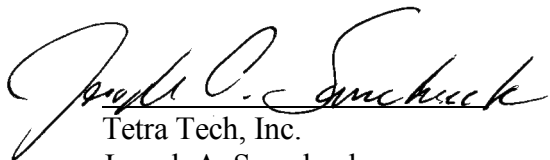
The detected results for methylene chloride should be considered a probable laboratory contaminant because of the following:

- The samples were analyzed in the same building as the organic solvent vapor extraction laboratory.

With the exception of the aforementioned detected methylene chloride and non-detected pentafluoroethyl chloride results, based on the outcome of data validation and as summarized in the DUSR, the data quality is acceptable with the qualifiers noted in this report.



Tetra Tech, Inc.
Michelle L. Allen
Chemist/Data Validator



Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

June 16, 2016

Attachments:

Appendix A – Qualified Analytical Results

Appendix B – Results as Reported by the Laboratory

Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $<$ CRQL for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $>40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $<30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-101_15_20160218			VP-101_27_20160218			VP-101_27_20160218 DUP			VP-101_5_20160218		
	LAB_ID	10339270007			10339270008			10339270009			10339270006		
	SAMP_DATE	2/18/2016			2/18/2016			2/18/2016			2/18/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-101_27_20160218					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9 U			1.9 U			1.9 U			1.8 U		
1,1,2,2-TETRACHLOROETHANE		1.2 U			1.2 U			1.2 U			1.1 U		
1,1,2-TRICHLOROETHANE		0.92 U			0.92 U			0.96 U			0.89 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		37.6			299			279			2.6 U		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.3 U			5.3 U			5.6 U			5.1 U		
1,1-DICHLOROETHANE		1.4 U			1.4 U			1.4 U			1.3 U		
1,1-DICHLOROETHENE		1.4 U			1.4 U			1.4 U			1.3 U		
1,1-DIFLUOROETHANE		2.3 U			2.3 U			2.4 U			2.2 U		
1,2,4-TRICHLOROBENZENE		127 U			127 U			132 U			121 U		
1,2,4-TRIMETHYLBENZENE		1.7 U			1.7 U			1.7 U			1.6 U		
1,2-DIBROMO-3-CHLOROPROPANE		8.2 U			8.2 U			8.6 U			7.9 U		
1,2-DIBROMOETHANE		2.6 U			2.6 U			2.7 U			2.5 U		
1,2-DICHLOROBENZENE		5.1 U			5.1 U			5.3 U			4.9 U		
1,2-DICHLOROETHANE		0.69 U			0.69 U			0.72 U			0.66 U		
1,2-DICHLOROPROPANE		1.6 U			1.6 U			1.6 U			1.5 U		
1,2-DICHLOROTETRAFLUOROETHANE		2.4 U			2.4 U			2.5 U			3.7		
1,3,5-TRIMETHYLBENZENE		1.7 UJ	C		1.7 UJ	C		1.7 UJ	C		1.6 UJ	C	
1,3-BUTADIENE		0.76 U			0.76 U			0.79 U			0.72 U		
1,3-DICHLOROBENZENE		4.4 U			4.4 U			4.6 U			4.2 U		
1,4-DICHLOROBENZENE		8.8 U			8.8 U			9.2 U			8.5 U		
1,4-DIOXANE		6.1 U			6.1 U			6.4 U			5.9 U		
1-ETHYL-4-METHYL BENZENE		1.7 UJ	C		1.7 UJ	C		1.8 UJ	C		1.6 UJ	C	
2-BUTANONE		5 U			5.8			5.2 U			4.8 U		
2-HEXANONE		7 U			7 U			7.3 U			6.7 U		
3-CHLOROPROPENE		2.7 U			2.7 U			2.8 U			2.6 U		
4-METHYL-2-PENTANONE		7 U			7 U			7.3 U			6.7 U		
ACETONE		19.5			19.4			11.9			3.9 U		
BENZENE		0.97			0.95			0.57 U			0.52 U		
BROMODICHLOROMETHANE		2.3 U			2.3 U			2.4 U			2.2 U		
BROMOFORM		89.5 U			89.5 U			93.2 U			85.7 U		
BROMOMETHANE		1.3 U			1.3 U			1.4 U			1.3 U		
CARBON DISULFIDE		1.1 U			1.1 U			1.1 U			1 U		
CARBON TETRACHLORIDE		1.1 U			1.1 U			1.1 U			1 U		
CHLOROBENZENE		1.6 U			1.6 U			1.6 U			1.5 U		
CHLORODIBROMOMETHANE		2.9 U			2.9 U			3 U			2.8 U		

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-106_11_20160218			VP-106_19.5_20160218			VP-106_28_20160218			VP-106_5_20160218		
	LAB_ID	10339270011			10339270012			10339270013			10339270010		
	SAMP_DATE	2/18/2016			2/18/2016			2/18/2016			2/18/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.5	U		1.8	U		1.8	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		0.94	U		1.1	U		1.1	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.74	U		0.89	U		0.89	U		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.1	U		2.6	U		2.6	U		2.7	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		4.3	U		5.1	U		5.1	U		5.3	U	
1,1-DICHLOROETHANE		1.1	U		1.3	U		1.3	U		1.4	U	
1,1-DICHLOROETHENE		1.1	U		1.3	U		1.3	U		1.4	U	
1,1-DIFLUOROETHANE		1.8	U		2.2	U		2.2	U		2.3	U	
1,2,4-TRICHLOROBENZENE		101	U		121	U		121	U		127	U	
1,2,4-TRIMETHYLBENZENE		5.4			1.6	U		1.6	U		1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		6.6	U		7.9	U		7.9	U		8.2	U	
1,2-DIBROMOETHANE		2.1	U		2.5	U		2.5	U		2.6	U	
1,2-DICHLOROBENZENE		4.1	U		4.9	U		4.9	U		5.1	U	
1,2-DICHLOROETHANE		0.55	U		0.66	U		0.66	U		0.69	U	
1,2-DICHLOROPROPANE		1.3	U		1.5	U		1.5	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		1.9	U		2.3	U		2.3	U		2.4	U	
1,3,5-TRIMETHYLBENZENE		1.8	J	C	1.6	UJ	C	1.6	UJ	C	1.7	UJ	C
1,3-BUTADIENE		0.6	U		0.72	U		0.72	U		0.76	U	
1,3-DICHLOROBENZENE		3.5	U		4.2	U		4.2	U		4.4	U	
1,4-DICHLOROBENZENE		7	U		8.5	U		8.5	U		8.8	U	
1,4-DIOXANE		4.9	U		5.9	U		5.9	U		6.1	U	
1-ETHYL-4-METHYL BENZENE		1.8	J	C	1.6	UJ	C	1.6	UJ	C	1.7	UJ	C
2-BUTANONE		4	U		4.8	U		4.8	U		5	U	
2-HEXANONE		5.6	U		6.7	U		6.7	U		7	U	
3-CHLOROPROPENE		2.1	U		2.6	U		2.6	U		2.7	U	
4-METHYL-2-PENTANONE		5.6	U		6.7	U		6.7	U		7	U	
ACETONE		16.1			8.6			10.1			24.5		
BENZENE		1.9			0.52	U		0.52	U		0.55	U	
BROMODICHLOROMETHANE		1.8	U		2.2	U		2.2	U		2.3	U	
BROMOFORM		71.4	U		85.7	U		85.7	U		89.5	U	
BROMOMETHANE		1.1	U		1.3	U		1.3	U		1.3	U	
CARBON DISULFIDE		0.84	U		1	U		1	U		1.1	U	
CARBON TETRACHLORIDE		0.86	U		1	U		1	U		1.1	U	
CHLOROBENZENE		1.3	U		1.5	U		1.5	U		1.6	U	
CHLORODIBROMOMETHANE		2.3	U		2.8	U		2.8	U		2.9	U	

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-106_56_20160218			VP-106_72_20160218			VP-106_72_20160218 DUP			VP-106_84_20160218		
	LAB_ID	10339270014			10339270015			10339270016			10339270017		
	SAMP_DATE	2/18/2016			2/18/2016			2/18/2016			2/18/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-106_72_20160218					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U		1.9	U		2.3			3.5		
1,1,2,2-TETRACHLOROETHANE		1.2	U		1.2	U		1.1	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.92	U		0.92	U		0.89	U		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		31.3			9.3	J	G	116	J	G	159		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.3	U		5.3	U		5.1	U		5.3	U	
1,1-DICHLOROETHANE		1.4	U		1.4	U		1.3	U		1.4	U	
1,1-DICHLOROETHENE		1.4	U		1.4	UJ	G	7.1	J	G	15.1		
1,1-DIFLUOROETHANE		2.3	U		2.3	U		2.2	U		2.3	U	
1,2,4-TRICHLOROBENZENE		127	U		127	U		121	U		507	UJ	H
1,2,4-TRIMETHYLBENZENE		1.7	U		13.7	J	G	2.2	J	G	1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		8.2	U		8.2	U		7.9	U		8.2	U	
1,2-DIBROMOETHANE		2.6	U		2.6	U		2.5	U		2.6	U	
1,2-DICHLOROBENZENE		5.1	U		5.1	U		4.9	U		2	U	
1,2-DICHLOROETHANE		0.69	U		0.69	U		0.66	U		0.69	U	
1,2-DICHLOROPROPANE		1.6	U		1.6	U		1.5	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.4	U		2.4	U		2.3	U		2.4	U	
1,3,5-TRIMETHYLBENZENE		1.7	UJ	C	4.4	J	C	1.6	UJ	C	1.7	U	
1,3-BUTADIENE		0.76	U		0.76	U		0.72	U		0.76	U	
1,3-DICHLOROBENZENE		4.4	U		4.4	U		4.2	U		2	U	
1,4-DICHLOROBENZENE		8.8	U		8.8	U		8.5	U		2	U	
1,4-DIOXANE		6.1	U		6.1	U		5.9	U		492	UJ	CH
1-ETHYL-4-METHYL BENZENE		1.7	UJ	C	4.1	J	C	1.6	UJ	C	1.7	U	
2-BUTANONE		5	U		5	U		4.8	U		5	U	
2-HEXANONE		7	U		7	U		6.7	U		7	U	
3-CHLOROPROPENE		2.7	U		2.7	U		2.6	U		2.7	U	
4-METHYL-2-PENTANONE		7	U		7	U		6.7	U		7	U	
ACETONE		20.9			32.4	J	G	10	J	G	5.1		
BENZENE		0.58			3.1	J	G	1.1	J	G	0.76		
BROMODICHLOROMETHANE		2.3	U		2.3	U		2.2	U		2.3	U	
BROMOFORM		89.5	U		89.5	U		85.7	U		8.8	U	
BROMOMETHANE		1.3	U		1.3	U		1.3	U		1.3	U	
CARBON DISULFIDE		1.1	U		1.1	U		1	U		1.1	U	
CARBON TETRACHLORIDE		1.1	U		1.1	U		1	U		1.1	U	
CHLOROBENZENE		1.6	U		1.6	U		1.5	U		1.6	U	
CHLORODIBROMOMETHANE		2.9	U		2.9	U		2.8	U		2.9	U	

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-4_10_20160218			VP-4_20_20160218			VP-4_30_20160218			VP-4_5_20160218		
	LAB_ID	10339270003			10339270004			10339270005			10339270001		
	SAMP_DATE	2/18/2016			2/18/2016			2/18/2016			2/18/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.8	U		4.7			1.8	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.1	U		1.1	U		1.1	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.89	U		0.89	U		0.89	U		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.6	U		2.6	U		4.6			2.7	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.1	U		5.1	U		5.1	U		5.3	U	
1,1-DICHLOROETHANE		1.3	U		1.3	U		1.3	U		1.4	U	
1,1-DICHLOROETHENE		1.3	U		1.3	U		1.3	U		1.4	U	
1,1-DIFLUOROETHANE		2.2	U		2.2	U		2.2	U		2.3	U	
1,2,4-TRICHLOROBENZENE		121	U		121	U		121	U		127	U	
1,2,4-TRIMETHYLBENZENE		1.6	U		1.6	U		1.6	U		1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		7.9	U		7.9	U		7.9	U		8.2	U	
1,2-DIBROMOETHANE		2.5	U		2.5	U		2.5	U		2.6	U	
1,2-DICHLOROBENZENE		4.9	U		4.9	U		4.9	U		5.1	U	
1,2-DICHLOROETHANE		0.66	U		0.66	U		0.66	U		0.69	U	
1,2-DICHLOROPROPANE		1.5	U		1.5	U		1.5	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.3	U		2.3	U		2.3	U		2.4	U	
1,3,5-TRIMETHYLBENZENE		1.6	UJ	C	1.6	UJ	C	1.6	UJ	C	1.7	UJ	C
1,3-BUTADIENE		0.72	U		0.72	U		0.72	U		0.76	U	
1,3-DICHLOROBENZENE		4.2	U		4.2	U		4.2	U		4.4	U	
1,4-DICHLOROBENZENE		8.5	U		8.5	U		8.5	U		8.8	U	
1,4-DIOXANE		5.9	U		5.9	U		5.9	U		6.1	U	
1-ETHYL-4-METHYL BENZENE		1.6	UJ	C	1.6	UJ	C	1.6	UJ	C	1.7	UJ	C
2-BUTANONE		9.4			4.8	U		6.1			5	U	
2-HEXANONE		6.7	U		6.7	U		6.7	U		7	U	
3-CHLOROPROPENE		2.6	U		2.6	U		2.6	U		2.7	U	
4-METHYL-2-PENTANONE		6.7	U		6.7	U		6.7	U		7	U	
ACETONE		29.3			12.8			22.5			7.5		
BENZENE		0.52	U		0.52	U		0.52	U		0.55	U	
BROMODICHLOROMETHANE		2.2	U		2.2	U		2.2	U		2.3	U	
BROMOFORM		85.7	U		85.7	U		85.7	U		89.5	U	
BROMOMETHANE		1.3	U		1.3	U		1.3	U		1.3	U	
CARBON DISULFIDE		1	U		1	U		1	U		1.1	U	
CARBON TETRACHLORIDE		1	U		1	U		1	U		1.1	U	
CHLOROBENZENE		1.5	U		1.5	U		1.5	U		1.6	U	
CHLORODIBROMOMETHANE		2.8	U		2.8	U		2.8	U		2.9	U	

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-4_5_20160218 DUP		
	LAB_ID	10339270002		
	SAMP_DATE	2/18/2016		
	QC_TYPE	NM		
	UNITS	UG/M3		
	PCT_SOLIDS			
	DUP_OF	VP-4_5_20160218		
PARAMETER		RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U	
1,1,2-TRICHLOROETHANE		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.7	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.3	U	
1,1-DICHLOROETHANE		1.4	U	
1,1-DICHLOROETHENE		1.4	U	
1,1-DIFLUOROETHANE		2.3	U	
1,2,4-TRICHLOROBENZENE		127	U	
1,2,4-TRIMETHYLBENZENE		1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		8.2	U	
1,2-DIBROMOETHANE		2.6	U	
1,2-DICHLOROBENZENE		5.1	U	
1,2-DICHLOROETHANE		0.69	U	
1,2-DICHLOROPROPANE		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.4	U	
1,3,5-TRIMETHYLBENZENE		1.7	UJ	C
1,3-BUTADIENE		0.76	U	
1,3-DICHLOROBENZENE		4.4	U	
1,4-DICHLOROBENZENE		8.8	U	
1,4-DIOXANE		6.1	U	
1-ETHYL-4-METHYL BENZENE		1.7	UJ	C
2-BUTANONE		5	U	
2-HEXANONE		7	U	
3-CHLOROPROPENE		2.7	U	
4-METHYL-2-PENTANONE		7	U	
ACETONE		7.9		
BENZENE		0.55	U	
BROMODICHLOROMETHANE		2.3	U	
BROMOFORM		89.5	U	
BROMOMETHANE		1.3	U	
CARBON DISULFIDE		1.1	U	
CARBON TETRACHLORIDE		1.1	U	
CHLOROBENZENE		1.6	U	
CHLORODIBROMOMETHANE		2.9	U	

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-101_15_20160218			VP-101_27_20160218			VP-101_27_20160218 DUP			VP-101_5_20160218		
	LAB_ID	10339270007			10339270008			10339270009			10339270006		
	SAMP_DATE	2/18/2016			2/18/2016			2/18/2016			2/18/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-101_27_20160218					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		2.6			5.2			6.9			1.7		
CHLOROETHANE		0.91	U		0.91	U		0.94	U		0.87	U	
CHLOROFORM		1.5			1.6			1.5			0.8	U	
CHLOROMETHANE		0.71	U		0.71	U		0.74	U		0.68	U	
CIS-1,2-DICHLOROETHENE		1.4	U		1.4	U		1.4	U		1.3	U	
CIS-1,3-DICHLOROPROPENE		1.5	U		1.5	U		1.6	U		1.5	U	
CYCLOHEXANE		1.2	U		1.2	U		1.2	U		1.1	U	
DICHLORODIFLUOROMETHANE		2.2			3.1			2			2.7		
ETHYLBENZENE		1.5	U		1.5	U		1.5	U		1.4	U	
HEXACHLOROBUTADIENE		3.7	U		3.7	U		3.8	U		3.5	U	
HEXANE		1.2	U		1.2	U		1.3	U		1.2	U	
ISOPROPANOL		4.2	U		6.9			11.9			4	U	
ISOPROPYLBENZENE		4.2	U		4.2	U		4.4	U		4	U	
M+P-XYLENES		3	U		3	U		3.1	U		2.8	U	
METHYL ACETATE		2.6	U		2.6	U		2.7	U		2.5	U	
METHYL CYCLOHEXANE		1.4	U		1.4	U		1.4	U		1.3	U	
METHYL TERT-BUTYL ETHER		6.2	U		6.2	U		6.4	U		5.9	U	
METHYLENE CHLORIDE		5.9	U		5.9	U		6.2	U		5.7	U	
O-XYLENE		1.5	U		1.5	U		1.5	U		1.4	U	
PENTAFLUOROETHYL CHLORIDE		5.4	UR	CE	5.4	UR	CE	5.6	UR	CE	5.2	UR	CE
STYRENE		1.5	U		1.5	U		1.5	U		1.4	U	
TETRACHLOROETHENE		5.1			53.5			49.1			1.8		
TOLUENE		1.3	U		1.3	U		1.7			1.2	U	
TRANS-1,2-DICHLOROETHENE		1.4	U		1.4	U		1.4	U		1.3	U	
TRANS-1,3-DICHLOROPROPENE		1.5	U		1.5	U		1.6	U		1.5	U	
TRICHLOROETHENE		2.9			68.5			65.7			1.3		
TRICHLOROFLUOROMETHANE		1.9	U		5.3			5.1			1.8	U	
VINYL CHLORIDE		0.44	U		0.44	U		0.46	U		0.42	U	

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-106_11_20160218			VP-106_19.5_20160218			VP-106_28_20160218			VP-106_5_20160218		
	LAB_ID	10339270011			10339270012			10339270013			10339270010		
	SAMP_DATE	2/18/2016			2/18/2016			2/18/2016			2/18/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		41.5			7.9			1.2	U		1.4		
CHLOROETHANE		0.72	U		0.87	U		0.87	U		0.91	U	
CHLOROFORM		0.97			2			1.2			2.1		
CHLOROMETHANE		0.56	U		0.68	U		0.68	U		0.71	U	
CIS-1,2-DICHLOROETHENE		1.1	U		1.3	U		1.3	U		1.4	U	
CIS-1,3-DICHLOROPROPENE		1.2	U		1.5	U		1.5	U		1.5	U	
CYCLOHEXANE		3.6			1.1	U		1.1	U		1.2	U	
DICHLORODIFLUOROMETHANE		2.8			1.9			2.1			2.2		
ETHYLBENZENE		2.9			1.4	U		1.4	U		1.5	U	
HEXACHLOROBUTADIENE		2.9	U		3.5	U		3.5	U		3.7	U	
HEXANE		39.3			1.2	U		1.2	U		1.2	U	
ISOPROPANOL		3.4	U		4	U		4	U		4.2	U	
ISOPROPYLBENZENE		3.4	U		4	U		4	U		4.2	U	
M+P-XYLENES		12.9			2.8	U		2.8	U		3	U	
METHYL ACETATE		2.1	U		2.5	U		2.5	U		2.6	U	
METHYL CYCLOHEXANE		1.4			1.3	U		1.3	U		1.4	U	
METHYL TERT-BUTYL ETHER		4.9	U		5.9	U		5.9	U		6.2	U	
METHYLENE CHLORIDE		260	J+	A	5.7	U		5.7	U		5.9	U	
O-XYLENE		5			1.4	U		1.4	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		4.3	UR	CE	5.2	UR	CE	5.2	UR	CE	5.4	UR	CE
STYRENE		1.2	U		1.4	U		1.4	U		1.5	U	
TETRACHLOROETHENE		4.3			22.5			32.4			3		
TOLUENE		29.1			1.2	U		1.2	U		1.3	U	
TRANS-1,2-DICHLOROETHENE		1.1	U		1.3	U		1.3	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.2	U		1.5	U		1.5	U		1.5	U	
TRICHLOROETHENE		0.79			11.2			13.7			0.92	U	
TRICHLOROFLUOROMETHANE		1.9			2.2			2.4			1.9	U	
VINYL CHLORIDE		0.35	U		0.42	U		0.42	U		0.44	U	

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-106_56_20160218			VP-106_72_20160218			VP-106_72_20160218 DUP			VP-106_84_20160218		
	LAB_ID	10339270014			10339270015			10339270016			10339270017		
	SAMP_DATE	2/18/2016			2/18/2016			2/18/2016			2/18/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF							VP-106_72_20160218					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		64.1			123 J	G		47.7 J	G		1.2 U		
CHLOROETHANE		0.91 U			0.91 U			0.87 U			0.91 U		
CHLOROFORM		1.3			0.83 UJ	G		4 J	G		3.9		
CHLOROMETHANE		0.71 U			0.71 U			0.68 U			0.71 U		
CIS-1,2-DICHLOROETHENE		43.8			7.4 J	G		103 J	G		91		
CIS-1,3-DICHLOROPROPENE		1.5 U			1.5 U			1.5 U			1.5 U		
CYCLOHEXANE		1.2 U			4.7 J	G		1.1 UJ	G		1.2 U		
DICHLORODIFLUOROMETHANE		2.1			2.5			2.2			1.7 U		
ETHYLBENZENE		1.5 U			5.6 J	G		1.4 UJ	G		1.5 U		
HEXACHLOROBUTADIENE		3.7 U			3.7 U			3.5 U			3.7 U		
HEXANE		1.2 U			50.1 J	G		7.5 J	G		2.1		
ISOPROPANOL		4.2 U			4.2 U			4 U			336 UJ	CH	
ISOPROPYLBENZENE		4.2 U			4.2 U			4 U			4.2 U		
M+P-XYLENES		3 U			25.5 J	G		3.1 J	G		3 U		
METHYL ACETATE		2.6 U			2.6 U			2.5 U			2.6 U		
METHYL CYCLOHEXANE		1.4 U			2.1			1.3 U			1.4 U		
METHYL TERT-BUTYL ETHER		6.2 U			6.2 U			5.9 U			6.2 U		
METHYLENE CHLORIDE		5.9 U			434 J+	AG		53.4 J+	AG		10.9 J+	A	
O-XYLENE		1.5 U			10.4 J	G		1.4 UJ	G		1.5 U		
PENTAFLUOROETHYL CHLORIDE		5.4 UR	CE		5.4 UR	CE		5.2 UR	CE		5.4 UR	CE	
STYRENE		1.5 U			1.5 U			1.4 U			1.5 U		
TETRACHLOROETHENE		275			41.2 J	G		355 J	G		580 J	H	
TOLUENE		4.6			34 J	G		6.5 J	G		6.7		
TRANS-1,2-DICHLOROETHENE		1.5			1.4 U			3.5			3.1		
TRANS-1,3-DICHLOROPROPENE		1.5 U			1.5 U			1.5 U			1.5 U		
TRICHLOROETHENE		686			214 J	G		1650 J	G		2370 J	H	
TRICHLOROFLUOROMETHANE		7.9			3.5 J	G		12.6 J	G		12.1		
VINYL CHLORIDE		0.44 U			0.44 U			0.42 U			0.44 U		

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-4_10_20160218			VP-4_20_20160218			VP-4_30_20160218			VP-4_5_20160218		
	LAB_ID	10339270003			10339270004			10339270005			10339270001		
	SAMP_DATE	2/18/2016			2/18/2016			2/18/2016			2/18/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		2.7			8.8			1.2	U		3.5		
CHLOROETHANE		0.87	U		0.87	U		0.87	U		0.91	U	
CHLOROFORM		1.3			0.8	U		0.87			0.83	U	
CHLOROMETHANE		0.68	U		0.68	U		0.68	U		0.71	U	
CIS-1,2-DICHLOROETHENE		1.3	U		1.3	U		2.3			1.4	U	
CIS-1,3-DICHLOROPROPENE		1.5	U		1.5	U		1.5	U		1.5	U	
CYCLOHEXANE		1.1	U		1.1	U		1.1	U		1.2	U	
DICHLORODIFLUOROMETHANE		2.3			2.5			2.9			1.8		
ETHYLBENZENE		1.4	U		1.4	U		1.4	U		1.5	U	
HEXACHLOROBUTADIENE		3.5	U		3.5	U		3.5	U		3.7	U	
HEXANE		1.2	U		1.2	U		1.2	U		1.2	U	
ISOPROPANOL		4	U		4.5			6.5			9.8		
ISOPROPYLBENZENE		4	U		4	U		4	U		4.2	U	
M+P-XYLENES		2.8	U		2.8	U		2.8	U		3	U	
METHYL ACETATE		2.5	U		2.5	U		2.5	U		2.6	U	
METHYL CYCLOHEXANE		1.3	U		1.3	U		1.3	U		1.4	U	
METHYL TERT-BUTYL ETHER		5.9	U		5.9	U		5.9	U		6.2	U	
METHYLENE CHLORIDE		5.7	U		5.7	U		5.7	U		5.9	U	
O-XYLENE		1.4	U		1.4	U		1.4	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.2	UR	CE	5.2	UR	CE	5.2	UR	CE	5.4	UR	CE
STYRENE		1.4	U		1.4	U		1.4	U		1.5	U	
TETRACHLOROETHENE		5.5			5.8			70.2			5.2		
TOLUENE		1.2	U		1.2	U		1.2	U		1.3	U	
TRANS-1,2-DICHLOROETHENE		1.3	U		1.3	U		1.3	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.5	U		1.5	U		1.5	U		1.5	U	
TRICHLOROETHENE		4			5.9			63.7			2.2		
TRICHLOROFLUOROMETHANE		1.8	U		1.8	U		1.8	U		1.9	U	
VINYL CHLORIDE		0.42	U		0.42	U		0.42	U		0.44	U	

PROJ_NO: 07792 SDG: 10339270 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-4_5_20160218 DUP		
	LAB_ID	10339270002		
	SAMP_DATE	2/18/2016		
	QC_TYPE	NM		
	UNITS	UG/M3		
	PCT_SOLIDS			
	DUP_OF	VP-4_5_20160218		
PARAMETER		RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		3.2		
CHLOROETHANE		0.91	U	
CHLOROFORM		0.83	U	
CHLOROMETHANE		0.71	U	
CIS-1,2-DICHLOROETHENE		1.4	U	
CIS-1,3-DICHLOROPROPENE		1.5	U	
CYCLOHEXANE		1.2	U	
DICHLORODIFLUOROMETHANE		2.4		
ETHYLBENZENE		1.5	U	
HEXACHLOROBUTADIENE		3.7	U	
HEXANE		1.2	U	
ISOPROPANOL		4.2	U	
ISOPROPYLBENZENE		4.2	U	
M+P-XYLENES		3	U	
METHYL ACETATE		2.6	U	
METHYL CYCLOHEXANE		1.4	U	
METHYL TERT-BUTYL ETHER		6.2	U	
METHYLENE CHLORIDE		5.9	U	
O-XYLENE		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.4	UR	CE
STYRENE		1.5	U	
TETRACHLOROETHENE		5.2		
TOLUENE		1.3	U	
TRANS-1,2-DICHLOROETHENE		1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.5	U	
TRICHLOROETHENE		1.7		
TRICHLOROFLUOROMETHANE		1.9	U	
VINYL CHLORIDE		0.44	U	

Appendix B

Results as Reported by the Laboratory

ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-4_5_20160218		Lab ID: 10339270001		Collected: 02/18/16 12:25		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/17/16 18:42	75-37-6		
Acetone	7.5	ug/m3	4.1	1.68		03/17/16 18:42	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/17/16 18:42	107-05-1		
Benzene	ND	ug/m3	0.55	1.68		03/17/16 18:42	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/17/16 18:42	75-27-4		
Bromoform	ND	ug/m3	89.5	1.68		03/17/16 18:42	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/17/16 18:42	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/17/16 18:42	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/17/16 18:42	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/17/16 18:42	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/17/16 18:42	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/17/16 18:42	108-90-7		
Chlorodifluoromethane	3.5	ug/m3	1.2	1.68		03/17/16 18:42	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/17/16 18:42	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		03/17/16 18:42	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/17/16 18:42	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/17/16 18:42	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.68		03/17/16 18:42	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/17/16 18:42	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/17/16 18:42	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/17/16 18:42	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/17/16 18:42	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.4	1.68		03/17/16 18:42	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.8	1.68		03/17/16 18:42	106-46-7		
Dichlorodifluoromethane	1.8	ug/m3	1.7	1.68		03/17/16 18:42	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/17/16 18:42	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/17/16 18:42	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 18:42	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 18:42	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 18:42	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/17/16 18:42	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 18:42	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 18:42	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/17/16 18:42	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/17/16 18:42	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/17/16 18:42	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/17/16 18:42	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/17/16 18:42	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/17/16 18:42	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		03/17/16 18:42	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/17/16 18:42	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/17/16 18:42	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/17/16 18:42	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/17/16 18:42	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/17/16 18:42	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/17/16 18:42	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/17/16 18:42	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-4_5_20160218		Lab ID: 10339270001	Collected: 02/18/16 12:25	Received: 02/20/16 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
2-Propanol	9.8	ug/m3	4.2	1.68		03/17/16 18:42	67-63-0	
Styrene	ND	ug/m3	1.5	1.68		03/17/16 18:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/17/16 18:42	79-34-5	
Tetrachloroethene	5.2	ug/m3	1.2	1.68		03/17/16 18:42	127-18-4	
Toluene	ND	ug/m3	1.3	1.68		03/17/16 18:42	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/17/16 18:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/17/16 18:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/17/16 18:42	79-00-5	
Trichloroethene	2.2	ug/m3	0.92	1.68		03/17/16 18:42	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/17/16 18:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		03/17/16 18:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 18:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 18:42	108-67-8	
Vinyl chloride	ND	ug/m3	0.44	1.68		03/17/16 18:42	75-01-4	
m&p-Xylene	ND	ug/m3	3.0	1.68		03/17/16 18:42	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.68		03/17/16 18:42	95-47-6	

Sample: VP-4_5_20160218 DUP		Lab ID: 10339270002	Collected: 02/18/16 12:22	Received: 02/20/16 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
		Analytical Method: TO-15						
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/17/16 18:15	75-37-6	
Acetone	7.9	ug/m3	4.1	1.68		03/17/16 18:15	67-64-1	
Allyl chloride	ND	ug/m3	2.7	1.68		03/17/16 18:15	107-05-1	
Benzene	ND	ug/m3	0.55	1.68		03/17/16 18:15	71-43-2	
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/17/16 18:15	75-27-4	
Bromoform	ND	ug/m3	89.5	1.68		03/17/16 18:15	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		03/17/16 18:15	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/17/16 18:15	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/17/16 18:15	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.68		03/17/16 18:15	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/17/16 18:15	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		03/17/16 18:15	108-90-7	
Chlorodifluoromethane	3.2	ug/m3	1.2	1.68		03/17/16 18:15	75-45-6	
Chloroethane	ND	ug/m3	0.91	1.68		03/17/16 18:15	75-00-3	
Chloroform	ND	ug/m3	0.83	1.68		03/17/16 18:15	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68		03/17/16 18:15	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/17/16 18:15	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.2	1.68		03/17/16 18:15	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/17/16 18:15	96-12-8	
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/17/16 18:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/17/16 18:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/17/16 18:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	4.4	1.68		03/17/16 18:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	8.8	1.68		03/17/16 18:15	106-46-7	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-4_5_20160218 DUP		Lab ID: 10339270002	Collected: 02/18/16 12:22	Received: 02/20/16 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Analytical Method: TO-15								
Dichlorodifluoromethane	2.4	ug/m3	1.7	1.68		03/17/16 18:15	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/17/16 18:15	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/17/16 18:15	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 18:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 18:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 18:15	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/17/16 18:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 18:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 18:15	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/17/16 18:15	76-14-2	
Freon 123	ND	ug/m3	5.3	1.68		03/17/16 18:15	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/17/16 18:15	123-91-1	
Ethylbenzene	ND	ug/m3	1.5	1.68		03/17/16 18:15	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/17/16 18:15	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/17/16 18:15	87-68-3	
n-Hexane	ND	ug/m3	1.2	1.68		03/17/16 18:15	110-54-3	
2-Hexanone	ND	ug/m3	7.0	1.68		03/17/16 18:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/17/16 18:15	98-82-8	
Methyl acetate	ND	ug/m3	2.6	1.68		03/17/16 18:15	79-20-9	
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/17/16 18:15	108-87-2	
Methylene Chloride	ND	ug/m3	5.9	1.68		03/17/16 18:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/17/16 18:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/17/16 18:15	1634-04-4	
2-Propanol	ND	ug/m3	4.2	1.68		03/17/16 18:15	67-63-0	
Styrene	ND	ug/m3	1.5	1.68		03/17/16 18:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/17/16 18:15	79-34-5	
Tetrachloroethene	5.2	ug/m3	1.2	1.68		03/17/16 18:15	127-18-4	
Toluene	ND	ug/m3	1.3	1.68		03/17/16 18:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/17/16 18:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/17/16 18:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/17/16 18:15	79-00-5	
Trichloroethene	1.7	ug/m3	0.92	1.68		03/17/16 18:15	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/17/16 18:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		03/17/16 18:15	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 18:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 18:15	108-67-8	
Vinyl chloride	ND	ug/m3	0.44	1.68		03/17/16 18:15	75-01-4	
m&p-Xylene	ND	ug/m3	3.0	1.68		03/17/16 18:15	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.68		03/17/16 18:15	95-47-6	

Sample: VP-4_10_20160218		Lab ID: 10339270003	Collected: 02/18/16 12:41	Received: 02/20/16 09:00	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15								
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		03/18/16 00:09	75-37-6	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-4_10_20160218		Lab ID: 10339270003		Collected: 02/18/16 12:41		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	29.3	ug/m3	3.9	1.61		03/18/16 00:09	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		03/18/16 00:09	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		03/18/16 00:09	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/18/16 00:09	75-27-4		
Bromoform	ND	ug/m3	85.7	1.61		03/18/16 00:09	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		03/18/16 00:09	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/18/16 00:09	106-99-0		
2-Butanone (MEK)	9.4	ug/m3	4.8	1.61		03/18/16 00:09	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/18/16 00:09	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		03/18/16 00:09	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/18/16 00:09	108-90-7		
Chlorodifluoromethane	2.7	ug/m3	1.2	1.61		03/18/16 00:09	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		03/18/16 00:09	75-00-3		
Chloroform	1.3	ug/m3	0.80	1.61		03/18/16 00:09	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/18/16 00:09	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		03/18/16 00:09	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.1	1.61		03/18/16 00:09	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/18/16 00:09	96-12-8		
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/18/16 00:09	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/18/16 00:09	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		03/18/16 00:09	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.2	1.61		03/18/16 00:09	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.5	1.61		03/18/16 00:09	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.6	1.61		03/18/16 00:09	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/18/16 00:09	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/18/16 00:09	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		03/18/16 00:09	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/18/16 00:09	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/18/16 00:09	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/18/16 00:09	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/18/16 00:09	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/18/16 00:09	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		03/18/16 00:09	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		03/18/16 00:09	306-83-2		SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/18/16 00:09	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/18/16 00:09	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/18/16 00:09	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/18/16 00:09	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		03/18/16 00:09	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/18/16 00:09	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/18/16 00:09	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/18/16 00:09	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/18/16 00:09	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		03/18/16 00:09	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/18/16 00:09	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/18/16 00:09	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		03/18/16 00:09	67-63-0		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-4_10_20160218		Lab ID: 10339270003		Collected: 02/18/16 12:41		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Styrene	ND	ug/m3	1.4	1.61			03/18/16 00:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61			03/18/16 00:09	79-34-5	
Tetrachloroethene	5.5	ug/m3	1.1	1.61			03/18/16 00:09	127-18-4	
Toluene	ND	ug/m3	1.2	1.61			03/18/16 00:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	121	1.61			03/18/16 00:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61			03/18/16 00:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61			03/18/16 00:09	79-00-5	
Trichloroethene	4.0	ug/m3	0.89	1.61			03/18/16 00:09	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.61			03/18/16 00:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61			03/18/16 00:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61			03/18/16 00:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61			03/18/16 00:09	108-67-8	
Vinyl chloride	ND	ug/m3	0.42	1.61			03/18/16 00:09	75-01-4	
m&p-Xylene	ND	ug/m3	2.8	1.61			03/18/16 00:09	179601-23-1	
o-Xylene	ND	ug/m3	1.4	1.61			03/18/16 00:09	95-47-6	

Sample: VP-4_20_20160218		Lab ID: 10339270004		Collected: 02/18/16 12:57		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		03/17/16 17:47	75-37-6		
Acetone	12.8	ug/m3	3.9	1.61		03/17/16 17:47	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		03/17/16 17:47	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		03/17/16 17:47	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/17/16 17:47	75-27-4		
Bromoform	ND	ug/m3	85.7	1.61		03/17/16 17:47	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		03/17/16 17:47	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/17/16 17:47	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		03/17/16 17:47	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/17/16 17:47	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		03/17/16 17:47	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/17/16 17:47	108-90-7		
Chlorodifluoromethane	8.8	ug/m3	1.2	1.61		03/17/16 17:47	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		03/17/16 17:47	75-00-3		
Chloroform	ND	ug/m3	0.80	1.61		03/17/16 17:47	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/17/16 17:47	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		03/17/16 17:47	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.1	1.61		03/17/16 17:47	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/17/16 17:47	96-12-8		
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/17/16 17:47	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/17/16 17:47	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		03/17/16 17:47	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.2	1.61		03/17/16 17:47	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.5	1.61		03/17/16 17:47	106-46-7		
Dichlorodifluoromethane	2.5	ug/m3	1.6	1.61		03/17/16 17:47	75-71-8		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-4_20_20160218		Lab ID: 10339270004		Collected: 02/18/16 12:57		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/17/16 17:47	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/17/16 17:47	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 17:47	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 17:47	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 17:47	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/17/16 17:47	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/17/16 17:47	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/17/16 17:47	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		03/17/16 17:47	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		03/17/16 17:47	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/17/16 17:47	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/17/16 17:47	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/17/16 17:47	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/17/16 17:47	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		03/17/16 17:47	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/17/16 17:47	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/17/16 17:47	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/17/16 17:47	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/17/16 17:47	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		03/17/16 17:47	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/17/16 17:47	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/17/16 17:47	1634-04-4		
2-Propanol	4.5	ug/m3	4.0	1.61		03/17/16 17:47	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		03/17/16 17:47	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		03/17/16 17:47	79-34-5		
Tetrachloroethene	5.8	ug/m3	1.1	1.61		03/17/16 17:47	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		03/17/16 17:47	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	121	1.61		03/17/16 17:47	120-82-1		
1,1,1-Trichloroethane	4.7	ug/m3	1.8	1.61		03/17/16 17:47	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		03/17/16 17:47	79-00-5		
Trichloroethene	5.9	ug/m3	0.89	1.61		03/17/16 17:47	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		03/17/16 17:47	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		03/17/16 17:47	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/17/16 17:47	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/17/16 17:47	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		03/17/16 17:47	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		03/17/16 17:47	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		03/17/16 17:47	95-47-6		

Sample: VP-4_30_20160218		Lab ID: 10339270005		Collected: 02/18/16 11:40		Received: 02/20/16 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	2.2	1.61		03/18/16 01:05	75-37-6	
Acetone		22.5	ug/m3	3.9	1.61		03/18/16 01:05	67-64-1	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-4_30_20160218		Lab ID: 10339270005		Collected: 02/18/16 11:40		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Allyl chloride	ND	ug/m3	2.6	1.61		03/18/16 01:05	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		03/18/16 01:05	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/18/16 01:05	75-27-4		
Bromoform	ND	ug/m3	85.7	1.61		03/18/16 01:05	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		03/18/16 01:05	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/18/16 01:05	106-99-0		
2-Butanone (MEK)	6.1	ug/m3	4.8	1.61		03/18/16 01:05	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/18/16 01:05	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		03/18/16 01:05	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/18/16 01:05	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.61		03/18/16 01:05	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		03/18/16 01:05	75-00-3		
Chloroform	0.87	ug/m3	0.80	1.61		03/18/16 01:05	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/18/16 01:05	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		03/18/16 01:05	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.1	1.61		03/18/16 01:05	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/18/16 01:05	96-12-8		
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/18/16 01:05	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/18/16 01:05	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		03/18/16 01:05	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.2	1.61		03/18/16 01:05	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.5	1.61		03/18/16 01:05	106-46-7		
Dichlorodifluoromethane	2.9	ug/m3	1.6	1.61		03/18/16 01:05	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/18/16 01:05	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/18/16 01:05	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		03/18/16 01:05	75-35-4		
cis-1,2-Dichloroethene	2.3	ug/m3	1.3	1.61		03/18/16 01:05	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/18/16 01:05	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/18/16 01:05	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/18/16 01:05	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/18/16 01:05	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		03/18/16 01:05	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		03/18/16 01:05	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/18/16 01:05	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/18/16 01:05	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/18/16 01:05	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/18/16 01:05	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		03/18/16 01:05	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/18/16 01:05	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/18/16 01:05	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/18/16 01:05	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/18/16 01:05	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		03/18/16 01:05	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/18/16 01:05	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/18/16 01:05	1634-04-4		
2-Propanol	6.5	ug/m3	4.0	1.61		03/18/16 01:05	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		03/18/16 01:05	100-42-5		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-4_30_20160218		Lab ID: 10339270005		Collected: 02/18/16 11:40		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		03/18/16 01:05	79-34-5		
Tetrachloroethene	70.2	ug/m3	1.1	1.61		03/18/16 01:05	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		03/18/16 01:05	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	121	1.61		03/18/16 01:05	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		03/18/16 01:05	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		03/18/16 01:05	79-00-5		
Trichloroethene	63.7	ug/m3	0.89	1.61		03/18/16 01:05	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		03/18/16 01:05	75-69-4		
1,1,2-Trichlorotrifluoroethane	4.6	ug/m3	2.6	1.61		03/18/16 01:05	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/18/16 01:05	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/18/16 01:05	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		03/18/16 01:05	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		03/18/16 01:05	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		03/18/16 01:05	95-47-6		

Sample: VP-101_5_20160218		Lab ID: 10339270006		Collected: 02/18/16 10:47		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		03/17/16 19:37	75-37-6	CL,IC,L2	
Acetone	ND	ug/m3	3.9	1.61		03/17/16 19:37	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		03/17/16 19:37	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		03/17/16 19:37	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/17/16 19:37	75-27-4		
Bromoform	ND	ug/m3	85.7	1.61		03/17/16 19:37	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		03/17/16 19:37	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/17/16 19:37	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		03/17/16 19:37	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/17/16 19:37	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		03/17/16 19:37	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/17/16 19:37	108-90-7		
Chlorodifluoromethane	1.7	ug/m3	1.2	1.61		03/17/16 19:37	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		03/17/16 19:37	75-00-3		
Chloroform	ND	ug/m3	0.80	1.61		03/17/16 19:37	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/17/16 19:37	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		03/17/16 19:37	76-15-3		
Cyclohexane	ND	ug/m3	1.1	1.61		03/17/16 19:37	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/17/16 19:37	96-12-8		
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/17/16 19:37	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/17/16 19:37	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		03/17/16 19:37	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.2	1.61		03/17/16 19:37	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.5	1.61		03/17/16 19:37	106-46-7		
Dichlorodifluoromethane	2.7	ug/m3	1.6	1.61		03/17/16 19:37	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/17/16 19:37	75-34-3		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-101_5_20160218		Lab ID: 10339270006		Collected: 02/18/16 10:47		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/17/16 19:37	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 19:37	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 19:37	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 19:37	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/17/16 19:37	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/17/16 19:37	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/17/16 19:37	10061-02-6		
Dichlorotetrafluoroethane	3.7	ug/m3	2.3	1.61		03/17/16 19:37	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		03/17/16 19:37	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/17/16 19:37	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/17/16 19:37	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/17/16 19:37	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/17/16 19:37	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		03/17/16 19:37	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/17/16 19:37	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/17/16 19:37	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/17/16 19:37	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/17/16 19:37	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		03/17/16 19:37	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/17/16 19:37	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/17/16 19:37	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		03/17/16 19:37	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		03/17/16 19:37	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		03/17/16 19:37	79-34-5		
Tetrachloroethene	1.8	ug/m3	1.1	1.61		03/17/16 19:37	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		03/17/16 19:37	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	121	1.61		03/17/16 19:37	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		03/17/16 19:37	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		03/17/16 19:37	79-00-5		
Trichloroethene	1.3	ug/m3	0.89	1.61		03/17/16 19:37	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		03/17/16 19:37	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		03/17/16 19:37	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/17/16 19:37	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/17/16 19:37	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		03/17/16 19:37	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		03/17/16 19:37	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		03/17/16 19:37	95-47-6		

Sample: VP-101_15_20160218		Lab ID: 10339270007		Collected: 02/18/16 10:54		Received: 02/20/16 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	2.3	1.68		03/17/16 19:10	75-37-6	
Acetone		19.5	ug/m3	4.1	1.68		03/17/16 19:10	67-64-1	
Allyl chloride		ND	ug/m3	2.7	1.68		03/17/16 19:10	107-05-1	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-101_15_20160218		Lab ID: 10339270007		Collected: 02/18/16 10:54		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Benzene	0.97	ug/m3	0.55	1.68		03/17/16 19:10	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/17/16 19:10	75-27-4		
Bromoform	ND	ug/m3	89.5	1.68		03/17/16 19:10	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/17/16 19:10	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/17/16 19:10	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/17/16 19:10	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/17/16 19:10	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/17/16 19:10	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/17/16 19:10	108-90-7		
Chlorodifluoromethane	2.6	ug/m3	1.2	1.68		03/17/16 19:10	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/17/16 19:10	75-00-3		
Chloroform	1.5	ug/m3	0.83	1.68		03/17/16 19:10	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/17/16 19:10	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/17/16 19:10	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.68		03/17/16 19:10	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/17/16 19:10	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/17/16 19:10	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/17/16 19:10	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/17/16 19:10	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.4	1.68		03/17/16 19:10	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.8	1.68		03/17/16 19:10	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.7	1.68		03/17/16 19:10	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/17/16 19:10	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/17/16 19:10	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 19:10	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 19:10	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 19:10	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/17/16 19:10	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 19:10	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 19:10	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/17/16 19:10	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/17/16 19:10	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/17/16 19:10	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/17/16 19:10	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/17/16 19:10	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/17/16 19:10	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		03/17/16 19:10	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/17/16 19:10	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/17/16 19:10	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/17/16 19:10	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/17/16 19:10	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/17/16 19:10	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/17/16 19:10	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/17/16 19:10	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/17/16 19:10	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/17/16 19:10	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/17/16 19:10	79-34-5		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-101_15_20160218		Lab ID: 10339270007		Collected: 02/18/16 10:54		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	5.1	ug/m3	1.2	1.68		03/17/16 19:10	127-18-4		
Toluene	ND	ug/m3	1.3	1.68		03/17/16 19:10	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/17/16 19:10	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/17/16 19:10	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/17/16 19:10	79-00-5		
Trichloroethene	2.9	ug/m3	0.92	1.68		03/17/16 19:10	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/17/16 19:10	75-69-4		
1,1,2-Trichlorotrifluoroethane	37.6	ug/m3	2.7	1.68		03/17/16 19:10	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 19:10	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 19:10	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/17/16 19:10	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/17/16 19:10	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/17/16 19:10	95-47-6		

Sample: VP-101_27_20160218		Lab ID: 10339270008		Collected: 02/18/16 10:35		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/17/16 20:04	75-37-6	CL,IC,L2	
Acetone	19.4	ug/m3	4.1	1.68		03/17/16 20:04	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/17/16 20:04	107-05-1		
Benzene	0.95	ug/m3	0.55	1.68		03/17/16 20:04	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/17/16 20:04	75-27-4		
Bromoform	ND	ug/m3	89.5	1.68		03/17/16 20:04	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/17/16 20:04	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/17/16 20:04	106-99-0		
2-Butanone (MEK)	5.8	ug/m3	5.0	1.68		03/17/16 20:04	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/17/16 20:04	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/17/16 20:04	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/17/16 20:04	108-90-7		
Chlorodifluoromethane	5.2	ug/m3	1.2	1.68		03/17/16 20:04	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/17/16 20:04	75-00-3		
Chloroform	1.6	ug/m3	0.83	1.68		03/17/16 20:04	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/17/16 20:04	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/17/16 20:04	76-15-3		
Cyclohexane	ND	ug/m3	1.2	1.68		03/17/16 20:04	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/17/16 20:04	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/17/16 20:04	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/17/16 20:04	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/17/16 20:04	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.4	1.68		03/17/16 20:04	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.8	1.68		03/17/16 20:04	106-46-7		
Dichlorodifluoromethane	3.1	ug/m3	1.7	1.68		03/17/16 20:04	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/17/16 20:04	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/17/16 20:04	107-06-2		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-101_27_20160218		Lab ID: 10339270008		Collected: 02/18/16 10:35		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 20:04	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 20:04	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 20:04	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/17/16 20:04	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 20:04	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 20:04	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/17/16 20:04	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/17/16 20:04	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/17/16 20:04	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/17/16 20:04	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/17/16 20:04	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/17/16 20:04	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		03/17/16 20:04	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/17/16 20:04	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/17/16 20:04	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/17/16 20:04	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/17/16 20:04	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/17/16 20:04	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/17/16 20:04	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/17/16 20:04	1634-04-4		
2-Propanol	6.9	ug/m3	4.2	1.68		03/17/16 20:04	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/17/16 20:04	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/17/16 20:04	79-34-5		
Tetrachloroethene	53.5	ug/m3	1.2	1.68		03/17/16 20:04	127-18-4		
Toluene	ND	ug/m3	1.3	1.68		03/17/16 20:04	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/17/16 20:04	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/17/16 20:04	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/17/16 20:04	79-00-5		
Trichloroethene	68.5	ug/m3	0.92	1.68		03/17/16 20:04	79-01-6		
Trichlorofluoromethane	5.3	ug/m3	1.9	1.68		03/17/16 20:04	75-69-4		
1,1,2-Trichlorotrifluoroethane	299	ug/m3	2.7	1.68		03/17/16 20:04	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 20:04	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 20:04	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/17/16 20:04	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/17/16 20:04	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/17/16 20:04	95-47-6		

Sample: VP-101_27_20160218 DUP		Lab ID: 10339270009		Collected: 02/18/16 10:15		Received: 02/20/16 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	2.4	1.75		03/17/16 22:20	75-37-6	
Acetone		11.9	ug/m3	4.2	1.75		03/17/16 22:20	67-64-1	
Allyl chloride		ND	ug/m3	2.8	1.75		03/17/16 22:20	107-05-1	
Benzene		ND	ug/m3	0.57	1.75		03/17/16 22:20	71-43-2	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-101_27_20160218 DUP		Lab ID: 10339270009		Collected: 02/18/16 10:15		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/17/16 22:20	75-27-4		
Bromoform	ND	ug/m3	93.2	1.75		03/17/16 22:20	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/17/16 22:20	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/17/16 22:20	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/17/16 22:20	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/17/16 22:20	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/17/16 22:20	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/17/16 22:20	108-90-7		
Chlorodifluoromethane	6.9	ug/m3	1.3	1.75		03/17/16 22:20	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/17/16 22:20	75-00-3		
Chloroform	1.5	ug/m3	0.87	1.75		03/17/16 22:20	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/17/16 22:20	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/17/16 22:20	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.75		03/17/16 22:20	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/17/16 22:20	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/17/16 22:20	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/17/16 22:20	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/17/16 22:20	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.6	1.75		03/17/16 22:20	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	9.2	1.75		03/17/16 22:20	106-46-7		
Dichlorodifluoromethane	2.0	ug/m3	1.8	1.75		03/17/16 22:20	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/17/16 22:20	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/17/16 22:20	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/17/16 22:20	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/17/16 22:20	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/17/16 22:20	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/17/16 22:20	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/17/16 22:20	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/17/16 22:20	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/17/16 22:20	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/17/16 22:20	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/17/16 22:20	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/17/16 22:20	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/17/16 22:20	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/17/16 22:20	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/17/16 22:20	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/17/16 22:20	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/17/16 22:20	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/17/16 22:20	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/17/16 22:20	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/17/16 22:20	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/17/16 22:20	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/17/16 22:20	1634-04-4		
2-Propanol	11.9	ug/m3	4.4	1.75		03/17/16 22:20	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/17/16 22:20	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/17/16 22:20	79-34-5		
Tetrachloroethene	49.1	ug/m3	1.2	1.75		03/17/16 22:20	127-18-4		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-101_27_20160218 DUP		Lab ID: 10339270009		Collected: 02/18/16 10:15		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Toluene	1.7	ug/m3	1.3	1.75		03/17/16 22:20	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/17/16 22:20	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/17/16 22:20	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/17/16 22:20	79-00-5		
Trichloroethene	65.7	ug/m3	0.96	1.75		03/17/16 22:20	79-01-6		
Trichlorofluoromethane	5.1	ug/m3	2.0	1.75		03/17/16 22:20	75-69-4		
1,1,2-Trichlorotrifluoroethane	279	ug/m3	2.8	1.75		03/17/16 22:20	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/17/16 22:20	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/17/16 22:20	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/17/16 22:20	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/17/16 22:20	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/17/16 22:20	95-47-6		

Sample: VP-106_5_20160218		Lab ID: 10339270010		Collected: 02/18/16 11:41		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/17/16 22:48	75-37-6	CL,IC,L2	
Acetone	24.5	ug/m3	4.1	1.68		03/17/16 22:48	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/17/16 22:48	107-05-1		
Benzene	ND	ug/m3	0.55	1.68		03/17/16 22:48	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/17/16 22:48	75-27-4		
Bromoform	ND	ug/m3	89.5	1.68		03/17/16 22:48	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/17/16 22:48	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/17/16 22:48	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/17/16 22:48	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/17/16 22:48	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/17/16 22:48	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/17/16 22:48	108-90-7		
Chlorodifluoromethane	1.4	ug/m3	1.2	1.68		03/17/16 22:48	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/17/16 22:48	75-00-3		
Chloroform	2.1	ug/m3	0.83	1.68		03/17/16 22:48	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/17/16 22:48	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/17/16 22:48	76-15-3		
Cyclohexane	ND	ug/m3	1.2	1.68		03/17/16 22:48	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/17/16 22:48	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/17/16 22:48	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/17/16 22:48	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/17/16 22:48	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.4	1.68		03/17/16 22:48	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.8	1.68		03/17/16 22:48	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.7	1.68		03/17/16 22:48	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/17/16 22:48	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/17/16 22:48	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 22:48	75-35-4		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_5_20160218		Lab ID: 10339270010		Collected: 02/18/16 11:41		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 22:48	156-59-2	SS	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 22:48	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/17/16 22:48	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 22:48	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 22:48	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/17/16 22:48	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/17/16 22:48	306-83-2		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/17/16 22:48	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/17/16 22:48	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/17/16 22:48	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/17/16 22:48	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		03/17/16 22:48	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/17/16 22:48	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/17/16 22:48	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/17/16 22:48	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/17/16 22:48	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/17/16 22:48	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/17/16 22:48	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/17/16 22:48	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/17/16 22:48	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/17/16 22:48	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/17/16 22:48	79-34-5		
Tetrachloroethene	3.0	ug/m3	1.2	1.68		03/17/16 22:48	127-18-4		
Toluene	ND	ug/m3	1.3	1.68		03/17/16 22:48	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/17/16 22:48	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/17/16 22:48	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/17/16 22:48	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		03/17/16 22:48	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/17/16 22:48	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		03/17/16 22:48	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 22:48	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 22:48	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/17/16 22:48	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/17/16 22:48	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/17/16 22:48	95-47-6		

Sample: VP-106_11_20160218		Lab ID: 10339270011		Collected: 02/18/16 11:55		Received: 02/20/16 09:00		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15								
1,1-Difluoroethane		ND	ug/m3	1.8	1.34			03/17/16 21:26	75-37-6	
Acetone		16.1	ug/m3	3.2	1.34			03/17/16 21:26	67-64-1	
Allyl chloride		ND	ug/m3	2.1	1.34			03/17/16 21:26	107-05-1	
Benzene		1.9	ug/m3	0.44	1.34			03/17/16 21:26	71-43-2	
Bromodichloromethane		ND	ug/m3	1.8	1.34			03/17/16 21:26	75-27-4	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_11_20160218		Lab ID: 10339270011		Collected: 02/18/16 11:55		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromoform	ND	ug/m3	71.4	1.34		03/17/16 21:26	75-25-2		
Bromomethane	ND	ug/m3	1.1	1.34		03/17/16 21:26	74-83-9		
1,3-Butadiene	ND	ug/m3	0.60	1.34		03/17/16 21:26	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.0	1.34		03/17/16 21:26	78-93-3		
Carbon disulfide	ND	ug/m3	0.84	1.34		03/17/16 21:26	75-15-0		
Carbon tetrachloride	ND	ug/m3	0.86	1.34		03/17/16 21:26	56-23-5		
Chlorobenzene	ND	ug/m3	1.3	1.34		03/17/16 21:26	108-90-7		
Chlorodifluoromethane	41.5	ug/m3	0.96	1.34		03/17/16 21:26	75-45-6		
Chloroethane	ND	ug/m3	0.72	1.34		03/17/16 21:26	75-00-3		
Chloroform	0.97	ug/m3	0.66	1.34		03/17/16 21:26	67-66-3		
Chloromethane	ND	ug/m3	0.56	1.34		03/17/16 21:26	74-87-3		
Chloropentafluoroethane	ND	ug/m3	4.3	1.34		03/17/16 21:26	76-15-3	CL,IC,L2	
Cyclohexane	3.6	ug/m3	0.94	1.34		03/17/16 21:26	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	6.6	1.34		03/17/16 21:26	96-12-8		
Dibromochloromethane	ND	ug/m3	2.3	1.34		03/17/16 21:26	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.1	1.34		03/17/16 21:26	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.1	1.34		03/17/16 21:26	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	3.5	1.34		03/17/16 21:26	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	7.0	1.34		03/17/16 21:26	106-46-7		
Dichlorodifluoromethane	2.8	ug/m3	1.4	1.34		03/17/16 21:26	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.1	1.34		03/17/16 21:26	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.55	1.34		03/17/16 21:26	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.1	1.34		03/17/16 21:26	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		03/17/16 21:26	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.34		03/17/16 21:26	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.3	1.34		03/17/16 21:26	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		03/17/16 21:26	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.2	1.34		03/17/16 21:26	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	1.9	1.34		03/17/16 21:26	76-14-2		
Freon 123	ND	ug/m3	4.3	1.34		03/17/16 21:26	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	4.9	1.34		03/17/16 21:26	123-91-1		
Ethylbenzene	2.9	ug/m3	1.2	1.34		03/17/16 21:26	100-41-4		
4-Ethyltoluene	1.8	ug/m3	1.3	1.34		03/17/16 21:26	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	2.9	1.34		03/17/16 21:26	87-68-3		
n-Hexane	39.3	ug/m3	0.96	1.34		03/17/16 21:26	110-54-3		
2-Hexanone	ND	ug/m3	5.6	1.34		03/17/16 21:26	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	3.4	1.34		03/17/16 21:26	98-82-8		
Methyl acetate	ND	ug/m3	2.1	1.34		03/17/16 21:26	79-20-9		
Methylcyclohexane	1.4	ug/m3	1.1	1.34		03/17/16 21:26	108-87-2		
Methylene Chloride	260	ug/m3	4.7	1.34		03/17/16 21:26	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	5.6	1.34		03/17/16 21:26	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	4.9	1.34		03/17/16 21:26	1634-04-4		
2-Propanol	ND	ug/m3	3.4	1.34		03/17/16 21:26	67-63-0		
Styrene	ND	ug/m3	1.2	1.34		03/17/16 21:26	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.94	1.34		03/17/16 21:26	79-34-5		
Tetrachloroethene	4.3	ug/m3	0.92	1.34		03/17/16 21:26	127-18-4		
Toluene	29.1	ug/m3	1.0	1.34		03/17/16 21:26	108-88-3		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Sample Project No.: 10339270

Sample: VP-106_11_20160218		Lab ID: 10339270011		Collected: 02/18/16 11:55		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ug/m3	101	1.34		03/17/16 21:26	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.34		03/17/16 21:26	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.74	1.34		03/17/16 21:26	79-00-5		
Trichloroethene	0.79	ug/m3	0.74	1.34		03/17/16 21:26	79-01-6		
Trichlorofluoromethane	1.9	ug/m3	1.5	1.34		03/17/16 21:26	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.1	1.34		03/17/16 21:26	76-13-1		
1,2,4-Trimethylbenzene	5.4	ug/m3	1.3	1.34		03/17/16 21:26	95-63-6		
1,3,5-Trimethylbenzene	1.8	ug/m3	1.3	1.34		03/17/16 21:26	108-67-8		
Vinyl chloride	ND	ug/m3	0.35	1.34		03/17/16 21:26	75-01-4		
m&p-Xylene	12.9	ug/m3	2.4	1.34		03/17/16 21:26	179601-23-1		
o-Xylene	5.0	ug/m3	1.2	1.34		03/17/16 21:26	95-47-6		

Sample: VP-106_19.5_20160218		Lab ID: 10339270012		Collected: 02/18/16 11:57		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		03/17/16 21:53	75-37-6	CL,IC,L2	
Acetone	8.6	ug/m3	3.9	1.61		03/17/16 21:53	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		03/17/16 21:53	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		03/17/16 21:53	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/17/16 21:53	75-27-4		
Bromoform	ND	ug/m3	85.7	1.61		03/17/16 21:53	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		03/17/16 21:53	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/17/16 21:53	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		03/17/16 21:53	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/17/16 21:53	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		03/17/16 21:53	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/17/16 21:53	108-90-7		
Chlorodifluoromethane	7.9	ug/m3	1.2	1.61		03/17/16 21:53	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		03/17/16 21:53	75-00-3		
Chloroform	2.0	ug/m3	0.80	1.61		03/17/16 21:53	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/17/16 21:53	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		03/17/16 21:53	76-15-3		
Cyclohexane	ND	ug/m3	1.1	1.61		03/17/16 21:53	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/17/16 21:53	96-12-8		
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/17/16 21:53	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/17/16 21:53	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		03/17/16 21:53	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.2	1.61		03/17/16 21:53	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.5	1.61		03/17/16 21:53	106-46-7		
Dichlorodifluoromethane	1.9	ug/m3	1.6	1.61		03/17/16 21:53	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/17/16 21:53	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/17/16 21:53	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 21:53	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 21:53	156-59-2		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_19.5_20160218		Lab ID: 10339270012		Collected: 02/18/16 11:57		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/17/16 21:53	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/17/16 21:53	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/17/16 21:53	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/17/16 21:53	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		03/17/16 21:53	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		03/17/16 21:53	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/17/16 21:53	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/17/16 21:53	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/17/16 21:53	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/17/16 21:53	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		03/17/16 21:53	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/17/16 21:53	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/17/16 21:53	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/17/16 21:53	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/17/16 21:53	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		03/17/16 21:53	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/17/16 21:53	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/17/16 21:53	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		03/17/16 21:53	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		03/17/16 21:53	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		03/17/16 21:53	79-34-5		
Tetrachloroethene	22.5	ug/m3	1.1	1.61		03/17/16 21:53	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		03/17/16 21:53	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	121	1.61		03/17/16 21:53	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		03/17/16 21:53	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		03/17/16 21:53	79-00-5		
Trichloroethene	11.2	ug/m3	0.89	1.61		03/17/16 21:53	79-01-6		
Trichlorofluoromethane	2.2	ug/m3	1.8	1.61		03/17/16 21:53	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		03/17/16 21:53	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/17/16 21:53	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/17/16 21:53	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		03/17/16 21:53	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		03/17/16 21:53	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		03/17/16 21:53	95-47-6		

Sample: VP-106_28_20160218		Lab ID: 10339270013		Collected: 02/18/16 11:49		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		03/18/16 01:31	75-37-6		
Acetone	10.1	ug/m3	3.9	1.61		03/18/16 01:31	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		03/18/16 01:31	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		03/18/16 01:31	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/18/16 01:31	75-27-4		
Bromoform	ND	ug/m3	85.7	1.61		03/18/16 01:31	75-25-2		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_28_20160218		Lab ID: 10339270013		Collected: 02/18/16 11:49		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromomethane	ND	ug/m3	1.3	1.61		03/18/16 01:31	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/18/16 01:31	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		03/18/16 01:31	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/18/16 01:31	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		03/18/16 01:31	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/18/16 01:31	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.61		03/18/16 01:31	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		03/18/16 01:31	75-00-3		
Chloroform	1.2	ug/m3	0.80	1.61		03/18/16 01:31	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/18/16 01:31	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		03/18/16 01:31	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.1	1.61		03/18/16 01:31	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/18/16 01:31	96-12-8		
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/18/16 01:31	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/18/16 01:31	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		03/18/16 01:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.2	1.61		03/18/16 01:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.5	1.61		03/18/16 01:31	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.6	1.61		03/18/16 01:31	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/18/16 01:31	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/18/16 01:31	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		03/18/16 01:31	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/18/16 01:31	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/18/16 01:31	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/18/16 01:31	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/18/16 01:31	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/18/16 01:31	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		03/18/16 01:31	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		03/18/16 01:31	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/18/16 01:31	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/18/16 01:31	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/18/16 01:31	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/18/16 01:31	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		03/18/16 01:31	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/18/16 01:31	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/18/16 01:31	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/18/16 01:31	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/18/16 01:31	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		03/18/16 01:31	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/18/16 01:31	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/18/16 01:31	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		03/18/16 01:31	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		03/18/16 01:31	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		03/18/16 01:31	79-34-5		
Tetrachloroethene	32.4	ug/m3	1.1	1.61		03/18/16 01:31	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		03/18/16 01:31	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	121	1.61		03/18/16 01:31	120-82-1		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_28_20160218		Lab ID: 10339270013		Collected: 02/18/16 11:49		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		03/18/16 01:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		03/18/16 01:31	79-00-5		
Trichloroethene	13.7	ug/m3	0.89	1.61		03/18/16 01:31	79-01-6		
Trichlorofluoromethane	2.4	ug/m3	1.8	1.61		03/18/16 01:31	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		03/18/16 01:31	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/18/16 01:31	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/18/16 01:31	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		03/18/16 01:31	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		03/18/16 01:31	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		03/18/16 01:31	95-47-6		

Sample: VP-106_56_20160218		Lab ID: 10339270014		Collected: 02/18/16 12:09		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/17/16 23:15	75-37-6		
Acetone	20.9	ug/m3	4.1	1.68		03/17/16 23:15	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/17/16 23:15	107-05-1		
Benzene	0.58	ug/m3	0.55	1.68		03/17/16 23:15	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/17/16 23:15	75-27-4		
Bromoform	ND	ug/m3	89.5	1.68		03/17/16 23:15	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/17/16 23:15	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/17/16 23:15	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/17/16 23:15	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/17/16 23:15	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/17/16 23:15	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/17/16 23:15	108-90-7		
Chlorodifluoromethane	64.1	ug/m3	1.2	1.68		03/17/16 23:15	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/17/16 23:15	75-00-3		
Chloroform	1.3	ug/m3	0.83	1.68		03/17/16 23:15	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/17/16 23:15	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/17/16 23:15	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.68		03/17/16 23:15	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/17/16 23:15	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/17/16 23:15	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/17/16 23:15	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/17/16 23:15	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.4	1.68		03/17/16 23:15	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.8	1.68		03/17/16 23:15	106-46-7		
Dichlorodifluoromethane	2.1	ug/m3	1.7	1.68		03/17/16 23:15	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/17/16 23:15	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/17/16 23:15	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 23:15	75-35-4		
cis-1,2-Dichloroethene	43.8	ug/m3	1.4	1.68		03/17/16 23:15	156-59-2		
trans-1,2-Dichloroethene	1.5	ug/m3	1.4	1.68		03/17/16 23:15	156-60-5		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_56_20160218		Lab ID: 10339270014		Collected: 02/18/16 12:09		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/17/16 23:15	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 23:15	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/17/16 23:15	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/17/16 23:15	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/17/16 23:15	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/17/16 23:15	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/17/16 23:15	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/17/16 23:15	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/17/16 23:15	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		03/17/16 23:15	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/17/16 23:15	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/17/16 23:15	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/17/16 23:15	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/17/16 23:15	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/17/16 23:15	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/17/16 23:15	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/17/16 23:15	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/17/16 23:15	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/17/16 23:15	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/17/16 23:15	79-34-5		
Tetrachloroethene	275	ug/m3	1.2	1.68		03/17/16 23:15	127-18-4		
Toluene	4.6	ug/m3	1.3	1.68		03/17/16 23:15	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/17/16 23:15	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/17/16 23:15	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/17/16 23:15	79-00-5		
Trichloroethene	686	ug/m3	18.5	33.6		03/18/16 19:13	79-01-6		
Trichlorofluoromethane	7.9	ug/m3	1.9	1.68		03/17/16 23:15	75-69-4		
1,1,2-Trichlorotrifluoroethane	31.3	ug/m3	2.7	1.68		03/17/16 23:15	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 23:15	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/17/16 23:15	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/17/16 23:15	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/17/16 23:15	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/17/16 23:15	95-47-6		

Sample: VP-106_72_20160218		Lab ID: 10339270015		Collected: 02/18/16 11:43		Received: 02/20/16 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68			03/18/16 00:38	75-37-6	
Acetone	32.4	ug/m3	4.1	1.68			03/18/16 00:38	67-64-1	
Allyl chloride	ND	ug/m3	2.7	1.68			03/18/16 00:38	107-05-1	
Benzene	3.1	ug/m3	0.55	1.68			03/18/16 00:38	71-43-2	
Bromodichloromethane	ND	ug/m3	2.3	1.68			03/18/16 00:38	75-27-4	
Bromoform	ND	ug/m3	89.5	1.68			03/18/16 00:38	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68			03/18/16 00:38	74-83-9	

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_72_20160218		Lab ID: 10339270015		Collected: 02/18/16 11:43		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/18/16 00:38	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/18/16 00:38	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/18/16 00:38	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/18/16 00:38	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/18/16 00:38	108-90-7		
Chlorodifluoromethane	123	ug/m3	1.2	1.68		03/18/16 00:38	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/18/16 00:38	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		03/18/16 00:38	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/18/16 00:38	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/18/16 00:38	76-15-3	CL,IC,L2	
Cyclohexane	4.7	ug/m3	1.2	1.68		03/18/16 00:38	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/18/16 00:38	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/18/16 00:38	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/18/16 00:38	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/18/16 00:38	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.4	1.68		03/18/16 00:38	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.8	1.68		03/18/16 00:38	106-46-7		
Dichlorodifluoromethane	2.5	ug/m3	1.7	1.68		03/18/16 00:38	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/18/16 00:38	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/18/16 00:38	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/18/16 00:38	75-35-4		
cis-1,2-Dichloroethene	7.4	ug/m3	1.4	1.68		03/18/16 00:38	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/18/16 00:38	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/18/16 00:38	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/18/16 00:38	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/18/16 00:38	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/18/16 00:38	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/18/16 00:38	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/18/16 00:38	123-91-1		
Ethylbenzene	5.6	ug/m3	1.5	1.68		03/18/16 00:38	100-41-4		
4-Ethyltoluene	4.1	ug/m3	1.7	1.68		03/18/16 00:38	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/18/16 00:38	87-68-3		
n-Hexane	50.1	ug/m3	1.2	1.68		03/18/16 00:38	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/18/16 00:38	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/18/16 00:38	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/18/16 00:38	79-20-9		
Methylcyclohexane	2.1	ug/m3	1.4	1.68		03/18/16 00:38	108-87-2		
Methylene Chloride	434	ug/m3	5.9	1.68		03/18/16 00:38	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/18/16 00:38	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/18/16 00:38	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/18/16 00:38	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/18/16 00:38	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/18/16 00:38	79-34-5		
Tetrachloroethene	41.2	ug/m3	1.2	1.68		03/18/16 00:38	127-18-4		
Toluene	34.0	ug/m3	1.3	1.68		03/18/16 00:38	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/18/16 00:38	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/18/16 00:38	71-55-6		

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_72_20160218		Lab ID: 10339270015		Collected: 02/18/16 11:43		Received: 02/20/16 09:00		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1,2-Trichloroethane		ND	ug/m3	0.92	1.68		03/18/16 00:38	79-00-5	
Trichloroethene		214	ug/m3	0.92	1.68		03/18/16 00:38	79-01-6	
Trichlorofluoromethane		3.5	ug/m3	1.9	1.68		03/18/16 00:38	75-69-4	
1,1,2-Trichlorotrifluoroethane		9.3	ug/m3	2.7	1.68		03/18/16 00:38	76-13-1	
1,2,4-Trimethylbenzene		13.7	ug/m3	1.7	1.68		03/18/16 00:38	95-63-6	
1,3,5-Trimethylbenzene		4.4	ug/m3	1.7	1.68		03/18/16 00:38	108-67-8	
Vinyl chloride		ND	ug/m3	0.44	1.68		03/18/16 00:38	75-01-4	
m&p-Xylene		25.5	ug/m3	3.0	1.68		03/18/16 00:38	179601-23-1	
o-Xylene		10.4	ug/m3	1.5	1.68		03/18/16 00:38	95-47-6	

Sample: VP-106_72_20160218 DUP		Lab ID: 10339270016		Collected: 02/18/16 11:42		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		03/17/16 23:42	75-37-6	CL,IC,L2	
Acetone	10.0	ug/m3	3.9	1.61		03/17/16 23:42	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		03/17/16 23:42	107-05-1		
Benzene	1.1	ug/m3	0.52	1.61		03/17/16 23:42	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/17/16 23:42	75-27-4		
Bromoform	ND	ug/m3	85.7	1.61		03/17/16 23:42	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		03/17/16 23:42	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/17/16 23:42	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		03/17/16 23:42	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/17/16 23:42	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		03/17/16 23:42	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/17/16 23:42	108-90-7		
Chlorodifluoromethane	47.7	ug/m3	1.2	1.61		03/17/16 23:42	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		03/17/16 23:42	75-00-3		
Chloroform	4.0	ug/m3	0.80	1.61		03/17/16 23:42	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/17/16 23:42	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.2	1.61		03/17/16 23:42	76-15-3		
Cyclohexane	ND	ug/m3	1.1	1.61		03/17/16 23:42	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/17/16 23:42	96-12-8		
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/17/16 23:42	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/17/16 23:42	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		03/17/16 23:42	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.2	1.61		03/17/16 23:42	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.5	1.61		03/17/16 23:42	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.6	1.61		03/17/16 23:42	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/17/16 23:42	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/17/16 23:42	107-06-2		
1,1-Dichloroethene	7.1	ug/m3	1.3	1.61		03/17/16 23:42	75-35-4		
cis-1,2-Dichloroethene	103	ug/m3	1.3	1.61		03/17/16 23:42	156-59-2		
trans-1,2-Dichloroethene	3.5	ug/m3	1.3	1.61		03/17/16 23:42	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/17/16 23:42	78-87-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_72_20160218 DUP		Lab ID: 10339270016		Collected: 02/18/16 11:42		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/17/16 23:42	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/17/16 23:42	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		03/17/16 23:42	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		03/17/16 23:42	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/17/16 23:42	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/17/16 23:42	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/17/16 23:42	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/17/16 23:42	87-68-3		
n-Hexane	7.5	ug/m3	1.2	1.61		03/17/16 23:42	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/17/16 23:42	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/17/16 23:42	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/17/16 23:42	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/17/16 23:42	108-87-2		
Methylene Chloride	53.4	ug/m3	5.7	1.61		03/17/16 23:42	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/17/16 23:42	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/17/16 23:42	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		03/17/16 23:42	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		03/17/16 23:42	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		03/17/16 23:42	79-34-5		
Tetrachloroethene	355	ug/m3	22.2	32.2		03/18/16 19:35	127-18-4		
Toluene	6.5	ug/m3	1.2	1.61		03/17/16 23:42	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	121	1.61		03/17/16 23:42	120-82-1		
1,1,1-Trichloroethane	2.3	ug/m3	1.8	1.61		03/17/16 23:42	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		03/17/16 23:42	79-00-5		
Trichloroethene	1650	ug/m3	17.7	32.2		03/18/16 19:35	79-01-6		
Trichlorofluoromethane	12.6	ug/m3	1.8	1.61		03/17/16 23:42	75-69-4		
1,1,2-Trichlorotrifluoroethane	116	ug/m3	2.6	1.61		03/17/16 23:42	76-13-1		
1,2,4-Trimethylbenzene	2.2	ug/m3	1.6	1.61		03/17/16 23:42	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/17/16 23:42	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		03/17/16 23:42	75-01-4		
m&p-Xylene	3.1	ug/m3	2.8	1.61		03/17/16 23:42	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		03/17/16 23:42	95-47-6		

Sample: VP-106_84_20160218		Lab ID: 10339270017		Collected: 02/18/16 11:46		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/18/16 20:03	75-37-6		
Acetone	5.1	ug/m3	4.1	1.68		03/18/16 20:03	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/18/16 20:03	107-05-1		
Benzene	0.76	ug/m3	0.55	1.68		03/18/16 20:03	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/18/16 20:03	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/18/16 20:03	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/18/16 20:03	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/18/16 20:03	106-99-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_84_20160218		Lab ID: 10339270017		Collected: 02/18/16 11:46		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/18/16 20:03	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/18/16 20:03	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/18/16 20:03	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/18/16 20:03	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		03/18/16 20:03	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/18/16 20:03	75-00-3		
Chloroform	3.9	ug/m3	0.83	1.68		03/18/16 20:03	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/18/16 20:03	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/18/16 20:03	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.68		03/18/16 20:03	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/18/16 20:03	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/18/16 20:03	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/18/16 20:03	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/18/16 20:03	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/18/16 20:03	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/18/16 20:03	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.7	1.68		03/18/16 20:03	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/18/16 20:03	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/18/16 20:03	107-06-2		
1,1-Dichloroethene	15.1	ug/m3	1.4	1.68		03/18/16 20:03	75-35-4		
cis-1,2-Dichloroethene	91.0	ug/m3	1.4	1.68		03/18/16 20:03	156-59-2		
trans-1,2-Dichloroethene	3.1	ug/m3	1.4	1.68		03/18/16 20:03	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/18/16 20:03	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/18/16 20:03	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/18/16 20:03	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/18/16 20:03	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/18/16 20:03	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	492	134.4		03/29/16 16:02	123-91-1	A3	
Ethylbenzene	ND	ug/m3	1.5	1.68		03/18/16 20:03	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/18/16 20:03	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/18/16 20:03	87-68-3		
n-Hexane	2.1	ug/m3	1.2	1.68		03/18/16 20:03	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/18/16 20:03	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/18/16 20:03	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/18/16 20:03	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/18/16 20:03	108-87-2		
Methylene Chloride	10.9	ug/m3	5.9	1.68		03/18/16 20:03	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/18/16 20:03	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/18/16 20:03	1634-04-4		
2-Propanol	ND	ug/m3	336	134.4		03/29/16 16:02	67-63-0	A3	
Styrene	ND	ug/m3	1.5	1.68		03/18/16 20:03	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/18/16 20:03	79-34-5		
Tetrachloroethene	580	ug/m3	92.6	134.4		03/29/16 16:02	127-18-4	A3	
Toluene	6.7	ug/m3	1.3	1.68		03/18/16 20:03	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	507	134.4		03/29/16 16:02	120-82-1	A3	
1,1,1-Trichloroethane	3.5	ug/m3	1.9	1.68		03/18/16 20:03	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/18/16 20:03	79-00-5		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

Sample: VP-106_84_20160218		Lab ID: 10339270017		Collected: 02/18/16 11:46		Received: 02/20/16 09:00		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Trichloroethene	2370	ug/m3	73.9	134.4		03/29/16 16:02	79-01-6	A3	
Trichlorofluoromethane	12.1	ug/m3	1.9	1.68		03/18/16 20:03	75-69-4		
1,1,2-Trichlorotrifluoroethane	159	ug/m3	2.7	1.68		03/18/16 20:03	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/18/16 20:03	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/18/16 20:03	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/18/16 20:03	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/18/16 20:03	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/18/16 20:03	95-47-6		

REPORT OF LABORATORY ANALYSIS

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Appendix C

Support Documentation

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10339270

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-101_27_20160218	1,1,2-TRICHLOROTRIFLUOROETHANE	299	VP-101_27_20160218 DUP	1,1,2-TRICHLOROTRIFLUOROETHANE	279	6.92	20	2.7
	2-BUTANONE	5.8		2-BUTANONE	5 U	NA	0.8	5
	ACETONE	19.4		ACETONE	11.9	47.92	7.5	4.1
	BENZENE	0.95		BENZENE	0.55 U	NA	0.4	0.55
	CHLORODIFLUOROMETHANE	5.2		CHLORODIFLUOROMETHANE	6.9	28.10	1.7	1.2
	CHLOROFORM	1.6		CHLOROFORM	1.5	6.45	0.1	0.83
	DICHLORODIFLUOROMETHANE	3.1		DICHLORODIFLUOROMETHANE	2	43.14	1.1	1.7
	ISOPROPANOL	6.9		ISOPROPANOL	11.9	53.19	5	4.2
	TETRACHLOROETHENE	53.5		TETRACHLOROETHENE	49.1	8.58	4.4	1.2
	TOLUENE	1.3 U		TOLUENE	1.7	NA	0.4	1.3
	TRICHLOROETHENE	68.5		TRICHLOROETHENE	65.7	4.17	2.8	0.92
	TRICHLOROFLUOROMETHANE	5.3		TRICHLOROFLUOROMETHANE	5.1	3.85	0.2	1.9

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10339270

SAMPLE	PARAMETER	RESULT (µg/m ³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m ³)	RPD (%)	DIFFERENCE	RL (µg/m ³)
VP-106_72_20160218	1,1,1-TRICHLOROETHANE	1.9 U	VP-106_72_20160218 DUP	1,1,1-TRICHLOROETHANE	2.3	NA	0.4	1.9
	1,1,2-TRICHLOROTRIFLUOROETHANE	9.3		1,1,2-TRICHLOROTRIFLUOROETHANE	116	170.31	106.7	2.7
	1,1-DICHLOROETHENE	1.4 U		1,1-DICHLOROETHENE	7.1	NA	5.7	1.4
	1,2,4-TRIMETHYLBENZENE	13.7		1,2,4-TRIMETHYLBENZENE	2.2	144.65	11.5	1.7
	1,3,5-TRIMETHYLBENZENE	4.4		1,3,5-TRIMETHYLBENZENE	1.6 U	NA	2.8	1.7
	1-ETHYL-4-METHYL BENZENE	4.1		1-ETHYL-4-METHYL BENZENE	1.6 U	NA	2.5	1.7
	ACETONE	32.4		ACETONE	10	105.66	22.4	4.1
	BENZENE	3.1		BENZENE	1.1	95.24	2	0.55
	CHLORODIFLUOROMETHANE	123		CHLORODIFLUOROMETHANE	47.7	88.22	75.3	1.2
	CHLOROFORM	0.83 U		CHLOROFORM	4	NA	3.17	0.83
	CIS-1,2-DICHLOROETHENE	7.4		CIS-1,2-DICHLOROETHENE	103	173.19	95.6	1.4
	CYCLOHEXANE	4.7		CYCLOHEXANE	1.1 U	NA	3.6	1.2
	DICHLORODIFLUOROMETHANE	2.5		DICHLORODIFLUOROMETHANE	2.2	12.77	0.3	1.7
	ETHYLBENZENE	5.6		ETHYLBENZENE	1.4 U	NA	4.2	1.5
	HEXANE	50.1		HEXANE	7.5	147.92	42.6	1.2
	M+P-XYLENES	25.5		M+P-XYLENES	3.1	156.64	22.4	3
	METHYL CYCLOHEXANE	2.1		METHYL CYCLOHEXANE	1.3 U	NA	0.8	1.4
	METHYLENE CHLORIDE	434		METHYLENE CHLORIDE	53.4	156.18	380.6	5.9
	O-XYLENE	10.4		O-XYLENE	1.4 U	NA	9	1.5
	TETRACHLOROETHENE	41.2		TETRACHLOROETHENE	355	158.40	313.8	1.2
	TOLUENE	34		TOLUENE	6.5	135.80	27.5	1.3
	TRANS-1,2-DICHLOROETHENE	1.4 U		TRANS-1,2-DICHLOROETHENE	3.5	NA	2.1	1.4
	TRICHLOROETHENE	214		TRICHLOROETHENE	1650	154.08	1436	0.92
	TRICHLOROFLUOROMETHANE	3.5		TRICHLOROFLUOROMETHANE	12.6	113.04	9.1	1.9

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10339270

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-4_5_20160218	ACETONE	7.5	VP-4_5_20160218 DUP	ACETONE	7.9	5.19	0.4	4.1
	CHLORODIFLUOROMETHANE	3.5		CHLORODIFLUOROMETHANE	3.2	8.96	0.3	1.2
	DICHLORODIFLUOROMETHANE	1.8		DICHLORODIFLUOROMETHANE	2.4	28.57	0.6	1.7
	ISOPROPANOL	9.8		ISOPROPANOL	4.2 U	NA	5.6	4.2
	TETRACHLOROETHENE	5.2		TETRACHLOROETHENE	5.2	0.00	0	1.2
	TRICHLOROETHENE	2.2		TRICHLOROETHENE	1.7	25.64	0.5	0.92

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10339220

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	23787	Page: 1 of 2
Company: <u>Tetra Tech</u>	Report To: <u>Keith McDermott</u>	Attention:	Program	
Address: <u>295 RTE 22E, Suite 104E</u>	Copy To:	Company Name:	<input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act	
<u>Whitehouse Station, NJ 08889</u>	Purchase Order No.:	Address:	<input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
Email To: <u>Keith.McDermott@tetratech.com</u>	Project Name: <u>LMC - Great Neck</u>	Pace Quote Reference:	Location of Sampling by State <u>NY</u>	
Phone: <u>908-534-2303</u> Fax: <u>908-534-4709</u>	Project Number: <u>117-0507.644</u>	Pace Project Manager/Sales Rep.	Reporting Units ug/m ³ <input checked="" type="checkbox"/> mg/m ³ PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/>	
Requested Due Date/TAT:		Pace Profile #:	Report Level <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other <input type="checkbox"/>	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID	
					COMPOSITE START		COMPOSITE -						PM10	3C-Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO-15 Short List*			
					END/GRAB		DATE	TIME														DATE		TIME
					DATE	TIME																		
1	VP-4-5-20160218		6LC		2/18/16	9:43	2/18/16	12:25	-30	-8	1496	0327										X		001
2	VP-4-5-20160218 DuP		6LC		2/18/16	9:43	2/18/16	12:22	-29	-8	0090	0393										X		002
3	VP-4-10-20160218		6LC		2/18/16	9:43	2/18/16	12:41	-29.5	-8	2353	0053										X		003
4	VP-4-20-20160218		6LC		2/18/16	9:43	2/18/16	12:57	-30	-8	2106	0174										X		004
5	VP-4-30-20160218		6LC		2/18/16	9:43	2/18/16	11:40	-29	-8	2818	0515										X		005
6	VP-101-5-20160218		6LC		2/18/16	7:58	2/18/16	10:47	-30	-8	1288	0134										X		006
7	VP-101-15-20160218		6LC		2/18/16	7:58	2/18/16	10:54	-30	-8	2695	0428										X		007
8	VP-101-27-20160218		6LC		2/18/16	7:58	2/18/16	10:35	-30	-8	2329	0183										X		008
9	VP-101-27-20160218 DuP		6LC		2/18/16	7:58	2/18/16	10:15	-28.5	-8	1090	0186										X		009
10	VP-106-5-20160218		6LC		2/18/16	9:02	2/18/16	11:41	-28	-7.5	1078	0426										X		010
11	VP-106-11-20160218		6LC		2/18/16	9:02	2/18/16	11:55	-30	-8	0825	0091										X		011
12	VP-106-19.5-20160218		6LC		2/18/16	9:02	2/18/16	11:57	-30	-8	1046	0429										X		012

Comments : ★ Modified COC LIST	RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		
	<u>Keith McDermott</u>		2/19/16	1010	<u>Keith McDermott</u>		2/19/16	1010	Temp	Y/N	Y/N
	<u>Keith McDermott</u>		2/19/16	1400	<u>Keith McDermott</u>		2/20/16	0900	Received on Ice	Y/N	Y/N
									Custody Sealed Cooler	Y/N	Y/N
									Samples Intact	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <u>Jean Bok, Priscilla Menta</u>					
SIGNATURE of SAMPLER: <u>Jean Bok</u> DATE Signed (MM/DD/YY) <u>2/19/16</u>					



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10339270

21155

Page: 2 of 2


Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Company: <u>Tetra Tech</u>	Report To: <u>Keith McDermott</u>	Attention:	Reporting Units ug/m ³ <input checked="" type="checkbox"/> mg/m ³ <input type="checkbox"/> PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/>
Address: <u>295 Rt 22E, Suite 104C</u>	Copy To:	Company Name:	
<u>Whitehouse Station, NJ 08889</u>	Purchase Order No.:	Address:	
Email To: <u>Keith.McDermott@tetratech.com</u>	Project Name: <u>LMC - Great Neck</u>	Pace Quote Reference:	
Phone: <u>908 534 2303</u> Fax: <u>908 534 4707</u>	Project Number: <u>117-0507644</u>	Pace Project Manager/Sales Rep.	Location of Sampling by State <u>NY</u>
Requested Due Date/TAT:		Pace Profile #:	Report Level II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other <input type="checkbox"/>

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:											Pace Lab ID					
					COMPOSITE START		COMPOSITE -							PM10	3C - Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15 *	TO15 Short List*							
					DATE	TIME	DATE	TIME																					
					END/GRAB																								
1	VP-106-28-20160218	6LC			2/18/16	9:02	2/18/16	11:49	-29.5	-7.5	0949	0131															X		013
2	VP-106-56-20160218	6LC			2/18/16	9:02	2/18/16	12:09	-30	-8	2164	0195															X		014
3	VP-106-72-20160218	6LC			2/18/16	9:02	2/18/16	11:43	-30	-8	0856	0033															X		015
4	VP-106-72-20160218 DUP	6LC			2/18/16	9:02	2/18/16	11:42	-29	-6.5	1047	0166															X		016
5	VP-106-84-20160218	6LC			2/18/16	9:02	2/18/16	11:46	-30	-8	1089	0598															X		017
6																													018
7																													
8																													
9																													
10																													
11																													
12																													

Comments : * Modified COC List	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<u>for VC Tetra Tech</u>	<u>2/17/16</u>	<u>10:10</u>	<u>[Signature]</u>	<u>2/18/16</u>	<u>10:10</u>	Temp	Y/N	Y/N	Y/N
	<u>[Signature]</u>	<u>2/19/16</u>	<u>1:40</u>	<u>[Signature]</u>	<u>2/20/16</u>	<u>09:00</u>	Received on Ice	Y/N	Y/N	Y/N
							Custody Sealed Cooler	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <u>Jon Bak, Priscilla Menta</u>					
SIGNATURE of SAMPLER: <u>[Signature]</u> DATE Signed (MM/DD/YY) <u>2/18/16</u>					

ORIGINAL

	Document Name: Air Sample Condition Upon Receipt	Document Revised: 29 June 2015 Page 1 of 1
	Document No.: F-MN-A-106-rev.10	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition
Upon Receipt

Client Name:

Project #:

WO#: 10339270



Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client

☐ Commercial ☐ Pace ☐ Other: _____

Tracking Number:

on other sheet

Custody Seal on Cooler/Box Present?

☒ Yes ☐ No

Seals Intact?

☒ Yes ☐ No

Optional: Proj. Due Date: Proj. Name:

Packing Material:

☐ Bubble Wrap

☐ Bubble Bags

☒ Foam

☐ None

☐ Tin Can

☐ Other: _____

Temp Blank rec:

☐ Yes ☒ No

Temp. (T017 and T013 samples only) (°C):

Corrected Temp (°C):

Thermom. Used:

☐ B88A912167504

☐ B88A9132521491

☐ 72337080

☐ 80512447

Temp should be above freezing to 6°C

Correction Factor:

Date & Initials of Person Examining Contents:

2/22/16

Type of ice Received

☐ Blue

☐ Wet

☒ None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
unused	2679	0239			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review:

Date:

02/22/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10339270

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

General Information:

16 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25459

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- DUP (Lab ID: 2215983)
 - Chloropentafluoroethane
- LCS (Lab ID: 2211851)
 - Chloropentafluoroethane
- VP-101_15_20160218 (Lab ID: 10339270007)
 - Chloropentafluoroethane
- VP-101_27_20160218 (Lab ID: 10339270008)
 - Chloropentafluoroethane
- VP-101_27_20160218 DUP (Lab ID: 10339270009)
 - Chloropentafluoroethane
- VP-101_5_20160218 (Lab ID: 10339270006)
 - Chloropentafluoroethane
- VP-106_11_20160218 (Lab ID: 10339270011)
 - Chloropentafluoroethane
- VP-106_19.5_20160218 (Lab ID: 10339270012)
 - Chloropentafluoroethane
- VP-106_28_20160218 (Lab ID: 10339270013)
 - Chloropentafluoroethane
- VP-106_56_20160218 (Lab ID: 10339270014)
 - Chloropentafluoroethane
- VP-106_5_20160218 (Lab ID: 10339270010)
 - Chloropentafluoroethane
- VP-106_72_20160218 (Lab ID: 10339270015)
 - Chloropentafluoroethane
- VP-106_72_20160218 DUP (Lab ID: 10339270016)
 - Chloropentafluoroethane
- VP-4_10_20160218 (Lab ID: 10339270003)
 - Chloropentafluoroethane
- VP-4_20_20160218 (Lab ID: 10339270004)
 - Chloropentafluoroethane
- VP-4_30_20160218 (Lab ID: 10339270005)
 - Chloropentafluoroethane
- VP-4_5_20160218 (Lab ID: 10339270001)
 - Chloropentafluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10339270

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25459

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- BLANK (Lab ID: 2211850)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- DUP (Lab ID: 2215983)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- LCS (Lab ID: 2211851)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-101_15_20160218 (Lab ID: 10339270007)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-101_27_20160218 (Lab ID: 10339270008)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-101_27_20160218 DUP (Lab ID: 10339270009)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-101_5_20160218 (Lab ID: 10339270006)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-106_11_20160218 (Lab ID: 10339270011)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10339270

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25459

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,1-Difluoroethane
- 1,2-Dibromo-3-chloropropane
- Chloropentafluoroethane
- Freon 123
- Methyl acetate
- VP-106_19.5_20160218 (Lab ID: 10339270012)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-106_28_20160218 (Lab ID: 10339270013)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-106_56_20160218 (Lab ID: 10339270014)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-106_5_20160218 (Lab ID: 10339270010)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-106_72_20160218 (Lab ID: 10339270015)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-106_72_20160218 DUP (Lab ID: 10339270016)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-4_10_20160218 (Lab ID: 10339270003)
 - 1,1-Difluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10339270

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

QC Batch: AIR/25459

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,2-Dibromo-3-chloropropane
- Chloropentafluoroethane
- Freon 123
- Methyl acetate
- VP-4_20_20160218 (Lab ID: 10339270004)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-4_30_20160218 (Lab ID: 10339270005)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- VP-4_5_20160218 (Lab ID: 10339270001)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate

QC Batch: AIR/25476

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- LCS (Lab ID: 2212936)
 - Chloropentafluoroethane
- VP-106_84_20160218 (Lab ID: 10339270017)
 - Chloropentafluoroethane

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 2212936)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Hexachloro-1,3-butadiene
 - Methyl acetate
- VP-106_84_20160218 (Lab ID: 10339270017)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10339270

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25459

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 2211851)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
- VP-106_56_20160218 (Lab ID: 10339270014)
 - Chloropentafluoroethane

QC Batch: AIR/25476

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 2212936)
 - Chloropentafluoroethane
- VP-106_84_20160218 (Lab ID: 10339270017)
 - Chloropentafluoroethane

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: AIR/25459

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 2211851)
 - Chloropentafluoroethane

QC Batch: AIR/25476

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 2212936)
 - Chloropentafluoroethane
 - Hexachloro-1,3-butadiene

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10339270

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

Analyte Comments:

QC Batch: AIR/25476

A3: The sample was analyzed by serial dilution.

- VP-106_84_20160218 (Lab ID: 10339270017)
 - 1,2,4-Trichlorobenzene
 - 1,4-Dioxane (p-Dioxane)
 - 2-Propanol
 - Tetrachloroethene
 - Trichloroethene

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507.644 LMC-Great Neck
Pace Project No.: 10339270

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A3	The sample was analyzed by serial dilution.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507.644 LMC-Great Neck

Pace Project No.: 10339270

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10339270001	VP-4_5_20160218	Air	02/18/16 12:25	02/20/16 09:00
10339270002	VP-4_5_20160218 DUP	Air	02/18/16 12:22	02/20/16 09:00
10339270003	VP-4_10_20160218	Air	02/18/16 12:41	02/20/16 09:00
10339270004	VP-4_20_20160218	Air	02/18/16 12:57	02/20/16 09:00
10339270005	VP-4_30_20160218	Air	02/18/16 11:40	02/20/16 09:00
10339270006	VP-101_5_20160218	Air	02/18/16 10:47	02/20/16 09:00
10339270007	VP-101_15_20160218	Air	02/18/16 10:54	02/20/16 09:00
10339270008	VP-101_27_20160218	Air	02/18/16 10:35	02/20/16 09:00
10339270009	VP-101_27_20160218 DUP	Air	02/18/16 10:15	02/20/16 09:00
10339270010	VP-106_5_20160218	Air	02/18/16 11:41	02/20/16 09:00
10339270011	VP-106_11_20160218	Air	02/18/16 11:55	02/20/16 09:00
10339270012	VP-106_19.5_20160218	Air	02/18/16 11:57	02/20/16 09:00
10339270013	VP-106_28_20160218	Air	02/18/16 11:49	02/20/16 09:00
10339270014	VP-106_56_20160218	Air	02/18/16 12:09	02/20/16 09:00
10339270015	VP-106_72_20160218	Air	02/18/16 11:43	02/20/16 09:00
10339270016	VP-106_72_20160218 DUP	Air	02/18/16 11:42	02/20/16 09:00
10339270017	VP-106_84_20160218	Air	02/18/16 11:46	02/20/16 09:00
10339270018	Unused Can#2679	Air		02/20/16 09:00

REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/15/2016
Lab File ID (Standard): 07508.D Time Analyzed: 14:07
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	2365713	4.530	1231680	7.381
UPPER LIMIT	3311998	5.030	1724352	7.881
LOWER LIMIT	1419428	4.030	739008	6.881
EPA SAMPLE NO.				
BLANK for HBN 405319 [AIR/2545]	1845019	4.537	994118	7.366
BLANK for HBN 405529 [AIR/2547]	2185461	4.530	1127099	7.359
LCS for HBN 405319 [AIR/25459]	1969046	4.530	1064687	7.373
LCS for HBN 405529 [AIR/25476]	1856008	4.530	993567	7.373
VP-4_5_20160218	1831448	4.530	971018	7.359
VP-4_5_20160218 DUP	1841460	4.530	947330	7.359
VP-4_10_20160218	1734892	4.537	920846	7.366
VP-4_20_20160218	1846235	4.530	966421	7.359
VP-4_30_20160218	1804003	4.530	935924	7.359
VP-101_5_20160218	1769309	4.530	895385	7.359
VP-101_15_20160218	1841950	4.537	951130	7.366
VP-101_27_20160218	1793073	4.530	913924	7.359
VP-101_27_20160218 DUP	1825302	4.537	968603	7.359
VP-106_5_20160218	1795126	4.530	942888	7.359
VP-106_11_20160218	1753452	4.537	936155	7.366
VP-106_19.5_20160218	1831561	4.537	959931	7.366
VP-106_28_20160218	1819634	4.530	952956	7.359
VP-106_56_20160218	1759953	4.530	937114	7.359
VP-106_72_20160218	1744987	4.530	941211	7.359
VP-106_72_20160218 DUP	1748536	4.537	925929	7.366
VP-106_84_20160218	1816306	4.537	987855	7.366
VP-101_27_20160218(2196067DUP)	1790820	4.530	930052	7.359

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/16/2016
Lab File ID (Standard): 07608.D Time Analyzed: 10:53
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	769650	4.532	370401	7.361
UPPER LIMIT	1077510	5.032	518561	7.861
LOWER LIMIT	461790	4.032	222241	6.861
EPA SAMPLE NO.				
BLANK for HBN 405319 [AIR/2545]	638167	4.532	318272	7.361
LCS for HBN 405319 [AIR/25459]	704227	4.539	341775	7.361
VP-4_5_20160218	615678	4.532	318016	7.361
VP-4_5_20160218 DUP	618991	4.532	306271	7.361
VP-4_10_20160218	580143	4.532	300869	7.361
VP-4_20_20160218	618816	4.525	313692	7.354
VP-4_30_20160218	601804	4.525	307761	7.361
VP-101_5_20160218	591721	4.525	290935	7.354
VP-101_15_20160218	619521	4.532	311173	7.361
VP-101_27_20160218	595925	4.525	298231	7.361
VP-101_27_20160218 DUP	611287	4.533	312586	7.362
VP-106_5_20160218	600087	4.525	305840	7.361
VP-106_11_20160218	584616	4.532	303665	7.361
VP-106_19.5_20160218	612314	4.532	311668	7.361
VP-106_28_20160218	608720	4.525	311455	7.361
VP-106_56_20160218	589351	4.532	303761	7.361
VP-106_72_20160218	584387	4.525	306180	7.361
VP-106_72_20160218 DUP	584788	4.539	302257	7.361
VP-101_27_20160218(2196067DUP)	597599	4.525	302814	7.362

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/28/2016
Lab File ID (Standard): 08814.D Time Analyzed: 13:52
Instrument ID: 10AIRD Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	565007	4.541	266627	7.358
UPPER LIMIT	791010	5.041	373278	7.858
LOWER LIMIT	339004	4.041	159976	6.858
EPA SAMPLE NO.				
VP-106_84_20160218	715380	4.522	310894	7.346

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405319 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07705T.D

Lab Sample ID: 2211850

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 12:46

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405319 [AIR/	2211851	07702T.D	09:49
02	VP-4_20_20160218	10339270004	07717.D	17:47
03	VP-4_5_20160218 DUP	10339270002	07718.D	18:15
04	VP-4_5_20160218	10339270001	07719.D	18:42
05	VP-101_15_20160218	10339270007	07720.D	19:10
06	VP-101_5_20160218	10339270006	07721.D	19:37
07	VP-101_27_20160218	10339270008	07722.D	20:04
08	VP-106_11_20160218	10339270011	07725.D	21:26
09	VP-106_19.5_20160218	10339270012	07726.D	21:53
10	VP-101_27_20160218 DU	10339270009	07727.D	22:20
11	VP-106_5_20160218	10339270010	07728.D	22:48
12	VP-106_56_20160218	10339270014	07729.D	23:15
13	VP-106_72_20160218 DU	10339270016	07730.D	23:42
14	VP-4_10_20160218	10339270003	07731.D	00:09
15	VP-106_72_20160218	10339270015	07732.D	00:38
16	VP-4_30_20160218	10339270005	07733.D	01:05
17	VP-106_28_20160218	10339270013	07734.D	01:31

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405319 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07716_25459.D

Lab Sample ID: 2211850

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 17:20

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405319 [AIR/	2211851	07710_25459.D	14:52
02	VP-4_20_20160218	10339270004	07717.D	17:47
03	VP-4_5_20160218 DUP	10339270002	07718.D	18:15
04	VP-4_5_20160218	10339270001	07719.D	18:42
05	VP-101_15_20160218	10339270007	07720.D	19:10
06	VP-101_5_20160218	10339270006	07721.D	19:37
07	VP-101_27_20160218	10339270008	07722.D	20:04
08	VP-106_11_20160218	10339270011	07725.D	21:26
09	VP-106_19.5_20160218	10339270012	07726.D	21:53
10	VP-101_27_20160218 DU	10339270009	07727.D	22:20
11	VP-106_5_20160218	10339270010	07728.D	22:48
12	VP-106_56_20160218	10339270014	07729.D	23:15
13	VP-106_72_20160218 DU	10339270016	07730.D	23:42
14	VP-4_10_20160218	10339270003	07731.D	00:09
15	VP-106_72_20160218	10339270015	07732.D	00:38
16	VP-4_30_20160218	10339270005	07733.D	01:05
17	VP-106_28_20160218	10339270013	07734.D	01:31

QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

QC Batch:	AIR/25459	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10339270001, 10339270002, 10339270003, 10339270004, 10339270005, 10339270006, 10339270007, 10339270008, 10339270009, 10339270010, 10339270011, 10339270012, 10339270013, 10339270014, 10339270015, 10339270016		

METHOD BLANK: 2211850

Matrix: Air

Associated Lab Samples: 10339270001, 10339270002, 10339270003, 10339270004, 10339270005, 10339270006, 10339270007, 10339270008, 10339270009, 10339270010, 10339270011, 10339270012, 10339270013, 10339270014, 10339270015, 10339270016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/17/16 12:46	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/17/16 12:46	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/17/16 12:46	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/17/16 12:46	
1,1-Dichloroethane	ug/m3	ND	0.82	03/17/16 12:46	
1,1-Dichloroethene	ug/m3	ND	0.81	03/17/16 12:46	
1,1-Difluoroethane	ug/m3	ND	1.4	03/17/16 17:20	
1,2,4-Trichlorobenzene	ug/m3	ND	75.4	03/17/16 12:46	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/17/16 12:46	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/17/16 17:20	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/17/16 12:46	
1,2-Dichlorobenzene	ug/m3	ND	3.1	03/17/16 12:46	
1,2-Dichloroethane	ug/m3	ND	0.41	03/17/16 12:46	
1,2-Dichloropropane	ug/m3	ND	0.94	03/17/16 12:46	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/17/16 12:46	
1,3-Butadiene	ug/m3	ND	0.45	03/17/16 12:46	
1,3-Dichlorobenzene	ug/m3	ND	2.6	03/17/16 12:46	
1,4-Dichlorobenzene	ug/m3	ND	5.3	03/17/16 12:46	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/17/16 12:46	
2-Butanone (MEK)	ug/m3	ND	3.0	03/17/16 12:46	
2-Hexanone	ug/m3	ND	4.2	03/17/16 12:46	
2-Propanol	ug/m3	ND	2.5	03/17/16 12:46	
4-Ethyltoluene	ug/m3	ND	1.0	03/17/16 12:46	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/17/16 12:46	
Acetone	ug/m3	ND	2.4	03/17/16 12:46	
Allyl chloride	ug/m3	ND	1.6	03/17/16 12:46	
Benzene	ug/m3	ND	0.32	03/17/16 12:46	
Bromodichloromethane	ug/m3	ND	1.4	03/17/16 12:46	
Bromoform	ug/m3	ND	53.3	03/17/16 12:46	
Bromomethane	ug/m3	ND	0.79	03/17/16 12:46	
Carbon disulfide	ug/m3	ND	0.63	03/17/16 12:46	
Carbon tetrachloride	ug/m3	ND	0.64	03/17/16 12:46	
Chlorobenzene	ug/m3	ND	0.94	03/17/16 12:46	
Chlorodifluoromethane	ug/m3	ND	0.72	03/17/16 12:46	
Chloroethane	ug/m3	ND	0.54	03/17/16 12:46	
Chloroform	ug/m3	ND	0.50	03/17/16 12:46	
Chloromethane	ug/m3	ND	0.42	03/17/16 12:46	
Chloropentafluoroethane	ug/m3	ND	3.2	03/17/16 17:20	CL,IC,L2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

METHOD BLANK: 2211850

Matrix: Air

Associated Lab Samples: 10339270001, 10339270002, 10339270003, 10339270004, 10339270005, 10339270006, 10339270007, 10339270008, 10339270009, 10339270010, 10339270011, 10339270012, 10339270013, 10339270014, 10339270015, 10339270016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/17/16 12:46	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/17/16 12:46	
Cyclohexane	ug/m3	ND	0.70	03/17/16 12:46	
Dibromochloromethane	ug/m3	ND	1.7	03/17/16 12:46	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/17/16 12:46	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/17/16 12:46	
Ethylbenzene	ug/m3	ND	0.88	03/17/16 12:46	
Freon 123	ug/m3	ND	3.2	03/17/16 17:20	SS
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	03/17/16 12:46	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/17/16 12:46	
m&p-Xylene	ug/m3	ND	1.8	03/17/16 12:46	
Methyl acetate	ug/m3	ND	1.5	03/17/16 17:20	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/17/16 12:46	
Methylcyclohexane	ug/m3	ND	0.82	03/17/16 12:46	
Methylene Chloride	ug/m3	ND	3.5	03/17/16 12:46	
n-Hexane	ug/m3	ND	0.72	03/17/16 12:46	
o-Xylene	ug/m3	ND	0.88	03/17/16 12:46	
Styrene	ug/m3	ND	0.87	03/17/16 12:46	
Tetrachloroethene	ug/m3	ND	0.69	03/17/16 12:46	
Toluene	ug/m3	ND	0.77	03/17/16 12:46	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/17/16 12:46	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/17/16 12:46	
Trichloroethene	ug/m3	ND	0.55	03/17/16 12:46	
Trichlorofluoromethane	ug/m3	ND	1.1	03/17/16 12:46	
Vinyl chloride	ug/m3	ND	0.26	03/17/16 12:46	

LABORATORY CONTROL SAMPLE: 2211851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	60.9	110	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	82.2	118	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	58.8	106	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	82.5	106	66-131	
1,1-Dichloroethane	ug/m3	41.2	43.7	106	62-139	
1,1-Dichloroethene	ug/m3	40.3	43.3	107	62-135	
1,1-Difluoroethane	ug/m3	5.5	6.1	111	50-150	
1,2,4-Trichlorobenzene	ug/m3	75.5	73.6J	98	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	55.9	112	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	19.6	29.2	149	50-150	CH
1,2-Dibromoethane (EDB)	ug/m3	78.1	91.6	117	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	66.5	109	57-141	
1,2-Dichloroethane	ug/m3	41.2	44.9	109	61-144	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

LABORATORY CONTROL SAMPLE: 2211851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/m3	47	50.9	108	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	65.6	131	54-147	
1,3-Butadiene	ug/m3	22.5	25.5	113	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	65.2	107	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	65.5	107	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	44.0	120	58-144	
2-Butanone (MEK)	ug/m3	150	164	110	66-144	
2-Hexanone	ug/m3	208	265	127	63-147	
2-Propanol	ug/m3	125	116	93	54-146	
4-Ethyltoluene	ug/m3	50	68.0	136	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	208	243	117	58-150	
Acetone	ug/m3	121	122	101	46-140	
Allyl chloride	ug/m3	79.6	87.8	110	65-142	
Benzene	ug/m3	32.5	34.2	105	62-141	
Bromodichloromethane	ug/m3	68.2	75.4	111	58-149	
Bromoform	ug/m3	105	104	98	61-150	
Bromomethane	ug/m3	39.5	40.8	103	58-136	
Carbon disulfide	ug/m3	31.7	32.3	102	59-135	
Carbon tetrachloride	ug/m3	64	74.6	117	60-149	
Chlorobenzene	ug/m3	46.8	51.4	110	60-150	
Chlorodifluoromethane	ug/m3	36	37.1	103	70-130	
Chloroethane	ug/m3	26.8	31.2	116	61-136	
Chloroform	ug/m3	49.7	53.7	108	65-138	
Chloromethane	ug/m3	21	22.5	107	62-133	
Chloropentafluoroethane	ug/m3	12.8	ND	0	50-150	CL,IC,L2,SS
cis-1,2-Dichloroethene	ug/m3	40.3	43.0	107	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	52.4	114	61-149	
Cyclohexane	ug/m3	35	40.0	114	64-134	
Dibromochloromethane	ug/m3	86.6	103	119	59-150	
Dichlorodifluoromethane	ug/m3	50.3	50.6	101	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	72.4	102	62-134	
Ethylbenzene	ug/m3	44.2	52.9	120	59-149	
Freon 123	ug/m3	12.7	14.9	118	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	127	117	42-150	
Isopropylbenzene (Cumene)	ug/m3	50	60.6	121	65-150	
m&p-Xylene	ug/m3	88.3	99.5	113	59-146	
Methyl acetate	ug/m3	6.2	7.7	125	50-150	
Methyl-tert-butyl ether	ug/m3	183	205	112	64-135	
Methylcyclohexane	ug/m3	40.8	46.3	113	70-130	
Methylene Chloride	ug/m3	177	179	101	64-128	
n-Hexane	ug/m3	35.8	32.2	90	50-138	
o-Xylene	ug/m3	44.2	53.8	122	54-149	
Styrene	ug/m3	43.3	55.9	129	54-150	
Tetrachloroethene	ug/m3	69	74.6	108	60-142	
Toluene	ug/m3	38.3	41.9	109	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	46.2	115	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	49.3	107	59-145	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

LABORATORY CONTROL SAMPLE: 2211851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	54.6	59.5	109	60-144	
Trichlorofluoromethane	ug/m3	57.1	59.3	104	59-134	
Vinyl chloride	ug/m3	26	28.4	109	63-135	

SAMPLE DUPLICATE: 2215983

Parameter	Units	10339270008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1J		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	299	297	1	25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,1-Difluoroethane	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromo-3-chloropropane	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	5.8	6.3	7	25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	6.9	7.0	2	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	19.4	19.6	1	25	
Allyl chloride	ug/m3	ND	ND		25	
Benzene	ug/m3	0.95	0.93	2	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	.88J		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chlorodifluoromethane	ug/m3	5.2	5.1	1	25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	1.6	1.5	3	25	
Chloromethane	ug/m3	ND	ND		25	
Chloropentafluoroethane	ug/m3	ND	ND		25	CL,IC,L2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

SAMPLE DUPLICATE: 2215983

Parameter	Units	10339270008 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	3.1	2.7	15	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Freon 123	ug/m3	ND	ND		25	SS
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
Isopropylbenzene (Cumene)	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl acetate	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylcyclohexane	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Hexane	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	53.5	53.3	1	25	
Toluene	ug/m3	ND	1.2J		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	68.5	69.9	2	25	
Trichlorofluoromethane	ug/m3	5.3	5.4	2	25	
Vinyl chloride	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405529 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07822_25476.D

Lab Sample ID: 2212935

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 18:51

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405529 [AIR/	2212936	07811_25476.D	14:30
02	LCS for HBN 405529 [AIR/	2212936	07820_25476.D	18:01
03	VP-106_84_20160218	10339270017	07825.D	20:03

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405529 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07822_25476.D

Lab Sample ID: 2212935

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 18:51

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405529 [AIR/	2212936	07811_25476.D	14:30
02	LCS for HBN 405529 [AIR/	2212936	07820_25476.D	18:01
03	VP-106_84_20160218	10339270017	07825.D	20:03

QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

QC Batch: AIR/25476

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10339270017

METHOD BLANK: 2212935

Matrix: Air

Associated Lab Samples: 10339270017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/18/16 18:51	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/18/16 18:51	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/18/16 18:51	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/18/16 18:51	
1,1-Dichloroethane	ug/m3	ND	0.82	03/18/16 18:51	
1,1-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
1,1-Difluoroethane	ug/m3	ND	1.4	03/18/16 18:51	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	03/24/16 11:00	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/18/16 18:51	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/18/16 18:51	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/18/16 18:51	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,2-Dichloroethane	ug/m3	ND	0.41	03/18/16 18:51	
1,2-Dichloropropane	ug/m3	ND	0.94	03/18/16 18:51	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/18/16 18:51	
1,3-Butadiene	ug/m3	ND	0.45	03/18/16 18:51	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/24/16 11:00	
2-Butanone (MEK)	ug/m3	ND	3.0	03/18/16 18:51	
2-Hexanone	ug/m3	ND	4.2	03/18/16 18:51	
2-Propanol	ug/m3	ND	2.5	03/24/16 11:00	
4-Ethyltoluene	ug/m3	ND	1.0	03/18/16 18:51	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/18/16 18:51	
Acetone	ug/m3	ND	2.4	03/18/16 18:51	
Allyl chloride	ug/m3	ND	1.6	03/18/16 18:51	
Benzene	ug/m3	ND	0.32	03/18/16 18:51	
Bromodichloromethane	ug/m3	ND	1.4	03/18/16 18:51	
Bromoform	ug/m3	ND	5.3	03/18/16 18:51	
Bromomethane	ug/m3	ND	0.79	03/18/16 18:51	
Carbon disulfide	ug/m3	ND	0.63	03/18/16 18:51	
Carbon tetrachloride	ug/m3	ND	0.64	03/18/16 18:51	
Chlorobenzene	ug/m3	ND	0.94	03/18/16 18:51	
Chlorodifluoromethane	ug/m3	ND	0.72	03/18/16 18:51	
Chloroethane	ug/m3	ND	0.54	03/18/16 18:51	
Chloroform	ug/m3	ND	0.50	03/18/16 18:51	
Chloromethane	ug/m3	ND	0.42	03/18/16 18:51	
Chloropentafluoroethane	ug/m3	ND	3.2	03/18/16 18:51	IC,L2
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/18/16 18:51	
Cyclohexane	ug/m3	ND	0.70	03/18/16 18:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

METHOD BLANK: 2212935

Matrix: Air

Associated Lab Samples: 10339270017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/m3	ND	1.7	03/18/16 18:51	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/18/16 18:51	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/18/16 18:51	
Ethylbenzene	ug/m3	ND	0.88	03/18/16 18:51	
Freon 123	ug/m3	ND	3.2	03/18/16 18:51	SS
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	03/18/16 18:51	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/18/16 18:51	
m&p-Xylene	ug/m3	ND	1.8	03/18/16 18:51	
Methyl acetate	ug/m3	ND	1.5	03/18/16 18:51	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/18/16 18:51	
Methylcyclohexane	ug/m3	ND	0.82	03/18/16 18:51	
Methylene Chloride	ug/m3	ND	3.5	03/18/16 18:51	
n-Hexane	ug/m3	ND	0.72	03/18/16 18:51	
o-Xylene	ug/m3	ND	0.88	03/18/16 18:51	
Styrene	ug/m3	ND	0.87	03/18/16 18:51	
Tetrachloroethene	ug/m3	ND	0.69	03/18/16 18:51	
Toluene	ug/m3	ND	0.77	03/18/16 18:51	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/18/16 18:51	
Trichloroethene	ug/m3	ND	0.55	03/18/16 18:51	
Trichlorofluoromethane	ug/m3	ND	1.1	03/18/16 18:51	
Vinyl chloride	ug/m3	ND	0.26	03/18/16 18:51	

LABORATORY CONTROL SAMPLE: 2212936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	54.0	97	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	80.6	115	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	61.7	111	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.5	102	66-131	
1,1-Dichloroethane	ug/m3	41.2	39.8	97	62-139	
1,1-Dichloroethene	ug/m3	40.3	39.2	97	62-135	
1,1-Difluoroethane	ug/m3	5.5	6.5	118	50-150	
1,2,4-Trichlorobenzene	ug/m3	75.5	81.0	107	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	66.8	134	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	19.6	22.9	116	50-150	
1,2-Dibromoethane (EDB)	ug/m3	78.1	87.5	112	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	74.5	122	57-141	
1,2-Dichloroethane	ug/m3	41.2	41.0	100	61-144	
1,2-Dichloropropane	ug/m3	47	50.4	107	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	64.6	129	54-147	
1,3-Butadiene	ug/m3	22.5	22.2	99	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	88.6	145	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	82.6	135	57-143	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507.644 LMC-Great Neck-Re

Pace Project No.: 10339270

LABORATORY CONTROL SAMPLE: 2212936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	45.8	125	58-144	
2-Butanone (MEK)	ug/m3	30	34.5	115	66-144	
2-Hexanone	ug/m3	41.7	56.1	135	63-147	
2-Propanol	ug/m3	125	129	103	54-146	
4-Ethyltoluene	ug/m3	50	64.8	130	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	50.4	121	58-150	
Acetone	ug/m3	24.2	21.2	88	46-140	
Allyl chloride	ug/m3	31.8	33.2	104	65-142	
Benzene	ug/m3	32.5	35.6	110	62-141	
Bromodichloromethane	ug/m3	68.2	74.9	110	58-149	
Bromoform	ug/m3	105	115	110	61-150	
Bromomethane	ug/m3	39.5	39.6	100	58-136	
Carbon disulfide	ug/m3	31.7	32.5	103	59-135	
Carbon tetrachloride	ug/m3	64	75.6	118	60-149	
Chlorobenzene	ug/m3	46.8	52.0	111	60-150	
Chlorodifluoromethane	ug/m3	36	33.8	94	70-130	
Chloroethane	ug/m3	26.8	29.2	109	61-136	
Chloroform	ug/m3	49.7	46.2	93	65-138	
Chloromethane	ug/m3	21	19.6	93	62-133	
Chloropentafluoroethane	ug/m3	12.8	ND	0	50-150	CL,IC,L2
cis-1,2-Dichloroethene	ug/m3	40.3	42.3	105	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	54.9	119	61-149	
Cyclohexane	ug/m3	35	39.4	112	64-134	
Dibromochloromethane	ug/m3	86.6	104	120	59-150	
Dichlorodifluoromethane	ug/m3	50.3	48.3	96	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	68.6	97	62-134	
Ethylbenzene	ug/m3	44.2	50.3	114	59-149	
Freon 123	ug/m3	12.7	12.4	98	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	165	152	42-150	L3,SS
Isopropylbenzene (Cumene)	ug/m3	50	58.5	117	65-150	
m&p-Xylene	ug/m3	44.2	49.5	112	59-146	
Methyl acetate	ug/m3	6.2	7.0	114	50-150	
Methyl-tert-butyl ether	ug/m3	36.7	37.9	103	64-135	
Methylcyclohexane	ug/m3	40.8	50.8	124	70-130	
Methylene Chloride	ug/m3	35.3	36.8	104	64-128	
n-Hexane	ug/m3	35.8	31.7	88	50-138	
o-Xylene	ug/m3	44.2	50.1	113	54-149	
Styrene	ug/m3	43.3	54.0	125	54-150	
Tetrachloroethene	ug/m3	69	71.2	103	60-142	
Toluene	ug/m3	38.3	42.4	111	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	41.0	102	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	59.9	130	59-145	
Trichloroethene	ug/m3	54.6	59.3	109	60-144	
Trichlorofluoromethane	ug/m3	57.1	52.4	92	59-134	
Vinyl chloride	ug/m3	26	25.2	97	63-135	

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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07501BFB.D

BFB Injection Date: 03/15/2016

Instrument ID: 10AIR7

BFB Injection Time: 10:53

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	29.31
75	30.00 - 66.00% of mass 95	49.49
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.66 (0.87)
174	50.00 - 120.00% of mass 95	76.18
175	4.00 - 9.00% of mass 174	6.53 (8.57)
176	93.00 - 101.00% of mass 174	74.98 (98.43)
177	5.00 - 9.00% of mass 176	4.98 (6.64)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07504.D	03/15/2016	12:30
2	CAL2	CAL2	07505.D	03/15/2016	12:52
3	CAL3	CAL3	07506.D	03/15/2016	13:16
4	CAL4	CAL4	07507.D	03/15/2016	13:40
5	CAL5	CAL5	07508.D	03/15/2016	14:07
6	CAL6	CAL6	07509.D	03/15/2016	14:37
7	ICV (LCS)	ICV	07511.D	03/15/2016	15:21

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 12:30
End Cal Date : 15-MAR-2016 14:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516SIMrework.b\T015cust_075-16.m
Last Edit : 07-Jun-2016 10:40 rprovost

Calibration File Names:
Level 01: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07504.D
Level 02: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07505.D
Level 03: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07506.D
Level 04: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07507.D
Level 05: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07508.D
Level 06: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07509.D

Compound (all.sb)	0.1000000 Level 1	0.2000000 Level 2	0.5000000 Level 3	1.0000 Level 4	2.0000 Level 5	3.0000 Level 6	Curve	b	Coefficients m1	m2	%RSD or R^2
1 Chloropentafluoroethane	+++++	+++++	+++++	+++++	+++++	0.02359 AVRG			0.02359		0.000e+000
2 1,1-Difluoroethane	1.21450	1.09270	0.94262	0.88304	0.87739	0.89162 AVRG			0.98365		14.14150
3 Freon 123	1.01579	0.99263	0.96698	0.94713	0.96756	0.95744 AVRG			0.97459		2.58719
4 Methyl Acetate	2.03835	2.03316	1.93872	2.07157	1.98595	1.89886 AVRG			1.99444		3.30220
10 1,2-Dibromo-3-chloropropane	0.27494	0.21870	0.22255	0.22539	0.28124	0.31795 AVRG			0.25680		15.84481
\$ 5 Hexane-d14 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <-
\$ 7 Toluene-d8 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <-
\$ 9 1,4-dichlorobenzene-d4 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <-

Corrected Form with m/z
85

Report Date : 07-Jun-2016 12:04

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 12:30
End Cal Date : 15-MAR-2016 14:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516SIMrework.b\TO15cust_075-16.m
Last Edit : 07-Jun-2016 10:40 rprovost

Average %RSD Results.	
=====	
Calculated Average %RSD = 27.84981	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	
=====	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
=====	=====	=====

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 12:30
End Cal Date : 15-MAR-2016 14:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516SIM.b\TO15cust_075-16.m
Last Edit : 24-Mar-2016 11:36 mschmitz

Calibration File Names:
Level 01: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07504.D
Level 02: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07505.D
Level 03: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07506.D
Level 04: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07507.D
Level 05: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07508.D
Level 06: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07509.D

	0.1000000	0.2000000	0.5000000	1.0000	2.0000	3.0000			Coefficients		%RSD
Compound (all.sb)	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
1 Chloropentafluoroethane	0.43692	0.39095	0.33472	0.31584	0.31339	0.32284	AVRG		0.35244		14.28529
2 1,1-Difluoroethane	1.21450	1.09270	0.94262	0.88304	0.87739	0.89162	AVRG		0.98365		14.14150
3 Freon 123	1.01579	0.99263	0.96698	0.94713	0.96756	0.95744	AVRG		0.97459		2.58719
4 Methyl Acetate	2.03835	2.03316	1.93872	2.07157	1.98595	1.89886	AVRG		1.99444		3.30220
10 1,2-Dibromo-3-chloropropane	0.27494	0.21870	0.22255	0.22539	0.28124	0.31795	AVRG		0.25680		15.84481
\$ 5 Hexane-d14 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		[0.000e+000]		[0.000e+000]<=
\$ 7 Toluene-d8 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		[0.000e+000]		[0.000e+000]<=
\$ 9 1,4-dichlorobenzene-d4 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		[0.000e+000]		[0.000e+000]<=

incorrect form

Data File: \\192.168.10.12\chem\10air7.i\031516SIM.b\07504.D
Report Date: 24-Mar-2016 11:34

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10air7.i\031516SIM.b\07504.D
Lab Smp Id: CAL1
Inj Date : 15-MAR-2016 12:30
Operator : MJL
Smp Info :
Misc Info :
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10air7.i\031516SIM.b\TO15cust_075-16.m
Meth Date : 24-Mar-2016 10:58 10air7.i Quant Type: ISTD
Cal Date : 15-MAR-2016 12:30 Cal File: 07504.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Chloropentafluoroethane	65		2.390	2.390	(0.528)	7685	0.10000	0.488 (M)
2 1,1-Difluoroethane	51		2.379	2.379	(0.525)	21362	0.10000	0.123 (a)
3 Freon 123	83		2.812	2.812	(0.621)	17867	0.10000	0.104 (a)
4 Methyl Acetate	43		3.097	3.097	(0.684)	35853	0.10000	0.102 (a)
\$ 5 Hexane-d14 (S)	66		Compound Not Detected.					
* 6 1,4-Difluorobenzene	114		4.530	4.530	(1.000)	1758919	10.0000	
\$ 7 Toluene-d8 (S)	98		Compound Not Detected.					
* 8 Chlorobenzene - d5	117		7.366	7.366	(1.000)	960472	10.0000	(M)
\$ 9 1,4-dichlorobenzene-d4 (S)	150		Compound Not Detected.					
10 1,2-Dibromo-3-chloropropane	157		11.859	11.859	(2.618)	4836	0.10000	0.107 (aM)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07701BFB.D

BFB Injection Date: 03/17/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:26

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	33.78
75	30.00 - 66.00% of mass 95	50.62
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	1.49 (1.95)
174	50.00 - 120.00% of mass 95	76.47
175	4.00 - 9.00% of mass 174	6.39 (8.36)
176	93.00 - 101.00% of mass 174	73.64 (96.29)
177	5.00 - 9.00% of mass 176	4.99 (6.77)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCVCUST	CCVCUST	07710.D	03/17/2016	14:52
2	LCS for HBN 405319 [AIR/	2211851	07710_25459.D	03/17/2016	14:52
3	BLANK for HBN 405319 [AI	2211850	07716_25459.D	03/17/2016	17:20
4	VP-4_20_20160218	10339270004	07717.D	03/17/2016	17:47
5	VP-4_5_20160218 DUP	10339270002	07718.D	03/17/2016	18:15
6	VP-4_5_20160218	10339270001	07719.D	03/17/2016	18:42
7	VP-101_15_20160218	10339270007	07720.D	03/17/2016	19:10
8	VP-101_5_20160218	10339270006	07721.D	03/17/2016	19:37
9	VP-101_27_20160218	10339270008	07722.D	03/17/2016	20:04
10	VP-101_27_20160218(219	2215983-DUP	07723.D	03/17/2016	20:31
11	VP-106_11_20160218	10339270011	07725.D	03/17/2016	21:26
12	VP-106_19.5_20160218	10339270012	07726.D	03/17/2016	21:53
13	VP-101_27_20160218 DU	10339270009	07727.D	03/17/2016	22:20
14	VP-106_5_20160218	10339270010	07728.D	03/17/2016	22:48
15	VP-106_56_20160218	10339270014	07729.D	03/17/2016	23:15
16	VP-106_72_20160218 DU	10339270016	07730.D	03/17/2016	23:42
17	VP-4_10_20160218	10339270003	07731.D	03/18/2016	00:09
18	VP-106_72_20160218	10339270015	07732.D	03/18/2016	00:38
19	VP-4_30_20160218	10339270005	07733.D	03/18/2016	01:05
20	VP-106_28_20160218	10339270013	07734.D	03/18/2016	01:31

Data File: \\192.168.10.12\chem\10air7.i\031716cust.b\07710.D
Report Date: 17-Mar-2016 15:58

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 17-MAR-2016 14:52
Lab File ID: 07710.D Init. Cal. Date(s): 15-MAR-2016 15-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:30 14:37
Lab Sample ID: CCV CUST Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\031716cust.b\T015cust_075-16.m

COMPOUND	RRF / AMOUNT	RF2	CCAL RRF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chloropentafluoroethane	2.00000	81.87865	1.14966	0.010	3994	30.00000	Line	(AM) <-
2 1,1-Difluoroethane	0.98365	1.09075	1.09075	0.010	10.88839	30.00000	Aver	
3 Freon 123	0.97459	1.14527	1.14527	0.010	17.51258	30.00000	Aver	
4 Methyl Acetate	1.99444	2.49114	2.49114	0.010	24.90468	30.00000	Aver	
\$ 5 Hexane-d14 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 7 Toluene-d8 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	++++	0.010	++++	30.00000	Averaged	<-
10 1,2-Dibromo-3-chloropropane	0.25680	0.38223	0.38223	0.010	48.84457	30.00000	Aver	<-

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Average %D / Drift Results.	
Calculated Average %D/Drift =	819
Maximun Average %D/Drift =	30.00000
* Failed Average %D/Drift Test.	

Data File: \\192.168.10.12\chem\10air7.i\031716cust.b\07710.D
Report Date: 17-Mar-2016 15:58

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10air7.i\031716cust.b\07710.D
Lab Smp Id: CCV CUST
Inj Date : 17-MAR-2016 14:52
Operator : AEJ
Smp Info : CCV CUST
Misc Info : 25447
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10air7.i\031716cust.b\TO15cust_075-16.m
Meth Date : 17-Mar-2016 15:57 ajacobson Quant Type: ISTD
Cal Date : 15-MAR-2016 14:37 Cal File: 07509.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: V16TARGET6

Inst ID: 10air7.i

Continuing Calibration Sample

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ppbv)	ON-COL (ppbv)
1 Chloropentafluoroethane	85		2.789	2.789	(0.616)	452746	2.00000	81.9 (AM)
2 1,1-Difluoroethane	51		2.356	2.356	(0.520)	429547	2.00000	2.22
3 Freon 123	83		2.789	2.789	(0.616)	451016	2.00000	2.35
4 Methyl Acetate	43		3.074	3.074	(0.679)	981035	2.00000	2.50
\$ 5 Hexane-d14 (S)	66		Compound Not Detected.					
* 6 1,4-Difluorobenzene	114		4.529	4.529	(1.000)	1969046	10.0000	
\$ 7 Toluene-d8 (S)	98		Compound Not Detected.					
* 8 Chlorobenzene - d5	117		7.373	7.373	(1.000)	1064687	10.0000	
\$ 9 1,4-dichlorobenzene-d4 (S)	150		Compound Not Detected.					
10 1,2-Dibromo-3-chloropropane	157		11.834	11.834	(2.613)	150524	2.00000	2.98

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07801.D

BFB Injection Date: 03/18/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:37

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	34.85
75	30.00 - 66.00% of mass 95	51.81
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	74.34
175	4.00 - 9.00% of mass 174	6.26 (8.42)
176	93.00 - 101.00% of mass 174	73.74 (99.20)
177	5.00 - 9.00% of mass 176	4.86 (6.60)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	LCS for HBN 405529 [AIR/	2212936	07811_25476.D	03/18/2016	14:30
2	CCV	CCV	07811.D	03/18/2016	14:30
3	BLANK for HBN 405529 [AI	2212935	07822_25476.D	03/18/2016	18:51
4	VP-106_84_20160218	10339270017	07825.D	03/18/2016	20:03
5	VP-106_84_20160218(219	2213853-DUP	07826.D	03/18/2016	20:32

Data File: \\192.168.10.12\chem\10air7.i\031816cust.b\07811.D
Report Date: 24-Mar-2016 14:54

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 18-MAR-2016 14:30
Lab File ID: 07811.D Init. Cal. Date(s): 15-MAR-2016 15-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:30 14:37
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\031816cust.b\T015cust_075-16.m

			MIN		MAX	CURVE	QC
COMPOUND	RRF / AMOUNT	RF2	RRF	%D / %DRIFT	%D / %DRIFT	TYPE	FLAGS
1 Chloropentafluoroethane	0.35244	0.44026	0.010	24.91565	30.00000	Aver	(M)
2 1,1-Difluoroethane	0.98365	1.15866	0.010	17.79255	30.00000	Aver	(M)
3 Freon 123	0.97459	0.95260	0.010	-2.25646	30.00000	Aver	
4 Methyl Acetate	1.99444	2.27726	0.010	14.18062	30.00000	Aver	
\$ 5 Hexane-d14 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 7 Toluene-d8 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
10 1,2-Dibromo-3-chloropropane	0.25680	0.29865	0.010	16.29853	30.00000	Aver	(M)

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	15.08876
Maximun Average %D/Drift =	30.00000
* Passed Average %D/Drift Test.	

Data File: \\192.168.10.12\chem\10air7.i\031816cust.b\07811.D
Report Date: 24-Mar-2016 14:54

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10air7.i\031816cust.b\07811.D
Lab Smp Id: CCV
Inj Date : 18-MAR-2016 14:30
Operator : AEJ
Smp Info :
Misc Info :
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10air7.i\031816cust.b\TO15cust_075-16.m
Meth Date : 24-Mar-2016 14:54 10air7.i Quant Type: ISTD
Cal Date : 15-MAR-2016 14:37 Cal File: 07509.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Processing Host: 10MNAIRRC92

Inst ID: 10air7.i

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG					AMOUNTS	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppbv)	ON-COL (ppbv)
1 Chloropentafluoroethane	65		2.367	2.367	(0.523)	163424	2.00000	2.50 (M)
2 1,1-Difluoroethane	51		2.367	2.367	(0.523)	430097	2.00000	2.36 (M)
3 Freon 123	83		2.789	2.789	(0.616)	353606	2.00000	1.95
4 Methyl Acetate	43		3.074	3.074	(0.679)	845322	2.00000	2.28
\$ 5 Hexane-d14 (S)	66		Compound Not Detected.					
* 6 1,4-Difluorobenzene	114		4.529	4.529	(1.000)	1856008	10.0000	
\$ 7 Toluene-d8 (S)	98		Compound Not Detected.					
* 8 Chlorobenzene - d5	117		7.373	7.373	(1.000)	993567	10.0000	
\$ 9 1,4-dichlorobenzene-d4 (S)	150		Compound Not Detected.					
10 1,2-Dibromo-3-chloropropane	157		11.834	11.834	(2.613)	110859	2.00000	2.32 (M)

QC Flag Legend

M - Compound response manually integrated.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07601BFB.D

BFB Injection Date: 03/16/2016

Instrument ID: 10AIR7

BFB Injection Time: 07:40

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	30.29
75	30.00 - 66.00% of mass 95	49.54
96	5.00 - 9.00% of mass 95	6.53
173	Less than 2.00% of mass 174	0.96 (1.26)
174	50.00 - 120.00% of mass 95	76.70
175	4.00 - 9.00% of mass 174	6.23 (8.12)
176	93.00 - 101.00% of mass 174	76.15 (99.28)
177	5.00 - 9.00% of mass 176	4.91 (6.45)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07604.D	03/16/2016	09:18
2	CAL2	CAL2	07605.D	03/16/2016	09:41
3	CAL3	CAL3	07606.D	03/16/2016	10:05
4	CAL4	CAL4	07607.D	03/16/2016	10:30
5	CAL5	CAL5	07608.D	03/16/2016	10:53
6	CAL6	CAL6	07609.D	03/16/2016	11:18
7	CAL7	CAL7	07610.D	03/16/2016	11:42
8	ICV (LCS)	ICV	07612.D	03/16/2016	12:28

Report Date : 16-Mar-2016 13:24

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 09:18
End Cal Date : 16-MAR-2016 11:42
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031616.b\T015_076-16.m
Last Edit : 16-Mar-2016 12:08 mlytle

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\031616.b\07604.D
Level 02: all \\192.168.10.12\chem\10air7.i\031616.b\07605.D
Level 03: all \\192.168.10.12\chem\10air7.i\031616.b\07606.D
Level 04: all \\192.168.10.12\chem\10air7.i\031616.b\07607.D
Level 05: all \\192.168.10.12\chem\10air7.i\031616.b\07608.D
Level 06: all \\192.168.10.12\chem\10air7.i\031616.b\07609.D
Level 07: all \\192.168.10.12\chem\10air7.i\031616.b\07610.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.46795	0.44496	0.44503	0.42728	0.39785	0.38713					
	0.39323						AVRG		0.42335		7.35148
2 Propylene	0.25454	0.20838	0.18372	0.19810	0.18972	0.18638					
	0.18959						AVRG		0.20149		12.31957
3 Dichlorodifluoromethane	0.50457	0.49081	0.45182	0.44541	0.41819	0.42419					
	0.43026						AVRG		0.45218		7.39135
4 Dichlorotetrafluoroethane	0.55049	0.49074	0.46085	0.44245	0.44081	0.44884					
	0.44660						AVRG		0.46868		8.52863

Report Date : 16-Mar-2016 13:24

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 09:18
End Cal Date : 16-MAR-2016 11:42
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031616.b\TO15_076-16.m
Last Edit : 16-Mar-2016 12:08 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.34833 0.28431	0.34556	0.32982	0.31161	0.31010	0.29729	AVRG		0.31815	7.57709
6 Vinyl chloride	0.19750 0.18272	0.18041	0.19909	0.19643	0.19294	0.18315	AVRG		0.19032	4.18225
7 1,3-Butadiene	0.11286 0.15500	0.18131	0.16799	0.16251	0.16101	0.15646	AVRG		0.15673	13.56013
8 Bromomethane	0.17995 0.16690	0.21646	0.18605	0.18364	0.17719	0.16823	AVRG		0.18263	9.07754
9 Chloroethane	0.04397 0.07376	0.07450	0.07641	0.07934	0.07822	0.07480	AVRG		0.07157	17.23910
10 Ethanol	0.12361 0.08113	0.12510	0.10573	0.11122	0.08453	0.08129	AVRG		0.10180	19.10278
11 Vinyl Bromide	0.19114 0.15557	0.18579	0.17993	0.16871	0.17102	0.16116	AVRG		0.17333	7.47182

Report Date : 16-Mar-2016 13:24

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Last Edit : 16-Mar-2016 12:08 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
12 Isopentane	0.37820 0.22785	0.36972	0.35528	0.33292	0.28530	0.26040	AVRG		0.31567	18.46586
13 Acrolein	0.04460 0.07576	0.05460	0.07014	0.07364	0.08407	0.07704	AVRG		0.06855	20.29541
14 Trichlorofluoromethane	0.63739 0.46305	0.61946	0.59243	0.54044	0.53539	0.48526	AVRG		0.55335	11.95129
15 Acetone	0.69109 0.31894	0.67655	0.62279	0.61119	0.43339	0.37764	AVRG		0.53308	28.61895
16 Isopropyl Alcohol	0.62553 0.34682	0.59875	0.51118	0.52442	0.41728	0.38349	AVRG		0.48678	22.01231
17 Acrylonitrile	0.18112 0.16156	0.20354	0.18983	0.19768	0.19174	0.17091	AVRG		0.18519	8.05780
18 1,1-Dichloroethene	0.37730 0.32365	0.39934	0.39942	0.37036	0.37500	0.33260	AVRG		0.36824	8.09419

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.58912 0.34121	0.55219	0.50955	0.50427	0.44142	0.37799	AVRG		0.47368	19.16734
20 Freon 113	0.42382 0.31041	0.37840	0.38399	0.37365	0.36228	0.33141	AVRG		0.36628	10.08029
21 Methylene chloride	0.50124 0.22304	0.43965	0.42775	0.40589	0.36357	0.27450	AVRG		0.37652	25.92200
22 Allyl Chloride	0.06339 0.06180	0.06552	0.06756	0.06435	0.07235	0.06560	AVRG		0.06580	5.19160
23 Carbon Disulfide	0.60737 0.42399	0.52358	0.47474	0.47188	0.46296	0.42686	AVRG		0.48448	13.14282
24 trans-1,2-dichloroethene	0.13402 0.15021	0.15386	0.15970	0.16476	0.16640	0.15609	AVRG		0.15501	7.03218
25 Methyl Tert Butyl Ether	0.47566 0.33934	0.44643	0.45538	0.46861	0.44275	0.38304	AVRG		0.43017	11.65266

Report Date : 16-Mar-2016 13:24

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.91759 0.60842	0.88103	0.88508	0.86786	0.80861	0.74310	AVRG		0.81595	13.28194
27 1,1-Dichloroethane	0.37835 0.33876	0.40719	0.39125	0.39720	0.37519	0.34420	AVRG		0.37602	6.91690
29 Methyl Ethyl Ketone	0.06982 0.06343	0.06904	0.07191	0.07002	0.06636	0.06601	AVRG		0.06808	4.29432
30 n-Hexane	0.49841 0.28605	0.42514	0.38139	0.37180	0.34757	0.32389	AVRG		0.37632	18.49314
31 Di-isopropyl Ether	1.14652 ++++	1.08738	1.09362	1.08273	0.79952	0.58676	AVRG		0.96609	23.08864
32 Ethyl Acetate	0.82034 0.53532	0.82358	0.67826	0.66531	0.61247	0.57464	AVRG		0.67285	16.81090
33 cis-1,2-Dichloroethene	0.16734 0.16085	0.18512	0.17664	0.17311	0.16732	0.16190	AVRG		0.17033	5.05759

Report Date : 16-Mar-2016 13:24

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.76123 0.43534	0.72883	0.71764	0.73378	0.64491	0.53100	AVRG		0.65039	18.87740
35 Chloroform	0.47395 0.34690	0.46838	0.44931	0.44214	0.41940	0.38058	AVRG		0.42581	11.04092
36 Tetrahydrofuran	0.34233 0.27969	0.32088	0.32970	0.33018	0.30010	0.28523	AVRG		0.31259	7.77363
37 1,1,1-Trichloroethane	0.48911 0.45821	0.47907	0.50410	0.48129	0.46774	0.45948	AVRG		0.47700	3.47596
38 1,2-Dichloroethane	0.43193 0.36928	0.46411	0.45893	0.41560	0.42203	0.38118	AVRG		0.42044	8.52344
39 Benzene	0.47695 0.46597	0.49268	0.48330	0.44840	0.46860	0.45819	AVRG		0.47059	3.20093
40 Carbon tetrachloride	0.36349 0.45541	0.35932	0.37983	0.34930	0.43738	0.44511	AVRG		0.39855	11.43092

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.26279 0.31277	0.31961	0.29392	0.29129	0.32331	0.31504	AVRG		0.30268	7.09202
42 Tert Amyl Methyl Ether	0.74271 0.39374	0.57966	0.49733	0.48723	0.47106	0.43946	AVRG		0.51588	22.30630
44 2,2,4-Trimethylpentane	0.84969 0.84349	0.92804	0.90789	0.90272	0.96685	0.92394	AVRG		0.90323	4.85733
45 Heptane	0.43463 0.45953	0.44010	0.43863	0.43331	0.43673	0.45656	AVRG		0.44278	2.41741
46 1,2-Dichloropropane	0.21626 0.21740	0.17644	0.19942	0.21272	0.21419	0.21090	AVRG		0.20676	7.07609
47 Trichloroethene	0.17244 0.21189	0.18579	0.18505	0.19252	0.20094	0.19360	AVRG		0.19175	6.55258
48 1,4-Dioxane	++++ 0.09652	0.05041	0.06095	0.08725	0.09169	0.08822	AVRG		0.07918	23.72304

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.36184	0.36456	0.38134	0.38168	0.39976	0.41558				
	0.43170						AVRG		0.39092	6.65997
50 Methylcyclohexane	+++++	0.05767	0.07556	0.08980	0.08845	0.09419				
	0.10106						AVRG		0.08446	18.43369
51 Methyl Isobutyl Ketone	0.73194	0.70137	0.63624	0.67121	0.66149	0.56710				
	0.47528						AVRG		0.63495	13.78076
52 cis-1,3-Dichloropropene	0.21792	0.22304	0.24152	0.25167	0.26665	0.27729				
	0.29343						AVRG		0.25307	11.02705
53 trans-1,3-Dichloropropene	0.19045	0.19268	0.20101	0.20789	0.23785	0.25071				
	0.26793						AVRG		0.22122	13.90276
55 Toluene	0.54044	0.50046	0.50053	0.48441	0.51981	0.54583				
	0.56000						AVRG		0.52164	5.36160
56 1,1,2-Trichloroethane	0.22002	0.20315	0.19464	0.18549	0.19813	0.21512				
	0.22379						AVRG		0.20576	6.91804

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	1.17558 0.87762	1.22750	1.05266	1.11619	1.32172	1.07912	AVRG		1.12149	12.62538
58 Dibromochloromethane	0.68276 0.86505	0.63255	0.65039	0.64768	0.80371	0.84501	AVRG		0.73245	13.84485
59 1,2-Dibromoethane	0.55335 0.69793	0.61308	0.58341	0.58413	0.68197	0.69083	AVRG		0.62924	9.50148
60 Tetrachloroethene	0.52333 0.57570	0.48392	0.49218	0.46473	0.51756	0.54579	AVRG		0.51474	7.40677
62 Chlorobenzene	0.79025 0.81339	0.71733	0.71461	0.67020	0.75994	0.79811	AVRG		0.75198	7.01820
63 Ethyl Benzene	1.11992 1.31918	1.05262	1.02673	1.05585	1.27830	1.31181	AVRG		1.16634	11.27932
64 m&p-Xylene	0.85570 0.87989	0.82755	0.74971	0.78049	0.87086	0.88457	AVRG		0.83554	6.27373

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	1423 1142917	2720	7670	16783	257648	665546	LINR	-0.02582	0.76852		0.99873
66 Styrene	0.44046 0.75868	0.50972	0.52308	0.55126	0.73233	0.73596	AVRG		0.60736		21.53992
67 o-Xylene	0.87252 1.02767	0.83912	0.81370	0.82839	1.02175	1.01429	AVRG		0.91678		10.83954
68 1,1,2,2-Tetrachloroethane	0.79415 0.78246	0.75301	0.62900	0.69335	0.84863	0.76686	AVRG		0.75249		9.52603
69 Isopropylbenzene	1.33159 1.38267	1.19815	1.10099	1.09693	1.41408	1.37963	AVRG		1.27201		10.78490
70 N-Propylbenzene	1.26584 1.62541	1.18931	1.09933	1.20156	1.70978	1.59071	AVRG		1.38313		18.03457
71 4-Ethyltoluene	0.85840 1.26941	0.87230	0.79397	0.85721	1.28425	1.22751	AVRG		1.02329		21.87118

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	0.75812 1.05454	0.76437	0.70624	0.78056	1.09007	1.02099	AVRG		0.88213		18.67019
73 Tert-Butyl Benzene	0.71729 1.14598	0.69624	0.70790	0.74402	1.17145	1.10949	AVRG		0.89891		25.45725
74 1,2,4-Trimethylbenzene	2229 1579688	4614	11231	26253	407719	932488	LINR	-0.01368	1.06649		0.99931
75 1,3-Dichlorobenzene	1548 1043192	3095	6855	15527	245579	589972	LINR	-0.02034	0.69652		0.99811
76 Sec- Butylbenzene	1.02054 1.51778	0.99527	0.96371	1.02830	1.57129	1.44956	AVRG		1.22092		22.61670
78 Benzyl Chloride	1612 1183927	3227	6246	14653	291182	687312	LINR	-0.02069	0.79737		0.99909
79 1,4-Dichlorobenzene	1586 996538	3195	6904	16129	242566	568566	LINR	-0.01506	0.66658		0.99854

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 p-Isopropyltoluene	2589 1726897	5244	12110	28194	439757	1028453	LINR	-0.01667	1.16834		0.99961
81 1,2,3-Trimethylbenzene	2300 1392124	4822	11105	24966	367261	822416	LINR	-0.00656	0.93923		0.99907
82 1,2-Dichlorobenzene	1450 866817	2761	6137	14186	215281	498200	LINR	-0.01114	0.58093		0.99877
83 N-Butylbenzene	1848 1509206	4291	9255	23193	385105	895055	LINR	-0.01676	1.02095		0.99950
84 1,2,4-Trichlorobenzene	++++ 185075	++++	125	1279	40914	106767	LINR	-0.01067	0.12677		0.99865
85 Naphthalene	743 ++++	908	1149	3159	124236	++++	LINR	-0.01099	0.34498		0.99571
86 Hexachlorobutadiene	++++ 222594	860	1821	5152	55791	132117	LINR	-0.00152	0.15004		0.99966

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14 (S)	0.57841 0.47942	0.57615	0.57524	0.55936	0.50435	0.46766	AVRG		0.53437		9.15218
\$ 54 Toluene-d8 (S)	0.82557 0.80513	0.84184	0.84978	0.85281	0.78802	0.77743	AVRG		0.82008		3.70116
\$ 77 1,4-dichlorobenzene-d4 (S)	0.41312 0.55643	0.43049	0.37603	0.42941	0.55689	0.52900	AVRG		0.47019		15.95701

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Average %RSD Results.
=====
Calculated Average %RSD = 14.91701
Maximum Average %RSD = 0.000e+000
* Failed Average %RSD Test.
=====

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07701.D

BFB Injection Date: 03/17/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:26

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	33.78
75	30.00 - 66.00% of mass 95	50.62
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	1.49 (1.95)
174	50.00 - 120.00% of mass 95	76.47
175	4.00 - 9.00% of mass 174	6.39 (8.36)
176	93.00 - 101.00% of mass 174	73.64 (96.29)
177	5.00 - 9.00% of mass 176	4.99 (6.77)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07702.D	03/17/2016	09:49
2	LCS for HBN 405319 [AIR/	2211851	07702T.D	03/17/2016	09:49
3	BLK	BLK	07703.D	03/17/2016	11:52
4	12250IC	12250IC	07704.D	03/17/2016	12:19
5	12252IC	12252IC	07705.D	03/17/2016	12:46
6	BLANK for HBN 405319 [AI	2211850	07705T.D	03/17/2016	12:46
7	12251IC	12251IC	07706.D	03/17/2016	13:13
8	VP-4_20_20160218	10339270004	07717.D	03/17/2016	17:47
9	VP-4_5_20160218 DUP	10339270002	07718.D	03/17/2016	18:15
10	VP-4_5_20160218	10339270001	07719.D	03/17/2016	18:42
11	VP-101_15_20160218	10339270007	07720.D	03/17/2016	19:10
12	VP-101_5_20160218	10339270006	07721.D	03/17/2016	19:37
13	VP-101_27_20160218	10339270008	07722.D	03/17/2016	20:04
14	VP-101_27_20160218(219	2215983-DUP	07723.D	03/17/2016	20:31
15	VP-106_11_20160218	10339270011	07725.D	03/17/2016	21:26
16	VP-106_19.5_20160218	10339270012	07726.D	03/17/2016	21:53
17	VP-101_27_20160218 DU	10339270009	07727.D	03/17/2016	22:20
18	VP-106_5_20160218	10339270010	07728.D	03/17/2016	22:48
19	VP-106_56_20160218	10339270014	07729.D	03/17/2016	23:15
20	VP-106_72_20160218 DU	10339270016	07730.D	03/17/2016	23:42
21	VP-4_10_20160218	10339270003	07731.D	03/18/2016	00:09
22	VP-106_72_20160218	10339270015	07732.D	03/18/2016	00:38
23	VP-4_30_20160218	10339270005	07733.D	03/18/2016	01:05
24	VP-106_28_20160218	10339270013	07734.D	03/18/2016	01:31

Data File: \\192.168.10.12\chem\10air7.i\031716.b\07702.D
 Report Date: 17-Mar-2016 11:38

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 17-MAR-2016 09:49
 Lab File ID: 07702.D Init. Cal. Date(s): 16-MAR-2016 16-MAR-2016
 Analysis Type: AIR Init. Cal. Times: 09:18 11:42
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10air7.i\031716.b\TO15_076-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.42335	0.43674	0.43674	0.010	3.16366	30.00000	Aver	
2 Propylene	0.20149	0.20774	0.20774	0.010	3.10052	30.00000	Aver	
3 Dichlorodifluoromethane	0.45218	0.45480	0.45480	0.010	0.57945	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.46868	0.47744	0.47744	0.010	1.86725	30.00000	Aver	
5 Chloromethane	0.31815	0.34078	0.34078	0.010	7.11560	30.00000	Aver	
6 Vinyl chloride	0.19032	0.20837	0.20837	0.010	9.48495	30.00000	Aver	
7 1,3-Butadiene	0.15673	0.17767	0.17767	0.010	13.35511	30.00000	Aver	
8 Bromomethane	0.18263	0.18874	0.18874	0.010	3.34437	30.00000	Aver	
9 Chloroethane	0.07157	0.08317	0.08317	0.010	16.20908	30.00000	Aver	(M)
10 Ethanol	0.10180	0.09692	0.09692	0.005	-4.79264	30.00000	Aver	
11 Vinyl Bromide	0.17333	0.18524	0.18524	0.010	6.87306	30.00000	Aver	
12 Isopentane	0.31567	2.60597	2.60597	0.010	726	30.00000	Aver	(AM) <-
13 Acrolein	0.06855	0.08853	0.08853	0.010	29.14247	30.00000	Aver	
14 Trichlorofluoromethane	0.55335	0.57461	0.57461	0.010	3.84292	30.00000	Aver	
15 Acetone	0.53308	0.54010	0.54010	0.010	1.31588	30.00000	Aver	
16 Isopropyl Alcohol	0.48678	0.45369	0.45369	0.010	-6.79844	30.00000	Aver	
17 Acrylonitrile	0.18519	0.20984	0.20984	0.010	13.30913	30.00000	Aver	
18 1,1-Dichloroethene	0.36824	0.39587	0.39587	0.010	7.50414	30.00000	Aver	(M)
19 Tert Butyl Alcohol (TBA)	0.47368	0.48412	0.48412	0.010	2.20349	30.00000	Aver	(M)
20 Freon 113	0.36628	0.38781	0.38781	0.010	5.87885	30.00000	Aver	
21 Methylene chloride	0.37652	0.38187	0.38187	0.010	1.41983	30.00000	Aver	
22 Allyl Chloride	0.06580	0.07265	0.07265	0.010	10.42222	30.00000	Aver	
23 Carbon Disulfide	0.48448	0.49366	0.49366	0.010	1.89376	30.00000	Aver	
24 trans-1,2-dichloroethene	0.15501	0.17769	0.17769	0.010	14.63263	30.00000	Aver	(M)
25 Methyl Tert Butyl Ether	0.43017	0.48210	0.48210	0.010	12.06993	30.00000	Aver	(M)
26 Vinyl Acetate	0.81595	0.85040	0.85040	0.010	4.22120	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.37602	0.39895	0.39895	0.010	6.09901	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.53437	0.50041	0.50041	0.010	-6.35484	30.00000	Aver	
29 Methyl Ethyl Ketone	0.06808	0.07458	0.07458	0.010	9.53611	30.00000	Aver	
30 n-Hexane	0.37632	0.33798	0.33798	0.010	-10.18855	30.00000	Aver	(M)
31 Di-isopropyl Ether	0.96609	0.89385	0.89385	0.010	-7.47767	30.00000	Aver	
32 Ethyl Acetate	0.67285	0.73371	0.73371	0.010	9.04622	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.17033	0.18184	0.18184	0.010	6.75773	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.65039	0.71085	0.71085	0.010	9.29625	30.00000	Aver	
35 Chloroform	0.42581	0.46083	0.46083	0.010	8.22424	30.00000	Aver	
36 Tetrahydrofuran	0.31259	0.32441	0.32441	0.010	3.78223	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.47700	0.52368	0.52368	0.010	9.78560	30.00000	Aver	
38 1,2-Dichloroethane	0.42044	0.45901	0.45901	0.010	9.17513	30.00000	Aver	
39 Benzene	0.47059	0.49596	0.49596	0.010	5.39123	30.00000	Aver	
40 Carbon tetrachloride	0.39855	0.46520	0.46520	0.010	16.72352	30.00000	Aver	
41 Cyclohexane	0.30268	0.34587	0.34587	0.010	14.27171	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.51588	0.51986	0.51986	0.010	0.77112	30.00000	Aver	

Data File: \\192.168.10.12\chem\10air7.i\031716.b\07702.D
Report Date: 17-Mar-2016 11:38

QC Flag Legend

- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10air7.i\031716.b\07702.D
 Report Date: 17-Mar-2016 11:38

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 17-MAR-2016 09:49
 Lab File ID: 07702.D Init. Cal. Date(s): 16-MAR-2016 16-MAR-2016
 Analysis Type: AIR Init. Cal. Times: 09:18 11:42
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10air7.i\031716.b\TO15_076-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	0.90323	1.05276	1.05276	0.010	16.55447	30.00000	Aver	
45 Heptane	0.44278	0.65404	0.65404	0.010	47.71050	30.00000	Aver	<-
46 1,2-Dichloropropane	0.20676	0.22407	0.22407	0.010	8.36859	30.00000	Aver	(M)
47 Trichloroethene	0.19175	0.20887	0.20887	0.010	8.92890	30.00000	Aver	
48 1,4-Dioxane	0.07918	0.09521	0.09521	0.010	20.25312	30.00000	Aver	(M)
49 Bromodichloromethane	0.39092	0.43276	0.43276	0.010	10.70354	30.00000	Aver	
50 Methylcyclohexane	0.08446	0.09585	0.09585	0.010	13.48890	30.00000	Aver	
51 Methyl Isobutyl Ketone	0.63495	0.74181	0.74181	0.010	16.83073	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.25307	0.28739	0.28739	0.010	13.56008	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.22122	0.23629	0.23629	0.010	6.81307	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.82008	0.78931	0.78931	0.010	-3.75211	30.00000	Aver	
55 Toluene	0.52164	0.57054	0.57054	0.010	9.37559	30.00000	Aver	
56 1,1,2-Trichloroethane	0.20576	0.21814	0.21814	0.010	6.01567	30.00000	Aver	
57 Methyl Butyl Ketone	1.12149	1.42573	1.42573	0.010	27.12899	30.00000	Aver	
58 Dibromochloromethane	0.73245	0.87233	0.87233	0.010	19.09844	30.00000	Aver	
59 1,2-Dibromoethane	0.62924	0.73762	0.73762	0.010	17.22318	30.00000	Aver	
60 Tetrachloroethene	0.51474	0.55678	0.55678	0.010	8.16705	30.00000	Aver	
62 Chlorobenzene	0.75198	0.82560	0.82560	0.010	9.79148	30.00000	Aver	
63 Ethyl Benzene	1.16634	1.39777	1.39777	0.010	19.84198	30.00000	Aver	
64 m&p-Xylene	0.83554	0.94188	0.94188	0.010	12.72796	30.00000	Aver	
65 Bromoform	10.00000	9.85500	0.73155	0.010	-1.45005	30.00000	Line	
66 Styrene	0.60736	0.78417	0.78417	0.010	29.11117	30.00000	Aver	
67 o-Xylene	0.91678	1.11732	1.11732	0.010	21.87524	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	0.75249	0.88678	0.88678	0.010	17.84521	30.00000	Aver	
69 Isopropylbenzene	1.27201	1.54192	1.54192	0.010	21.21934	30.00000	Aver	
70 N-Propylbenzene	1.38313	1.82552	1.82552	0.010	31.98417	30.00000	Aver	(M) <-
71 4-Ethyltoluene	1.02329	1.39262	1.39262	0.010	36.09161	30.00000	Aver	<-
72 1,3,5-Trimethylbenzene	0.88213	1.15878	1.15878	0.010	31.36260	30.00000	Aver	<-
73 Tert-Butyl Benzene	0.89891	1.25740	1.25740	0.010	39.88063	30.00000	Aver	<-
74 1,2,4-Trimethylbenzene	10.00000	11.19564	1.18033	0.010	11.95642	30.00000	Line	
75 1,3-Dichlorobenzene	10.00000	10.66079	0.72221	0.010	6.60787	30.00000	Line	
76 Sec- Butylbenzene	1.22092	1.70986	1.70986	0.010	40.04663	30.00000	Aver	<-
77 1,4-dichlorobenzene-d4 (S)	0.47019	0.42883	0.42883	0.010	-8.79639	30.00000	Aver	
78 Benzyl Chloride	10.00000	10.23275	0.79523	0.010	2.32754	30.00000	Line	
79 1,4-Dichlorobenzene	10.00000	10.71347	0.69908	0.010	7.13467	30.00000	Line	
80 p-Isopropyltoluene	10.00000	11.16768	1.28810	0.010	11.67681	30.00000	Line	
81 1,2,3-Trimethylbenzene	10.00000	11.43615	1.06756	0.010	14.36153	30.00000	Line	
82 1,2-Dichlorobenzene	10.00000	10.87910	0.62086	0.010	8.79102	30.00000	Line	
83 N-Butylbenzene	10.00000	11.68215	1.17593	0.010	16.82152	30.00000	Line	
84 1,2,4-Trichlorobenzene	10.00000	9.75978	0.11306	0.010	-2.40217	30.00000	Line	
85 Naphthalene	10.00000	7.67422	0.25376	0.010	-23.25782	30.00000	Line	
86 Hexachlorobutadiene	10.00000	11.69492	0.17395	0.010	16.94917	30.00000	Line	

Data File: \\192.168.10.12\chem\10air7.i\031716.b\07702.D
Report Date: 17-Mar-2016 11:38

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 20.72914
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 07811T.D

BFB Injection Date: 03/18/2016

Instrument ID: 10AIR7

BFB Injection Time: 14:30

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	29.57
75	30.00 - 66.00% of mass 95	50.39
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	1.09 (1.40)
174	50.00 - 120.00% of mass 95	78.06
175	4.00 - 9.00% of mass 174	6.17 (7.91)
176	93.00 - 101.00% of mass 174	75.81 (97.11)
177	5.00 - 9.00% of mass 176	4.96 (6.54)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07813.D	03/18/2016	15:14
2	CAL2	CAL2	07814.D	03/18/2016	15:37
3	CAL3	CAL3	07815.D	03/18/2016	16:00
4	CAL4	CAL4	07816.D	03/18/2016	16:25
5	CAL5	CAL5	07817.D	03/18/2016	16:48
6	CAL6	CAL6	07818.D	03/18/2016	17:13
7	CAL7	CAL7	07819.D	03/18/2016	17:38
8	LCS for HBN 405529 [AIR/	2212936	07820_25476.D	03/18/2016	18:01
9	ICV (LCS)	ICV	07820.D	03/18/2016	18:01
10	BLANK for HBN 405529 [AI	2212935	07822_25476.D	03/18/2016	18:51
11	VP-106_84_20160218	10339270017	07825.D	03/18/2016	20:03
12	VP-106_84_20160218(219	2213853-DUP	07826.D	03/18/2016	20:32

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\031816.b\07813.D
Level 02: all \\192.168.10.12\chem\10air7.i\031816.b\07814.D
Level 03: all \\192.168.10.12\chem\10air7.i\031816.b\07815.D
Level 04: all \\192.168.10.12\chem\10air7.i\031816.b\07816.D
Level 05: all \\192.168.10.12\chem\10air7.i\031816.b\07817.D
Level 06: all \\192.168.10.12\chem\10air7.i\031816.b\07818.D
Level 07: all \\192.168.10.12\chem\10air7.i\031816.b\07819.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.66299	0.60065	0.55818	0.54507	0.45884	0.47047					
	0.44763						AVRG		0.53483		15.06082
2 Propylene	0.32928	0.27742	0.23145	0.24654	0.21545	0.22124					
	0.21142						AVRG		0.24754		17.18715
3 Dichlorodifluoromethane	0.74066	0.70340	0.61092	0.59190	0.50615	0.49964					
	0.49634						AVRG		0.59272		16.85926
4 Dichlorotetrafluoroethane	0.71741	0.67617	0.56744	0.57498	0.50352	0.53374					
	0.49225						AVRG		0.58079		14.74430

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.48922 0.31946	0.45026	0.39581	0.39984	0.33904	0.35076	AVRG		0.39206	15.68508
6 Vinyl chloride	0.29239 0.19954	0.27540	0.23937	0.24277	0.19678	0.20720	AVRG		0.23621	15.92138
7 1,3-Butadiene	0.22893 0.16607	0.23189	0.18825	0.20093	0.17046	0.17758	AVRG		0.19487	13.79410
8 Bromomethane	0.20329 0.18005	0.20374	0.21444	0.22115	0.18055	0.19291	AVRG		0.19945	7.94106
9 Chloroethane	0.06198 0.07986	0.10523	0.08216	0.08628	0.08008	0.08506	AVRG		0.08295	15.32795
10 Ethanol	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
11 Vinyl Bromide	0.21901 0.16878	0.19953	0.19027	0.19530	0.16932	0.17915	AVRG		0.18876	9.53922

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
12 Isopentane	0.40621 0.26197	0.43968	0.39827	0.40585	0.30486	0.30512	AVRG		0.36028	18.86356
13 Acrolein	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
14 Trichlorofluoromethane	0.74213 0.52438	0.74028	0.65293	0.66513	0.58418	0.57820	AVRG		0.64103	12.98683
15 Acetone	0.87802 ++++	0.79842	0.75722	0.73791	0.47812	0.42148	AVRG		0.67853	27.18544
16 Isopropyl Alcohol	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
17 Acrylonitrile	0.23915 0.18030	0.23978	0.21854	0.23112	0.20096	0.20753	AVRG		0.21677	10.15113
18 1,1-Dichloroethene	0.48018 0.34736	0.46893	0.43253	0.44472	0.38870	0.39212	AVRG		0.42208	11.35747

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\T015_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.70849 0.40967	0.61903	0.57181	0.59671	0.51550	0.49306	AVRG		0.55918	17.28869
20 Freon 113	0.49826 0.34937	0.49193	0.45062	0.43721	0.38631	0.39697	AVRG		0.43010	12.90118
21 Methylene chloride	0.55404 0.26367	0.51687	0.47869	0.47946	0.36721	0.32867	AVRG		0.42694	25.21976
22 Allyl Chloride	0.06656 0.06458	0.08337	0.06906	0.07229	0.06705	0.06968	AVRG		0.07037	8.87670
23 Carbon Disulfide	0.60120 0.45281	0.58437	0.51845	0.54979	0.47143	0.48870	AVRG		0.52382	10.84904
24 trans-1,2-dichloroethene	0.19130 0.16585	0.23079	0.18211	0.19977	0.17271	0.17896	AVRG		0.18878	11.47729
25 Methyl Tert Butyl Ether	0.62994 0.39004	0.59920	0.54872	0.57658	0.47663	0.45680	AVRG		0.52542	16.47245

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:33
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.98601 0.67463	1.04769	0.96374	1.00094	0.84568	0.73679	AVRG		0.89364	16.05817
27 1,1-Dichloroethane	0.53682 0.33797	0.50628	0.43355	0.46066	0.38953	0.39405	AVRG		0.43698	15.97530
29 Methyl Ethyl Ketone	0.07331 0.07176	0.08635	0.07827	0.08405	0.07411	0.07609	AVRG		0.07771	7.15573
30 n-Hexane	0.53368 0.34760	0.49644	0.44466	0.44891	0.35505	0.36015	AVRG		0.42664	17.36793
31 Di-isopropyl Ether	1.42376 ++++	1.37087	1.23422	1.26873	0.90467	0.72585	AVRG		1.15468	24.02766
32 Ethyl Acetate	0.93066 0.59045	0.92765	0.77300	0.76125	0.67929	0.67421	AVRG		0.76236	16.93325
33 cis-1,2-Dichloroethene	0.20108 0.17134	0.20899	0.19908	0.20456	0.17640	0.18552	AVRG		0.19242	7.61936

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.94719 0.51810	0.90435	0.80835	0.87013	0.71179	0.63846	AVRG		0.77120	20.16341
35 Chloroform	0.55323 0.39665	0.55954	0.51802	0.53267	0.46041	0.44695	AVRG		0.49535	12.41210
36 Tetrahydrofuran	0.41285 0.31320	0.38247	0.37996	0.38861	0.33657	0.33940	AVRG		0.36472	9.70807
37 1,1,1-Trichloroethane	0.55120 0.51232	0.64067	0.62084	0.53973	0.53105	0.52695	AVRG		0.56040	8.89229
38 1,2-Dichloroethane	0.53165 0.38164	0.53461	0.48404	0.52427	0.46027	0.41308	AVRG		0.47565	12.74148
39 Benzene	0.56910 0.51424	0.56809	0.55625	0.54445	0.50408	0.53147	AVRG		0.54110	4.73442
40 Carbon tetrachloride	0.42060 0.51011	0.42496	0.43235	0.44553	0.49661	0.53204	AVRG		0.46603	9.81002

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.38499	0.38035	0.34598	0.36435	0.34590	0.36760				
	0.35228						AVRG		0.36307	4.36201
42 Tert Amyl Methyl Ether	0.86259	0.71105	0.59220	0.59901	0.52565	0.50471				
	0.44777						AVRG		0.60614	23.22119
44 2,2,4-Trimethylpentane	1.20579	1.21429	1.14278	1.18847	1.06642	1.05842				
	0.95527						AVRG		1.11878	8.57699
45 Heptane	0.57740	0.58842	0.53759	0.57252	0.52417	0.54161				
	0.51333						AVRG		0.55072	5.22380
46 1,2-Dichloropropane	0.27523	0.27098	0.24923	0.27092	0.24740	0.23712				
	0.22396						AVRG		0.25355	7.68412
47 Trichloroethene	0.23742	0.23401	0.30067	0.24344	0.22528	0.22350				
	0.22401						AVRG		0.24119	11.31732
48 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++						AVRG		0.000e+000	0.000e+000

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.49512 0.48005	0.48807	0.47528	0.48249	0.48389	0.50108	AVRG		0.48657	1.83781
50 Methylcyclohexane	+++++ 0.11373	0.07285	0.09405	0.10334	0.10598	0.11449	AVRG		0.10074	15.46963
51 Methyl Isobutyl Ketone	0.87134 0.55144	0.85046	0.82481	0.86440	0.77209	0.68043	AVRG		0.77357	15.32893
52 cis-1,3-Dichloropropene	0.27837 0.32810	0.30327	0.29313	0.31531	0.32217	0.33938	AVRG		0.31139	6.79188
53 trans-1,3-Dichloropropene	0.20421 0.30457	0.24026	0.23418	0.26302	0.29375	0.31375	AVRG		0.26482	15.43897
55 Toluene	0.63717 0.61845	0.64968	0.61253	0.63256	0.62388	0.64129	AVRG		0.63079	2.09133
56 1,1,2-Trichloroethane	0.26490 0.24460	0.25746	0.23731	0.24530	0.24147	0.25234	AVRG		0.24905	3.88671

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	1.45405 1.01934	1.41413	1.30905	1.47689	1.40022	1.24847	AVRG		1.33173	11.97311
58 Dibromochloromethane	0.86588 0.97541	0.78439	0.78113	0.84195	0.92987	1.00875	AVRG		0.88391	10.18454
59 1,2-Dibromoethane	0.83326 0.77809	0.80331	0.69774	0.77647	0.77188	0.81895	AVRG		0.78281	5.63891
60 Tetrachloroethene	0.76950 0.63217	0.65582	0.77500	0.63389	0.57970	0.64591	AVRG		0.67029	10.99639
62 Chlorobenzene	0.97967 0.91141	1.00238	0.85146	0.89930	0.87474	0.95428	AVRG		0.92475	6.02293
63 Ethyl Benzene	1.48230 1.48069	1.38901	1.33194	1.46325	1.51333	1.57245	AVRG		1.46185	5.43243
64 m&p-Xylene	1.08513 1.00697	1.04273	0.93900	1.02705	0.96053	1.07815	AVRG		1.01994	5.43789

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	811 978070	2767	7094	16104	257698	636428	LINR	-0.01882	0.84635		0.99899
66 Styrene	0.64014 0.82129	0.62651	0.64148	0.73438	0.82129	0.87746	AVRG		0.73751		14.07546
67 o-Xylene	1.15648 1.15691	1.14801	1.07748	1.15752	1.18491	1.22511	AVRG		1.15806		3.83160
68 1,1,2,2-Tetrachloroethane	0.88256 0.84367	0.91648	0.80609	0.90464	0.89285	0.92669	AVRG		0.88185		4.86609
69 Isopropylbenzene	1.60981 1.52585	1.56266	1.36459	1.48185	1.57661	1.65882	AVRG		1.54002		6.22790
70 N-Propylbenzene	1.36665 1.80510	1.44448	1.37908	1.61068	1.86351	1.95058	AVRG		1.63144		14.91075
71 4-Ethyltoluene	0.84253 1.41064	1.02204	0.98852	1.18188	1.42023	1.51335	AVRG		1.19703		21.44857

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
72 1,3,5-Trimethylbenzene	0.91851	0.90683	0.93260	1.08436	1.18499	1.26792				
	1.16439						AVRG		1.06566	13.80361
73 Tert-Butyl Benzene	0.92259	0.87084	0.85989	1.03983	1.25238	1.34054				
	1.24803						AVRG		1.07630	18.74872
74 1,2,4-Trimethylbenzene	0.78433	0.86713	0.82255	0.99717	1.18129	1.25190				
	1.16221						AVRG		1.00951	18.86708
75 1,3-Dichlorobenzene	0.47223	0.46882	0.47327	0.55818	0.70729	0.79523				
	0.76039						AVRG		0.60506	23.99902
76 Sec- Butylbenzene	1.18428	1.19068	1.17611	1.44265	1.69631	1.78109				
	1.63356						AVRG		1.44353	18.25430
78 Benzyl Chloride	823	1973	5872	13905	255876	658294				
	979045						LINR	-0.02142	0.85604	0.99752
79 1,4-Dichlorobenzene	0.58528	0.52633	0.50211	0.56894	0.68807	0.75661				
	0.71860						AVRG		0.62085	16.03925

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
80 p-Isopropyltoluene	0.95780 1.26544	0.84728	0.89703	0.98607	1.27630	1.38213	AVRG		1.08744	19.69477
81 1,2,3-Trimethylbenzene	0.85884 1.02271	0.84079	0.80174	0.94520	1.06898	1.13221	AVRG		0.95292	13.19270
82 1,2-Dichlorobenzene	1281 744611	2293	6616	14355	202664	499366	LINR	-0.00735	0.64847	0.99822
83 N-Butylbenzene	1671 ++++	3179	10507	24451	378229	899673	LINR	-0.02689	1.22026	0.99910
84 1,2,4-Trichlorobenzene	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
85 Naphthalene	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
86 Hexachlorobutadiene	288 ++++	634	2470	5357	61288	146972	LINR	-0.00267	0.19807	0.99882

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date   : 18-MAR-2016 15:14
End Cal Date     : 18-MAR-2016 17:38
Quant Method     : ISTD
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit       : 19-Mar-2016 10:23 10air7.i
```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14 (S)	0.55092 0.43946	0.52095	0.54644	0.53063	0.49576	0.45027	AVRG		0.50492		8.89864
\$ 54 Toluene-d8 (S)	0.82339 0.81950	0.83844	0.84427	0.84255	0.83314	0.82233	AVRG		0.83195		1.23018
\$ 77 1,4-dichlorobenzene-d4 (S)	0.30895 0.43893	0.30991	0.34652	0.34848	0.43389	0.46386	AVRG		0.37865		17.20759

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\T015_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Average %RSD Results.
=====
Calculated Average %RSD = 12.57587
Maximum Average %RSD = 0.000e+000
* Failed Average %RSD Test.
=====

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 08801BFB.D

BFB Injection Date: 03/28/2016

Instrument ID: 10AIRD

BFB Injection Time: 07:20

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.60
75	30.00 - 66.00% of mass 95	49.15
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	100.81
175	4.00 - 9.00% of mass 174	7.30 (7.24)
176	93.00 - 101.00% of mass 174	98.01 (97.23)
177	5.00 - 9.00% of mass 176	6.05 (6.17)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	08810.D	03/28/2016	12:13
2	CAL2	CAL2	08811.D	03/28/2016	12:37
3	CAL3	CAL3	08812.D	03/28/2016	13:02
4	CAL4	CAL4	08813.D	03/28/2016	13:28
5	CAL5	CAL5	08814.D	03/28/2016	13:52
6	CAL6	CAL6	08815.D	03/28/2016	14:17
7	CAL7	CAL7	08816.D	03/28/2016	14:44
8	ICV (LCS)	ICV	08818.D	03/28/2016	15:32

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-MAR-2016 12:13
End Cal Date : 28-MAR-2016 14:44
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032816.B\TO15_088-16.m
Last Edit : 29-Mar-2016 09:59 mschmitz

Calibration File Names:
Level 01: all \\192.168.10.12\chem\10airD.i\032816.B\08810.d
Level 02: all \\192.168.10.12\chem\10airD.i\032816.B\08811.d
Level 03: all \\192.168.10.12\chem\10airD.i\032816.B\08812.d
Level 04: all \\192.168.10.12\chem\10airD.i\032816.B\08813.d
Level 05: all \\192.168.10.12\chem\10airD.i\032816.B\08814.d
Level 06: all \\192.168.10.12\chem\10airD.i\032816.B\08815.d
Level 07: all \\192.168.10.12\chem\10airD.i\032816.B\08816.d

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.44574	0.41100	0.34582	0.32478	0.37393	0.35408					
	0.34973						AVRG		0.37215		11.34407
2 Propylene	0.13099	0.11236	0.11096	0.10584	0.12397	0.11758					
	0.12188						AVRG		0.11765		7.34487
3 Dichlorodifluoromethane	1.18819	0.87479	0.74405	0.76344	0.83027	0.74844					
	0.72342						AVRG		0.83894		19.43884
4 Dichlorotetrafluoroethane	1.00729	0.80508	0.68207	0.66795	0.71931	0.66473					
	0.64783						AVRG		0.74204		17.29215

Report Date : 29-Mar-2016 14:48

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-MAR-2016 12:13
End Cal Date : 28-MAR-2016 14:44
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032816.B\TO15_088-16.m
Last Edit : 29-Mar-2016 09:59 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.32099 0.21337	0.24912	0.23731	0.21018	0.23045	0.21177	AVRG		0.23903	16.31920
6 Vinyl chloride	0.25743 0.20071	0.22480	0.17711	0.18817	0.20784	0.19763	AVRG		0.20767	12.78970
7 1,3-Butadiene	0.15459 0.12069	0.11544	0.09698	0.11895	0.12393	0.12048	AVRG		0.12158	14.03472
8 Bromomethane	0.40342 0.26814	0.31142	0.25455	0.25293	0.28912	0.27496	AVRG		0.29351	17.90685
9 Chloroethane	0.12054 0.09147	0.11165	0.08483	0.08660	0.09457	0.09173	AVRG		0.09734	13.83689
10 Ethanol	0.05627 0.04099	0.04341	0.03646	0.03921	0.03969	0.05273	AVRG		0.04411	16.93122
11 Vinyl Bromide	0.34594 0.25947	0.29535	0.27096	0.26085	0.28708	0.27069	AVRG		0.28433	10.60795

Report Date : 29-Mar-2016 14:48

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-MAR-2016 12:13
End Cal Date : 28-MAR-2016 14:44
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032816.B\TO15_088-16.m
Last Edit : 29-Mar-2016 09:59 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
12 Isopentane	0.24698 0.18242	0.26798	0.16212	0.17677	0.18359	0.17950	AVRG		0.19991	20.21779
13 Acrolein	+++++ 0.06405	0.04244	0.03784	0.04286	0.06238	0.06260	AVRG		0.05203	23.39259
14 Trichlorofluoromethane	1.20993 0.74593	0.95612	0.80407	0.80910	0.86178	0.79826	AVRG		0.88360	17.91456
15 Acetone	0.41779 0.29001	0.44953	0.37342	0.35847	0.31599	0.29759	AVRG		0.35754	17.02237
16 Isopropyl Alcohol	0.30514 0.22875	0.24063	0.21029	0.22120	0.23597	0.29205	AVRG		0.24772	14.66146
17 Acrylonitrile	0.10567 0.13489	0.11889	0.10681	0.10144	0.13791	0.13358	AVRG		0.11988	12.97502
18 1,1-Dichloroethene	0.52683 0.38360	0.40845	0.38152	0.36815	0.41444	0.38812	AVRG		0.41016	13.13295

Report Date : 29-Mar-2016 14:48

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-MAR-2016 12:13
End Cal Date : 28-MAR-2016 14:44
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032816.B\TO15_088-16.m
Last Edit : 29-Mar-2016 09:59 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.57052 0.40240	0.45912	0.39539	0.42830	0.41692	0.45811	 AVRG		0.44725	13.36418
20 Freon 113	0.82101 0.53408	0.64505	0.54287	0.53327	0.58333	0.54978	 AVRG		0.60134	17.40474
21 Methylene chloride	0.29998 0.23414	0.25573	0.22944	0.21447	0.24180	0.23580	 AVRG		0.24448	11.23023
22 Allyl Chloride	0.11585 0.10777	0.09538	0.09655	0.08604	0.11034	0.10630	 AVRG		0.10261	10.05723
23 Carbon Disulfide	0.95621 0.70381	0.80896	0.66592	0.64583	0.73700	0.69623	 AVRG		0.74485	14.38974
24 trans-1,2-dichloroethene	0.31070 0.26008	0.26454	0.21765	0.22512	0.26917	0.25843	 AVRG		0.25796	11.90490
25 Methyl Tert Butyl Ether	0.92715 0.58246	0.74171	0.66895	0.64523	0.70880	0.63968	 AVRG		0.70200	15.90545

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Last Edit : 29-Mar-2016 09:59 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.56021	0.38615	0.42493	0.40074	0.57001	0.55617				
	0.58403						AVRG		0.49746	17.81929
27 1,1-Dichloroethane	0.54352	0.49648	0.42710	0.39468	0.46003	0.44151				
	0.44394						AVRG		0.45818	10.62937
29 Methyl Ethyl Ketone	0.12644	0.10936	0.08953	0.09588	0.11676	0.11468				
	0.11388						AVRG		0.10951	11.61164
30 n-Hexane	0.51418	0.43338	0.40034	0.37420	0.45399	0.43944				
	0.45055						AVRG		0.43801	10.09415
31 Di-isopropyl Ether	0.74299	0.63749	0.54626	0.54154	0.62665	0.58982				
	0.56448						AVRG		0.60703	11.62647
32 Ethyl Acetate	0.52514	0.46176	0.41015	0.39718	0.45752	0.45353				
	0.46294						AVRG		0.45260	9.17748
33 cis-1,2-Dichloroethene	0.32065	0.26066	0.24666	0.23640	0.28600	0.28072				
	0.28420						AVRG		0.27361	10.34501

Report Date : 29-Mar-2016 14:48

Pace Analytical Services, Inc.

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Last Edit : 29-Mar-2016 09:59 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.89313 0.63050	0.72554	0.64899	0.63308	0.73750	0.68277	AVRG		0.70736	13.05746
35 Chloroform	0.94677 0.63916	0.72789	0.60909	0.59772	0.67955	0.65377	AVRG		0.69342	17.30104
36 Tetrahydrofuran	0.19118 0.21492	0.16541	0.17049	0.15976	0.20961	0.20823	AVRG		0.18851	12.29529
37 1,1,1-Trichloroethane	0.83180 0.68401	0.69044	0.70054	0.63405	0.75695	0.70606	AVRG		0.71483	8.81197
38 1,2-Dichloroethane	0.58516 0.46439	0.47815	0.41778	0.40386	0.50930	0.48186	AVRG		0.47721	12.62531
39 Benzene	3216 1507783	4551	12640	43439	507361	1009920	LINR	0.00993	0.80826	0.99725
40 Carbon tetrachloride	0.52615 0.72245	0.47815	0.51929	0.60636	0.81427	0.75008	AVRG		0.63096	20.82288

Report Date : 29-Mar-2016 14:48

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Method file : \\192.168.10.12\chem\10airD.i\032816.B\TO15_088-16.m
Last Edit : 29-Mar-2016 09:59 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
41 Cyclohexane	0.42483	0.36870	0.27059	0.29526	0.31103	0.30077				
	0.29547						AVRG		0.32381	16.61407
42 Tert Amyl Methyl Ether	1.07972	0.83480	0.68503	0.65317	0.74044	0.67822				
	0.63013						AVRG		0.75736	20.78880
44 2,2,4-Trimethylpentane	1.12864	0.91298	0.79015	0.76849	0.90298	0.85802				
	0.84663						AVRG		0.88684	13.43809
45 Heptane	0.38471	0.30305	0.28433	0.26358	0.32219	0.30943				
	0.31164						AVRG		0.31128	12.15140
46 1,2-Dichloropropane	0.27513	0.27159	0.22077	0.21681	0.27043	0.25925				
	0.26124						AVRG		0.25360	9.64777
47 Trichloroethene	0.43950	0.40519	0.32259	0.31791	0.40444	0.38627				
	0.37800						AVRG		0.37913	11.77699
48 Methyl methacrylate	0.21141	0.17730	0.17823	0.18740	0.25180	0.24517				
	0.24207						AVRG		0.21334	15.45817

Report Date : 29-Mar-2016 14:48

Pace Analytical Services, Inc.

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Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032816.B\TO15_088-16.m
Last Edit : 29-Mar-2016 09:59 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
49 1,4-Dioxane	288	714	1129	3619	50124	152609					
	++++						QUAD	0.00011	0.05013	0.03855	0.99998
50 Bromodichloromethane	0.89535	0.67334	0.59290	0.59454	0.74774	0.70144					
	0.67995						AVRG		0.69790		14.81226
51 Methylcyclohexane	0.14009	0.15166	0.13290	0.12736	0.16310	0.15083					
	0.15298						AVRG		0.14556		8.64003
52 Methyl Isobutyl Ketone	0.47686	0.41842	0.37573	0.36735	0.48803	0.46712					
	0.45803						AVRG		0.43593		11.27094
53 cis-1,3-Dichloropropene	0.46715	0.40853	0.37532	0.38436	0.49505	0.47778					
	0.47404						AVRG		0.44032		11.21135
54 trans-1,3-Dichloropropene	0.35555	0.33583	0.30255	0.31115	0.48938	0.47897					
	0.48136						AVRG		0.39354		21.76945
56 Toluene	1.08198	0.82086	0.74777	0.74657	0.99552	0.94138					
	0.92058						AVRG		0.89352		14.23447

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Method file : \\192.168.10.12\chem\10airD.i\032816.B\TO15_088-16.m
Last Edit : 29-Mar-2016 09:59 mschmitz

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
57 1,1,2-Trichloroethane	0.41152 0.34997	0.34465	0.31246	0.28345	0.36712	0.35041	 AVRG		0.34565	11.69956
58 Methyl Butyl Ketone	1.00719 0.95139	0.73323	0.72033	0.74829	1.01484	0.97683	 AVRG		0.87887	15.62892
59 Dibromochloromethane	1.92765 1.65757	1.52269	1.40497	1.44969	1.82320	1.71435	 AVRG		1.64288	11.84738
60 1,2-Dibromoethane	1.63289 1.31648	1.26710	1.12342	1.07361	1.38195	1.34352	 AVRG		1.30557	14.08860
61 Tetrachloroethene	1.45873 1.12691	1.27032	1.10315	1.10424	1.26043	1.17727	 AVRG		1.21443	10.54983
63 Chlorobenzene	1.92329 1.58099	1.55808	1.37633	1.32491	1.74019	1.62951	 AVRG		1.59047	12.89110
64 Ethyl Benzene	2.52829 2.50713	2.19636	1.99081	2.04287	2.74203	2.58468	 AVRG		2.37031	12.29167

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
65 m&p-Xylene	2.03397 1.90216	1.73072	1.62765	1.60464	2.08261	1.96452	AVRG		1.84947	10.53209
66 Bromoform	1.72731 1.69194	1.33587	1.23978	1.25935	1.84099	1.75895	AVRG		1.55060	16.78588
67 Styrene	1.28854 1.42707	1.08008	0.98580	1.07792	1.50669	1.45298	AVRG		1.25987	16.76037
68 o-Xylene	2.05579 1.96004	1.65199	1.58411	1.54925	2.15320	2.04778	AVRG		1.85745	13.64588
69 1,1,2,2-Tetrachloroethane	1.56902 1.44499	1.21984	1.04037	1.09415	1.53911	1.47430	AVRG		1.34025	16.28449
70 Isopropylbenzene	2.67666 2.60520	2.24020	2.08707	2.10660	2.89007	2.74598	AVRG		2.47882	13.22251
71 N-Propylbenzene	2.72426 3.10078	2.38760	2.23371	2.20079	3.45683	3.28117	AVRG		2.76931	18.66098

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 4-Ethyltoluene	2.09388	1.57115	1.64476	1.76017	2.80244	2.66124					
	2.52802						AVRG		2.15167		23.81454
73 1,3,5-Trimethylbenzene	1.82371	1.74671	1.57090	1.63901	2.31955	2.20309					
	2.11458						AVRG		1.91679		15.32452
74 Tert-Butyl Benzene	1.85069	1.56351	1.55145	1.59537	2.47497	2.27307					
	2.18778						AVRG		1.92812		19.82836
75 1,2,4-Trimethylbenzene	1.76381	1.44064	1.36903	1.47434	2.29673	2.15469					
	2.08315						AVRG		1.79748		21.24429
76 1,3-Dichlorobenzene	1.36035	1.09637	0.97120	0.96022	1.64750	1.54727					
	1.50486						AVRG		1.29825		22.06846
77 Sec- Butylbenzene	2.72585	2.10969	2.15239	2.11701	3.23322	2.99513					
	2.89548						AVRG		2.60411		18.10801
79 Benzyl Chloride	2906	5186	11570	24138	508213	1024239					
	1669278						LINR	-0.02614	1.83888		0.99947

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 1,4-Dichlorobenzene	1.35003 1.43523	1.09476	0.98334	0.97426	1.58994	1.47812	AVRG		1.27224		19.77299
81 p-Isopropyltoluene	2.33667 2.36767	1.76441	1.71902	1.75781	2.73976	2.47976	AVRG		2.16644		19.07949
82 1,2,3-Trimethylbenzene	1.42501 1.96645	1.48448	1.37174	1.39373	2.20279	2.09065	AVRG		1.70498		21.41457
83 1,2-Dichlorobenzene	0.99299 1.34458	0.89568	0.89078	0.89832	1.51959	1.37796	AVRG		1.13141		24.04006
84 N-Butylbenzene	1.74040 2.19450	1.46558	1.34055	1.34712	2.47140	2.24296	AVRG		1.82893		25.72654
85 1,2,4-Trichlorobenzene	716 501517	1248	3236	7007	142902	319965	LINR	-0.01235	0.55797		0.99960
86 Naphthalene	1184 900895	2161	5405	13552	257210	552874	LINR	-0.02373	0.99215		0.99984

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
87 Hexachlorobutadiene	0.70457	0.60047	0.54653	0.59680	0.65693	0.67344				
	0.60781					AVRG			0.62665	8.62529
\$ 28 Hexane-d14 (S)	0.44363	0.44719	0.42724	0.42807	0.43037	0.43122				
	0.43690					AVRG			0.43494	1.80666
\$ 55 Toluene-d8 (S)	0.71345	0.73512	0.72550	0.70924	0.75609	0.75131				
	0.74703					AVRG			0.73396	2.52869
\$ 78 1,4-dichlorobenzene-d4 (S)	0.47349	0.45889	0.49067	0.49173	0.54997	0.53038				
	0.50951					AVRG			0.50066	6.34558

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Average %RSD Results.
=====
Calculated Average %RSD = 14.87370
Maximum Average %RSD = 0.000e+000
* Failed Average %RSD Test.
=====

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount
=====	=====	=====

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10339270

Lab File ID: 08902BFB.D

BFB Injection Date: 03/29/2016

Instrument ID: 10AIRD

BFB Injection Time: 07:53

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.42
75	30.00 - 66.00% of mass 95	49.53
96	5.00 - 9.00% of mass 95	7.19
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	101.27
175	4.00 - 9.00% of mass 174	8.82 (8.71)
176	93.00 - 101.00% of mass 174	98.72 (97.48)
177	5.00 - 9.00% of mass 176	6.38 (6.46)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	08903.D	03/29/2016	08:45
2	CERT	CERT	08905.D	03/29/2016	10:04
3	VP-106_84_20160218	10339270017	08915.D	03/29/2016	16:02

1,2,4-Trichlorobenzene, 1,4-Dioxane, 2-Propanol,
Tetrachloroethene, and Trichloroethene only

Data File: \\192.168.10.12\chem\10airD.i\032916.B\08903.d
Report Date: 29-Mar-2016 09:17

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 29-MAR-2016 08:45
Lab File ID: 08903.d Init. Cal. Date(s): 28-MAR-2016 28-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:13 14:44
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airD.i\032916.B\TO15_088-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.37215	0.41666	0.41666	0.010	11.95812	30.00000	Aver	
2 Propylene	0.11765	0.15106	0.15106	0.010	28.38989	30.00000	Aver	
3 Dichlorodifluoromethane	0.83894	0.84879	0.84879	0.010	1.17406	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.74204	0.76281	0.76281	0.010	2.79884	30.00000	Aver	
5 Chloromethane	0.23903	0.24965	0.24965	0.010	4.44569	30.00000	Aver	
6 Vinyl chloride	0.20767	0.24092	0.24092	0.010	16.00930	30.00000	Aver	
7 1,3-Butadiene	0.12158	0.13996	0.13996	0.010	15.11449	30.00000	Aver	
8 Bromomethane	0.29351	0.31349	0.31349	0.010	6.80761	30.00000	Aver	
9 Chloroethane	0.09734	0.11063	0.11063	0.010	13.65620	30.00000	Aver	
10 Ethanol	0.04411	0.06613	0.06613	0.005	49.93617	30.00000	Aver	(A) <-
11 Vinyl Bromide	0.28433	0.30649	0.30649	0.010	7.79401	30.00000	Aver	
12 Isopentane	0.19991	0.21370	0.21370	0.010	6.90021	30.00000	Aver	
13 Acrolein	0.05203	0.07553	0.07553	0.010	45.16396	30.00000	Aver	(AM) <-
14 Trichlorofluoromethane	0.88360	0.83862	0.83862	0.010	-5.09090	30.00000	Aver	
15 Acetone	0.35754	0.35708	0.35708	0.010	-0.13073	30.00000	Aver	(AM)
16 Isopropyl Alcohol	0.24772	0.36974	0.36974	0.010	49.25878	30.00000	Aver	(A) <-
17 Acrylonitrile	0.11988	0.16117	0.16117	0.010	34.43982	30.00000	Aver	(AM) <-
18 1,1-Dichloroethene	0.41016	0.44361	0.44361	0.010	8.15520	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.44725	0.55518	0.55518	0.010	24.13196	30.00000	Aver	(A)
20 Freon 113	0.60134	0.61781	0.61781	0.010	2.73796	30.00000	Aver	
21 Methylene chloride	0.24448	0.27672	0.27672	0.010	13.18892	30.00000	Aver	(A)
22 Allyl Chloride	0.10261	0.12134	0.12134	0.010	18.25715	30.00000	Aver	
23 Carbon Disulfide	0.74485	0.83799	0.83799	0.010	12.50399	30.00000	Aver	
24 trans-1,2-dichloroethene	0.25796	0.29284	0.29284	0.010	13.52097	30.00000	Aver	
25 Methyl Tert Butyl Ether	0.70200	0.74718	0.74718	0.010	6.43576	30.00000	Aver	(A)
26 Vinyl Acetate	0.49746	0.66895	0.66895	0.010	34.47170	30.00000	Aver	<-
27 1,1-Dichloroethane	0.45818	0.52065	0.52065	0.010	13.63322	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.43494	0.48675	0.48675	0.010	11.91034	30.00000	Aver	
29 Methyl Ethyl Ketone	0.10951	0.13133	0.13133	0.010	19.93331	30.00000	Aver	(A)
30 n-Hexane	0.43801	0.52872	0.52872	0.010	20.70963	30.00000	Aver	
31 Di-isopropyl Ether	0.60703	0.72528	0.72528	0.010	19.47974	30.00000	Aver	(A)
32 Ethyl Acetate	0.45260	0.54517	0.54517	0.010	20.45267	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.27361	0.31430	0.31430	0.010	14.86927	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.70736	0.80149	0.80149	0.010	13.30746	30.00000	Aver	(A)
35 Chloroform	0.69342	0.72185	0.72185	0.010	4.09999	30.00000	Aver	
36 Tetrahydrofuran	0.18851	0.26033	0.26033	0.010	38.09741	30.00000	Aver	<-
37 1,1,1-Trichloroethane	0.71483	0.74996	0.74996	0.010	4.91401	30.00000	Aver	
38 1,2-Dichloroethane	0.47721	0.50855	0.50855	0.010	6.56562	30.00000	Aver	
39 Benzene	10.00000	11.23012	0.91762	0.010	12.30123	30.00000	Line	
40 Carbon tetrachloride	0.63096	0.77928	0.77928	0.010	23.50657	30.00000	Aver	
41 Cyclohexane	0.32381	0.34769	0.34769	0.010	7.37399	30.00000	Aver	
42 Tert Amyl Methyl Ether	0.75736	0.79548	0.79548	0.010	5.03403	30.00000	Aver	(A)

Data File: \\192.168.10.12\chem\10airD.i\032916.B\08903.d
Report Date: 29-Mar-2016 09:17

QC Flag Legend

- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airD.i\032916.B\08903.d
 Report Date: 29-Mar-2016 09:17

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 29-MAR-2016 08:45
 Lab File ID: 08903.d Init. Cal. Date(s): 28-MAR-2016 28-MAR-2016
 Analysis Type: AIR Init. Cal. Times: 12:13 14:44
 Lab Sample ID: ccv Quant Type: ISTD
 Method: \\192.168.10.12\chem\10airD.i\032916.B\TO15_088-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	0.88684	1.03633	1.03633	0.010	16.85672	30.00000	Aver	
45 Heptane	0.31128	0.39373	0.39373	0.010	26.48776	30.00000	Aver	
46 1,2-Dichloropropane	0.25360	0.32027	0.32027	0.010	26.28907	30.00000	Aver	
47 Trichloroethene	0.37913	0.42556	0.42556	0.010	12.24710	30.00000	Aver	
48 Methyl methacrylate	0.21334	0.29034	0.29034	0.100	36.09163	30.00000	Aver	<-
49 1,4-Dioxane	10.00000	14.04016	0.14650	0.010	40.40164	30.00000	Quad	<-
50 Bromodichloromethane	0.69790	0.78862	0.78862	0.010	12.99990	30.00000	Aver	
51 Methylcyclohexane	0.14556	0.17702	0.17702	0.010	21.61407	30.00000	Aver	
52 Methyl Isobutyl Ketone	0.43593	0.55418	0.55418	0.010	27.12502	30.00000	Aver	(A)
53 cis-1,3-Dichloropropene	0.44032	0.54397	0.54397	0.010	23.53939	30.00000	Aver	
54 trans-1,3-Dichloropropene	0.39354	0.53936	0.53936	0.010	37.05206	30.00000	Aver	<-
\$ 55 Toluene-d8 (S)	0.73396	0.78607	0.78607	0.010	7.09995	30.00000	Aver	
56 Toluene	0.89352	1.04575	1.04575	0.010	17.03689	30.00000	Aver	
57 1,1,2-Trichloroethane	0.34565	0.38645	0.38645	0.010	11.80387	30.00000	Aver	
58 Methyl Butyl Ketone	0.87887	1.13532	1.13532	0.010	29.17964	30.00000	Aver	(A)
59 Dibromochloromethane	1.64288	1.86325	1.86325	0.010	13.41409	30.00000	Aver	
60 1,2-Dibromoethane	1.30557	1.49698	1.49698	0.010	14.66112	30.00000	Aver	
61 Tetrachloroethene	1.21443	1.24446	1.24446	0.010	2.47217	30.00000	Aver	
63 Chlorobenzene	1.59047	1.78029	1.78029	0.010	11.93478	30.00000	Aver	
64 Ethyl Benzene	2.37031	2.88708	2.88708	0.010	21.80175	30.00000	Aver	
65 m&p-Xylene	1.84947	2.14184	2.14184	0.010	15.80848	30.00000	Aver	
66 Bromoform	1.55060	1.80840	1.80840	0.010	16.62603	30.00000	Aver	
67 Styrene	1.25987	1.56097	1.56097	0.010	23.89924	30.00000	Aver	
68 o-Xylene	1.85745	2.17418	2.17418	0.010	17.05185	30.00000	Aver	
69 1,1,2,2-Tetrachloroethane	1.34025	1.66998	1.66998	0.010	24.60202	30.00000	Aver	
70 Isopropylbenzene	2.47882	2.92603	2.92603	0.010	18.04104	30.00000	Aver	
71 N-Propylbenzene	2.76931	3.57236	3.57236	0.010	28.99849	30.00000	Aver	
72 4-Ethyltoluene	2.15167	2.82809	2.82809	0.010	31.43720	30.00000	Aver	<-
73 1,3,5-Trimethylbenzene	1.91679	2.32912	2.32912	0.010	21.51106	30.00000	Aver	
74 Tert-Butyl Benzene	1.92812	2.34923	2.34923	0.010	21.84066	30.00000	Aver	
75 1,2,4-Trimethylbenzene	1.79748	2.25491	2.25491	0.010	25.44815	30.00000	Aver	
76 1,3-Dichlorobenzene	1.29825	1.59278	1.59278	0.010	22.68664	30.00000	Aver	
77 Sec- Butylbenzene	2.60411	3.15303	3.15303	0.010	21.07903	30.00000	Aver	
\$ 78 1,4-dichlorobenzene-d4 (S)	0.50066	0.48683	0.48683	0.010	-2.76298	30.00000	Aver	(M)
79 Benzyl Chloride	10.00000	10.20321	1.85011	0.010	2.03213	30.00000	Line	
80 1,4-Dichlorobenzene	1.27224	1.48600	1.48600	0.010	16.80190	30.00000	Aver	
81 p-Isopropyltoluene	2.16644	2.71408	2.71408	0.010	25.27839	30.00000	Aver	
82 1,2,3-Trimethylbenzene	1.70498	2.11938	2.11938	0.010	24.30565	30.00000	Aver	
83 1,2-Dichlorobenzene	1.13141	1.40099	1.40099	0.010	23.82683	30.00000	Aver	
84 N-Butylbenzene	1.82893	2.31031	2.31031	0.010	26.32023	30.00000	Aver	
85 1,2,4-Trichlorobenzene	10.00000	10.10799	0.55165	0.010	1.07990	30.00000	Line	
86 Naphthalene	10.00000	9.59884	0.92862	0.010	-4.01163	30.00000	Line	

Data File: \\192.168.10.12\chem\10airD.i\032916.B\08903.d
Report Date: 29-Mar-2016 09:17

QC Flag Legend

- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airD.i\032916.B\08903.d
Report Date: 29-Mar-2016 09:17

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 29-MAR-2016 08:45
Lab File ID: 08903.d Init. Cal. Date(s): 28-MAR-2016 28-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:13 14:44
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airD.i\032916.B\TO15_088-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
87 Hexachlorobutadiene	0.62665	0.69105	0.69105	0.010	10.27666	30.00000	Aver	

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift = 17.69995	
Maximun Average %D/Drift = 0.000e+000	
* Failed Average %D/Drift Test.	

DATA USABILITY SUMMARY REPORT
FEBRUARY 2016 AIR SAMPLES
PROJECT: LMC GREAT NECK
NEW YORK
DATE SAMPLES COLLECTED: FEBRUARY 28, 2016
LAB REPORT No. 10340119

1.0 INTRODUCTION

Twenty-three air samples including two field duplicate sample pairs were collected by Tetra Tech, Inc., at the Lockheed Martin Great Neck site on February 28, 2016. The samples were sent to Pace Analytical Services, Inc. in Minneapolis, Minnesota. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation was conducted using USEPA Region II Standard Operating Procedure (SOP) HW-31, June 2014, Revision 6.

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- Data Completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- Initial/Continuing Calibrations
- Laboratory Method Blank Results
- * ● Internal Standard Results
- Laboratory Control Sample Results
- * ● Laboratory Duplicate Precision
- Field Duplicate Precision
- * ● Compound Identification/Quantitation
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 10340119

Sample ID	Lab ID	Date Collected	Test Requested
LIJ-WP-7_10_20160228	10340119019	2/28/2016	VOCs
LIJ-WP-7_20_20160228	10340119020	2/28/2016	VOCs
LIJ-WP-7_30_20160228	10340119021	2/28/2016	VOCs
LIJ-WP-7_40_20160228	10340119022	2/28/2016	VOCs
LIJ-WP-7_5_20160228	10340119017	2/28/2016	VOCs
LIJ-WP-7_5_20160228DUP	10340119018	2/28/2016	VOCs
LIJ-WP-7_50_20160228	10340119023	2/28/2016	VOCs
VP-102_19.5_20160228	10340119003	2/28/2016	VOCs
VP-102_19.5_20160228DUP	10340119004	2/28/2016	VOCs
VP-102_4.5_20160228	10340119001	2/28/2016	VOCs
VP-102_51.5_20160228	10340119005	2/28/2016	VOCs
VP-102_57.5_20160228	10340119006	2/28/2016	VOCs
VP-102_61.5_20160228	10340119007	2/28/2016	VOCs
VP-102_73.5_20160228	10340119008	2/28/2016	VOCs
VP-102_8.5_20160228	10340119002	2/28/2016	VOCs
VP-103_10_20160228	10340119010	2/28/2016	VOCs
VP-103_20_20160228	10340119011	2/28/2016	VOCs
VP-103_30_20160228	10340119012	2/28/2016	VOCs
VP-103_40_20160228	10340119013	2/28/2016	VOCs
VP-103_5_20160228	10340119009	2/28/2016	VOCs
VP-103_50_20160228	10340119014	2/28/2016	VOCs
VP-103_61.5_20160228	10340119015	2/28/2016	VOCs
VP-103_74.5_20160228	10340119016	2/28/2016	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

The data validator discovered that the m/z ion used to identify pentafluoroethyl chloride (chloropentafluoroethane) was incorrect (m/z 65 instead of m/z 85) affecting all samples in the data package. The laboratory was contacted confirmed the error. The data package and electronic deliverable were revised by the laboratory.

Pentafluoroethyl chloride was calibrated based on a single point calibration. The daily calibrations for this compound were also compromised because the reviewer discovered that the incorrect quantitation ion was selected for one analytical sequence and the incorrect retention time was

selected for the second analytical sequence of calibration. The results for pentafluoroethyl chloride were rejected (UR) in all samples.

The remaining data package deliverables and the format requirements were met.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- All project samples were properly preserved and analyzed within the required hold time for VOC analyses.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- The continuing calibration performed on 3/17/2016 @ 09:49 on instrument 10AIR7 had Percent Differences (%Ds) which exceeded the 30% quality control limit for 1-ethyl-4-methylbenzene and 1,3,5-trimethylbenzene. Samples LIJ-WP-7_10_20160228, LIJ-WP-7_20_20160228, LIJ-WP-7_40_20160228, and LIJ-WP-7_50_20160228 were affected. The non-detected results were reported for these compounds in the affected samples were qualified as estimated, (UJ).
- The initial calibration performed on instrument 10AIR7 on 3/15/2016 only shows one point of calibration (Level 6) for pentafluoroethyl chloride versus the standard six point calibration. This calibration was used for all samples. Pentafluoroethyl chloride in both the initial calibration verification standard on 3/15/16 and the daily continuing calibration standard on 3/17/16 was not detected or reported by the laboratory. All nondetected results were qualified as rejected, (UR).
- All initial and continuing calibration Relative Percent Standard Deviations (RSDSs) and/or Relative Response Factors (RRFs) used in the validation of the data were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set. However, as stated by the laboratory, detected results reported for the common laboratory contaminant, methylene chloride,

should be considered with high bias because the organic solvent vapor extraction laboratory is in the same building. The detected methylene chloride results reported for the samples in this DUSR were qualified as biased high, estimated, (J+).

Internal Standards Area Performance:

- The internal standard area counts and retention times fell within control limits for the project samples received and reviewed.

Laboratory Control Spike (LCS) Results:

- The Percent Recovery (%R) for and hexachlorobutadiene (hexachloro-1,3-butadiene) was above the upper quality control limits in the LCS associated with preparation batch #405094 (LCS 2210724). No recovery was reported for pentafluoroethyl chloride. The non-detected results reported for pentafluoroethyl chloride in the affected samples were qualified as rejected, (UR). No action was necessary for hexachlorobutadiene because this compound was not detected in the affected samples.
- The %Rs for 1,2,4-trichlorobenzene and hexachlorobutadiene were above the upper quality control limits in the LCS associated with preparation batch #405151 (LCS 2211184). In addition, the %R for pentafluoroethyl chloride was below 10%. No action was necessary for 1,2,4-trichlorobenzene and hexachlorobutadiene because these compounds were not detected in the affected samples. The non-detected results reported for pentafluoroethyl chloride in the affected samples were qualified as rejected, (UR).
- The remaining LCS results were within the quality control limits.

Laboratory Duplicate Results:

- A laboratory duplicate analysis was performed on sample VP-102_57.5_20160228. All Relative Percent Differences (RPDs) for detected results were below the 25% quality control criterion except for trichloroethene and tetrachloroethene. The detected results reported for these compounds in the parent sample were qualified as estimated, (J).

Field Duplicate Precision: Field duplicates are collected to provide information on sampling precision.

- LIJ-WP-7_5_20160228 was collected as a field duplicate sample of LIJ-WP-7_5_20160228DUP. The Relative Percent Differences (RPDs) for acetone and isopropanol exceeded the 50% quality control limit. The detected results reported for these compounds in the field duplicate pair were qualified as estimated, (J), due to field duplicate imprecision.
- VP-102_19.5_20160228 was collected as a field duplicate sample of VP-102_19.5_20160228DUP. The RPDs for acetone and chlorodifluoromethane exceeded the 50% quality control limit. In addition, the differences between the detected and/or non-detected results for 1,2,4-trimethylbenzene, hexane, and methylene chloride results exceeded 2X the Reporting Limit (RL). The detected and non-detected results reported for

these compounds in the field duplicate pair were qualified as estimated, (J) and (UJ), respectively.

- The remaining results associated with these two samples fell within quality control limits.

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Detection Limits: Non-detected results were reported to the RL. All samples were initially analyzed at dilutions ranging from 1.55X to 2.45X, resulting in elevated reporting limits. Several samples were further diluted to report results for cis-1,2-trichloroethene, tetrachloroethene, and/or trichloroethene.

Additional Comments: All sample canisters contained an initial vacuum of approximately -29 to -30 psig and finished at -6 to -8 psig.

4.0 CONCLUSIONS

The results for pentafluoroethyl chloride in all samples were not considered as usable because this compound was not recovered in the associated LCS analysis and was not detected in the calibration standards.

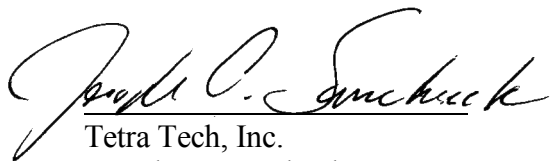
The detected results for methylene chloride should be considered a probable laboratory contaminant because of the following:

- The samples were analyzed in the same building as the organic solvent vapor extraction laboratory.

With the exception of the aforementioned detected methylene chloride results and non-detected pentafluoroethyl chloride results, based on the outcome of data validation and as summarized in the DUSR, the data quality is acceptable with the qualifiers noted in this report.



Tetra Tech, Inc.
Michelle L. Allen
Chemist/Data Validator

A handwritten signature in black ink, reading "Joseph A. Samchuck". The signature is fluid and cursive, with the first name "Joseph" and last name "Samchuck" clearly legible.

Tetra Tech, Inc.

Joseph A. Samchuck

Data Validation Manager

June 16, 2016

Attachments:

Appendix A – Qualified Analytical Results

Appendix B – Results as Reported by the Laboratory

Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ IDL for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	LIJ-WP-7_10_20160228			LIJ-WP-7_10_20160228RE			LIJ-WP-7_20_20160228			LIJ-WP-7_30_20160228		
	LAB_ID	10340119019			10340119019			10340119020			10340119021		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U					1.9	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U					1.2	U		1.2	U	
1,1,2-TRICHLOROETHANE					0.92	U		0.96	U		0.96	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.9						130			1430		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.3	U					5.6	U		5.6	U	
1,1-DICHLOROETHANE		1.4	U					1.4	U		1.4	U	
1,1-DICHLOROETHENE		1.4	U					1.4	U		18.8		
1,1-DIFLUOROETHANE		7.8						22.8			46.8		
1,2,4-TRICHLOROBENZENE		127	U					132	U		132	U	
1,2,4-TRIMETHYLBENZENE		1.7	U					1.7	U		1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		8.2	U					8.6	U		8.6	U	
1,2-DIBROMOETHANE		2.6	U					2.7	U		2.7	U	
1,2-DICHLOROBENZENE		5.1	U					5.3	U		5.3	U	
1,2-DICHLOROETHANE		0.69	U					0.72	U		0.72	U	
1,2-DICHLOROPROPANE		1.6	U					1.6	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.4	U					2.5	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		1.7	UJ	C				1.7	UJ	C	1.7	U	
1,3-BUTADIENE		0.76	U					0.79	U		0.86		
1,3-DICHLOROBENZENE		4.4	U					4.6	U		4.6	U	
1,4-DICHLOROBENZENE		8.8	U					9.2	U		9.2	U	
1,4-DIOXANE		6.1	U					6.4	U		6.4	U	
1-ETHYL-4-METHYL BENZENE		1.7	UJ	C				1.8	UJ	C	1.8	U	
2-BUTANONE		5	U					5.2	U		5.2	U	
2-HEXANONE		7	U					7.3	U		7.3	U	
3-CHLOROPROPENE		2.7	U					2.8	U		2.8	U	
4-METHYL-2-PENTANONE		7	U					7.3	U		7.3	U	
ACETONE		46						4.2	U		4.2	U	
BENZENE		0.55	U					0.78			18.2		
BROMODICHLOROMETHANE		2.3	U					2.4	U		2.4	U	
BROMOFORM		89.5	U					93.2	U		93.2	U	
BROMOMETHANE		1.3	U					1.4	U		1.4	U	
CARBON DISULFIDE		1.1	U					1.1	U		1.1	U	
CARBON TETRACHLORIDE		1.1	U					1.1	U		8.8		
CHLOROBENZENE		1.6	U					1.6	U		1.6	U	
CHLORODIBROMOMETHANE		2.9	U					3	U		3	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	LIJ-WP-7_40_20160228			LIJ-WP-7_5_20160228			LIJ-WP-7_5_20160228DUP			LIJ-WP-7_5_20160228DUPRE		
	LAB_ID	10340119022			10340119017			10340119018			10340119018		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF							LIJ-WP-7_5_20160228			LIJ-WP-7_5_20160228		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U		1.9	U		1.9	U				
1,1,2,2-TETRACHLOROETHANE		1.2	U		1.2	U		1.2	U				
1,1,2-TRICHLOROETHANE		9.3			0.96	U		0.92	U				
1,1,2-TRICHLOROTRIFLUOROETHANE		28.3			2.8	U		2.7	U				
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6	U		5.6	U		5.3	U				
1,1-DICHLOROETHANE		1.4	U		1.4	U		1.4	U				
1,1-DICHLOROETHENE		1.4	U		1.4	U		1.4	U				
1,1-DIFLUOROETHANE		13.9			2.4	U		2.3	U				
1,2,4-TRICHLOROBENZENE		132	U								127	U	
1,2,4-TRIMETHYLBENZENE		1.7	U		1.7	U		2.1					
1,2-DIBROMO-3-CHLOROPROPANE		8.6	U		8.6	U		8.2	U				
1,2-DIBROMOETHANE		2.7	U		2.7	U		2.6	U				
1,2-DICHLOROBENZENE		5.3	U		5.3	U		5.1	U				
1,2-DICHLOROETHANE		0.72	U		0.72	U		0.69	U				
1,2-DICHLOROPROPANE		1.6	U		1.6	U		1.6	U				
1,2-DICHLOROTETRAFLUOROETHANE		2.5	U		2.5	U		2.4	U				
1,3,5-TRIMETHYLBENZENE		1.7	UJ	C	1.7	U		1.7	U				
1,3-BUTADIENE		0.79	U		0.79	U		0.76	U				
1,3-DICHLOROBENZENE		4.6	U		2.1	U		2	U				
1,4-DICHLOROBENZENE		9.2	U		2.1	U		2	U				
1,4-DIOXANE		6.4	U		6.4	U		6.1	U				
1-ETHYL-4-METHYL BENZENE		1.8	UJ	C	1.8	U		1.7	U				
2-BUTANONE		5.2	U		5.2	U		8.3					
2-HEXANONE		7.3	U		7.3	U		7	U				
3-CHLOROPROPENE		2.8	U		2.8	U		2.7	U				
4-METHYL-2-PENTANONE		7.3	U		7.3	U		7	U				
ACETONE		12.3			13.7	J	G	27.5	J	G			
BENZENE		2.4			1.1			1.3					
BROMODICHLOROMETHANE		2.4	U		2.4	U		2.3	U				
BROMOFORM		93.2	U		9.2	U		8.8	U				
BROMOMETHANE		1.4	U		1.4	U		1.3	U				
CARBON DISULFIDE		1.1	U		1.1	U		1.1	U				
CARBON TETRACHLORIDE		2.2			1.1	U		1.1	U				
CHLOROBENZENE		1.6	U		1.6	U		1.6	U				
CHLORODIBROMOMETHANE		3	U		3	U		2.9	U				

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	LIJ-WP-7_5_20160228RE			LIJ-WP-7_50_20160228			VP-102_19.5_20160228			VP-102_19.5_20160228DUP		
	LAB_ID	10340119017			10340119023			10340119003			10340119004		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF										VP-102_19.5_20160228		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					2			1.9 U			1.9 U		
1,1,2,2-TETRACHLOROETHANE					1.2 U			1.2 U			1.2 U		
1,1,2-TRICHLOROETHANE					0.96 U			0.92 U			0.96 U		
1,1,2-TRICHLOROTRIFLUOROETHANE					19.6			2.7 U			2.8 U		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					5.6 U			5.3 U			5.6 U		
1,1-DICHLOROETHANE					1.4 U			1.4 U			1.4 U		
1,1-DICHLOROETHENE					1.4 U			1.4 U			1.4 U		
1,1-DIFLUOROETHANE					9.3			2.3 U			2.4 U		
1,2,4-TRICHLOROBENZENE		132 U			132 U			170 U					
1,2,4-TRIMETHYLBENZENE					1.7 U			1.7 UJ	G		7.5 J	G	
1,2-DIBROMO-3-CHLOROPROPANE					8.6 U			8.2 U			8.6 U		
1,2-DIBROMOETHANE					2.7 U			2.6 U			2.7 U		
1,2-DICHLOROBENZENE					5.3 U			5.1 U			5.3 U		
1,2-DICHLOROETHANE					0.72 U			0.69 U			0.72 U		
1,2-DICHLOROPROPANE					1.6 U			1.6 U			1.6 U		
1,2-DICHLOROTETRAFLUOROETHANE					2.5 U			2.4 U			2.5 U		
1,3,5-TRIMETHYLBENZENE					1.7 UJ	C		1.7 U			1.8		
1,3-BUTADIENE					0.79 U			0.76 U			0.79 U		
1,3-DICHLOROBENZENE					4.6 U			2 U			2.1 U		
1,4-DICHLOROBENZENE					9.2 U			2 U			2.1 U		
1,4-DIOXANE					6.4 U			6.1 U			6.4 U		
1-ETHYL-4-METHYL BENZENE					1.8 UJ	C		1.7 U			2.1		
2-BUTANONE					5.2 U			5 U			5.2 U		
2-HEXANONE					7.3 U			7 U			7.3 U		
3-CHLOROPROPENE					2.8 U			2.7 U			2.8 U		
4-METHYL-2-PENTANONE					7.3 U			7 U			7.3 U		
ACETONE					4.2 U			43.4 J	G		8.2 J	G	
BENZENE					0.57 U			0.95			0.57 U		
BROMODICHLOROMETHANE					21			2.3 U			2.4 U		
BROMOFORM					93.2 U			8.8 U			9.2 U		
BROMOMETHANE					1.4 U			1.3 U			1.4 U		
CARBON DISULFIDE					1.1 U			1.1 U			1.1 U		
CARBON TETRACHLORIDE					1.7			1.1 U			1.1 U		
CHLOROBENZENE					1.6 U			1.6 U			1.6 U		
CHLORODIBROMOMETHANE					3 U			2.9 U			3 U		

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-102_19.5_20160228DUPRE			VP-102_4.5_20160228			VP-102_4.5_20160228RE			VP-102_51.5_20160228		
	LAB_ID	10340119004			10340119001			10340119001			10340119005		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF	VP-102_19.5_20160228											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.9 U						1.9 U		
1,1,2,2-TETRACHLOROETHANE					1.2 U						1.2 U		
1,1,2-TRICHLOROETHANE					0.96 U						0.92 U		
1,1,2-TRICHLOROTRIFLUOROETHANE					2.8 U						15.3		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					5.6 U						5.3 U		
1,1-DICHLOROETHANE					1.4 U						1.4 U		
1,1-DICHLOROETHENE					1.4 U						1.4 U		
1,1-DIFLUOROETHANE					2.4 U						2.3 U		
1,2,4-TRICHLOROBENZENE		132 U						132 U					
1,2,4-TRIMETHYLBENZENE					1.7 U						1.7 U		
1,2-DIBROMO-3-CHLOROPROPANE					8.6 U						8.2 U		
1,2-DIBROMOETHANE					2.7 U						2.6 U		
1,2-DICHLOROBENZENE					5.3 U						5.1 U		
1,2-DICHLOROETHANE					0.72 U						0.69 U		
1,2-DICHLOROPROPANE					1.6 U						1.6 U		
1,2-DICHLOROTETRAFLUOROETHANE					2.5 U						2.4 U		
1,3,5-TRIMETHYLBENZENE					1.7 U						1.7 U		
1,3-BUTADIENE					0.79 U						0.76 U		
1,3-DICHLOROBENZENE					2.1 U						2 U		
1,4-DICHLOROBENZENE					2.1 U						2 U		
1,4-DIOXANE					6.4 U						6.1 U		
1-ETHYL-4-METHYL BENZENE					1.8 U						1.7 U		
2-BUTANONE					5.2 U						5 U		
2-HEXANONE					7.3 U						7 U		
3-CHLOROPROPENE					2.8 U						2.7 U		
4-METHYL-2-PENTANONE					7.3 U						7 U		
ACETONE					43						15.7		
BENZENE					1.3						0.55 U		
BROMODICHLOROMETHANE					2.4 U						2.3 U		
BROMOFORM					9.2 U						8.8 U		
BROMOMETHANE					1.4 U						1.3 U		
CARBON DISULFIDE					1.1 U						1.1 U		
CARBON TETRACHLORIDE					1.1 U						1.1 U		
CHLOROBENZENE					1.6 U						1.6 U		
CHLORODIBROMOMETHANE					3 U						2.9 U		

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-102_51.5_20160228RE			VP-102_57.5_20160228			VP-102_57.5_20160228RE			VP-102_61.5_20160228		
	LAB_ID	10340119005			10340119006			10340119006			10340119007		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.7	U					1.9	U	
1,1,2,2-TETRACHLOROETHANE					1.1	U					1.2	U	
1,1,2-TRICHLOROETHANE					0.85	U					0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE					13.6						9.6		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					4.9	U					5.3	U	
1,1-DICHLOROETHANE					1.3	U					1.4	U	
1,1-DICHLOROETHENE					1.3	U					1.4	U	
1,1-DIFLUOROETHANE					2.1	U					2.3	U	
1,2,4-TRICHLOROBENZENE		127	U					117	U				
1,2,4-TRIMETHYLBENZENE					1.5	U					2.1		
1,2-DIBROMO-3-CHLOROPROPANE					7.6	U					8.2	U	
1,2-DIBROMOETHANE					2.4	U					2.6	U	
1,2-DICHLOROBENZENE					4.7	U					5.1	U	
1,2-DICHLOROETHANE					0.64	U					0.69	U	
1,2-DICHLOROPROPANE					1.5	U					1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE					2.2	U					2.4	U	
1,3,5-TRIMETHYLBENZENE					1.5	U					1.7	U	
1,3-BUTADIENE					0.7	U					0.76	U	
1,3-DICHLOROBENZENE					1.9	U					2	U	
1,4-DICHLOROBENZENE					1.9	U					2	U	
1,4-DIOXANE					5.7	U					6.1	U	
1-ETHYL-4-METHYL BENZENE					1.6	U					1.7	U	
2-BUTANONE					4.6	U					5	U	
2-HEXANONE					6.5	U					7	U	
3-CHLOROPROPENE					2.5	U					2.7	U	
4-METHYL-2-PENTANONE					6.5	U					7	U	
ACETONE					7						75.9		
BENZENE					0.5	U					0.55	U	
BROMODICHLOROMETHANE					2.1	U					2.3	U	
BROMOFORM					8.1	U					8.8	U	
BROMOMETHANE					1.2	U					1.3	U	
CARBON DISULFIDE					0.98	U					1.1	U	
CARBON TETRACHLORIDE					0.99	U					1.1	U	
CHLOROBENZENE					1.5	U					1.6	U	
CHLORODIBROMOMETHANE					2.7	U					2.9	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-102_61.5_20160228RE			VP-102_73.5_20160228			VP-102_73.5_20160228RE			VP-102_8.5_20160228		
	LAB_ID	10340119007			10340119008			10340119008			10340119002		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE					1.8 U						2 U		
1,1,2,2-TETRACHLOROETHANE					1.1 U						1.3 U		
1,1,2-TRICHLOROETHANE					0.89 U						1 U		
1,1,2-TRICHLOROTRIFLUOROETHANE					11.3						2.9 U		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE					5.1 U						5.8 U		
1,1-DICHLOROETHANE					1.3 U						1.5 U		
1,1-DICHLOROETHENE					1.3 U						1.5 U		
1,1-DIFLUOROETHANE					2.2 U						2.5 U		
1,2,4-TRICHLOROBENZENE		127 U						121 U			185 U		
1,2,4-TRIMETHYLBENZENE					1.6 U						1.8 U		
1,2-DIBROMO-3-CHLOROPROPANE					7.9 U						9 U		
1,2-DIBROMOETHANE					2.5 U						2.9 U		
1,2-DICHLOROBENZENE					4.9 U						5.6 U		
1,2-DICHLOROETHANE					0.66 U						0.75 U		
1,2-DICHLOROPROPANE					1.5 U						1.7 U		
1,2-DICHLOROTETRAFLUOROETHANE					2.3 U						2.6 U		
1,3,5-TRIMETHYLBENZENE					1.6 U						1.8 U		
1,3-BUTADIENE					0.72 U						0.82 U		
1,3-DICHLOROBENZENE					2 U						2.2 U		
1,4-DICHLOROBENZENE					2 U						2.2 U		
1,4-DIOXANE					5.9 U						6.7 U		
1-ETHYL-4-METHYL BENZENE					1.6 U						1.8 U		
2-BUTANONE					4.8 U						5.5 U		
2-HEXANONE					6.7 U						7.6 U		
3-CHLOROPROPENE					2.6 U						2.9 U		
4-METHYL-2-PENTANONE					6.7 U						7.6 U		
ACETONE					4.4						18.9		
BENZENE					0.52 U						1.3		
BROMODICHLOROMETHANE					2.2 U						2.5 U		
BROMOFORM					8.5 U						9.6 U		
BROMOMETHANE					1.3 U						1.4 U		
CARBON DISULFIDE					1 U						1.2 U		
CARBON TETRACHLORIDE					1 U						1.2		
CHLOROBENZENE					1.5 U						1.7 U		
CHLORODIBROMOMETHANE					2.8 U						3.2 U		

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-103_10_20160228			VP-103_10_20160228RE			VP-103_20_20160228			VP-103_30_20160228		
	LAB_ID	10340119010			10340119010			10340119011			10340119012		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U					1.9	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U					1.2	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.92	U					0.96	U		0.96	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.7	U					2.9			9.7		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.3	U					5.6	U		5.6	U	
1,1-DICHLOROETHANE		1.4	U					1.4	U		1.4	U	
1,1-DICHLOROETHENE		1.4	U					1.4	U		1.4	U	
1,1-DIFLUOROETHANE		2.3	U					2.4	U		2.4	U	
1,2,4-TRICHLOROBENZENE					127	U		177	U		177	U	
1,2,4-TRIMETHYLBENZENE		1.7	U					1.7	U		1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		8.2	U					8.6	U		8.6	U	
1,2-DIBROMOETHANE		2.6	U					2.7	U		2.7	U	
1,2-DICHLOROBENZENE		5.1	U					5.3	U		5.3	U	
1,2-DICHLOROETHANE		0.69	U					0.72	U		0.72	U	
1,2-DICHLOROPROPANE		1.6	U					1.6	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.4	U					2.5	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		1.7	U					1.7	U		1.7	U	
1,3-BUTADIENE		0.76	U					0.79	U		0.79	U	
1,3-DICHLOROBENZENE		2	U					2.1	U		2.1	U	
1,4-DICHLOROBENZENE		2	U					2.1	U		2.1	U	
1,4-DIOXANE		6.1	U					6.4	U		6.4	U	
1-ETHYL-4-METHYL BENZENE		1.7	U					1.8	U		1.8	U	
2-BUTANONE		5	U					5.2	U		5.2	U	
2-HEXANONE		7	U					7.3	U		7.3	U	
3-CHLOROPROPENE		2.7	U					2.8	U		2.8	U	
4-METHYL-2-PENTANONE		7	U					7.3	U		7.3	U	
ACETONE		11.3						25.5			23.9		
BENZENE		0.55	U					1.4			0.9		
BROMODICHLOROMETHANE		2.3	U					2.4	U		2.4	U	
BROMOFORM		8.8	U					9.2	U		9.2	U	
BROMOMETHANE		1.3	U					1.4	U		1.4	U	
CARBON DISULFIDE		1.1	U					1.1	U		2.7		
CARBON TETRACHLORIDE		1.1	U					3.4			7.3		
CHLOROBENZENE		1.6	U					1.6	U		1.6	U	
CHLORODIBROMOMETHANE		2.9	U					3	U		3	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-103_40_20160228			VP-103_5_20160228			VP-103_50_20160228			VP-103_61.5_20160228		
	LAB_ID	10340119013			10340119009			10340119014			10340119015		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U		1.9	U		1.9	U		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U		1.2	U		1.2	U		1.2	U	
1,1,2-TRICHLOROETHANE		0.96	U		0.92	U		0.92	U		0.96	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		9.9			2.7	U		5.4			13.4		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6	U		5.3	U		5.3	U		5.6	U	
1,1-DICHLOROETHANE		1.4	U		1.4	U		1.4	U		1.4	U	
1,1-DICHLOROETHENE		1.4	U		1.4	U		1.4	U		1.4	U	
1,1-DIFLUOROETHANE		2.4	U		2.3	U		2.3	U		2.4	U	
1,2,4-TRICHLOROBENZENE		177	U		170	U		170	U		177	U	
1,2,4-TRIMETHYLBENZENE		1.7	U		1.7	U		1.7	U		1.7	U	
1,2-DIBROMO-3-CHLOROPROPANE		8.6	U		8.2	U		8.2	U		8.6	U	
1,2-DIBROMOETHANE		2.7	U		2.6	U		2.6	U		2.7	U	
1,2-DICHLOROBENZENE		5.3	U		5.1	U		5.1	U		5.3	U	
1,2-DICHLOROETHANE		0.72	U		0.69	U		0.69	U		0.72	U	
1,2-DICHLOROPROPANE		1.6	U		1.6	U		1.6	U		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.5	U		2.4	U		2.4	U		2.5	U	
1,3,5-TRIMETHYLBENZENE		1.7	U		1.7	U		1.7	U		1.7	U	
1,3-BUTADIENE		0.79	U		0.76	U		0.76	U		0.79	U	
1,3-DICHLOROBENZENE		2.1	U		2	U		2	U		2.1	U	
1,4-DICHLOROBENZENE		2.1	U		2	U		2	U		2.1	U	
1,4-DIOXANE		6.4	U		6.1	U		6.1	U		6.4	U	
1-ETHYL-4-METHYL BENZENE		1.8	U		1.7	U		1.7	U		1.8	U	
2-BUTANONE		5.2	U		5	U		5	U		5.2	U	
2-HEXANONE		7.3	U		7	U		7	U		7.3	U	
3-CHLOROPROPENE		2.8	U		2.7	U		2.7	U		2.8	U	
4-METHYL-2-PENTANONE		7.3	U		7	U		7	U		7.3	U	
ACETONE		23.1			52.1			25.7			13.4		
BENZENE		0.81			1.2			0.9			0.57	U	
BROMODICHLOROMETHANE		2.4	U		2.3	U		2.3	U		2.4	U	
BROMOFORM		9.2	U		8.8	U		8.8	U		9.2	U	
BROMOMETHANE		1.4	U		1.3	U		1.3	U		1.4	U	
CARBON DISULFIDE		1.1	U		1.1	U		1.1	U		1.1	U	
CARBON TETRACHLORIDE		7.3			1.1	U		2			1.1	U	
CHLOROBENZENE		1.6	U		1.6	U		1.6	U		1.6	U	
CHLORODIBROMOMETHANE		3	U		2.9	U		2.9	U		3	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-103_74.5_20160228			VP-103_74.5_20160228RE		
	LAB_ID	10340119016			10340119016		
	SAMP_DATE	2/28/2016			2/28/2016		
	QC_TYPE	NM			NM		
	UNITS	UG/M3			UG/M3		
	PCT_SOLIDS						
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U				
1,1,2,2-TETRACHLOROETHANE		1.2	U				
1,1,2-TRICHLOROETHANE		0.96	U				
1,1,2-TRICHLOROTRIFLUOROETHANE		11.1					
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6	U				
1,1-DICHLOROETHANE		1.4	U				
1,1-DICHLOROETHENE		1.4	U				
1,1-DIFLUOROETHANE		2.4	U				
1,2,4-TRICHLOROBENZENE					132	U	
1,2,4-TRIMETHYLBENZENE		1.7	U				
1,2-DIBROMO-3-CHLOROPROPANE		8.6	U				
1,2-DIBROMOETHANE		2.7	U				
1,2-DICHLOROBENZENE		5.3	U				
1,2-DICHLOROETHANE		0.72	U				
1,2-DICHLOROPROPANE		1.6	U				
1,2-DICHLOROTETRAFLUOROETHANE		2.5	U				
1,3,5-TRIMETHYLBENZENE		1.7	U				
1,3-BUTADIENE		0.79	U				
1,3-DICHLOROBENZENE		2.1	U				
1,4-DICHLOROBENZENE		2.1	U				
1,4-DIOXANE		6.4	U				
1-ETHYL-4-METHYL BENZENE		1.8	U				
2-BUTANONE		5.2	U				
2-HEXANONE		7.3	U				
3-CHLOROPROPENE		2.8	U				
4-METHYL-2-PENTANONE		7.3	U				
ACETONE		31.6					
BENZENE		0.57	U				
BROMODICHLOROMETHANE		2.4	U				
BROMOFORM		9.2	U				
BROMOMETHANE		1.4	U				
CARBON DISULFIDE		1.1	U				
CARBON TETRACHLORIDE		2.8					
CHLOROBENZENE		1.6	U				
CHLORODIBROMOMETHANE		3	U				

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	LIJ-WP-7_10_20160228			LIJ-WP-7_10_20160228RE			LIJ-WP-7_20_20160228			LIJ-WP-7_30_20160228		
	LAB_ID	10340119019			10340119019			10340119020			10340119021		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		23						67.8			145		
CHLOROETHANE		0.91	U					0.94	U		0.94	U	
CHLOROFORM					0.83	U		14.6			472		
CHLOROMETHANE		0.71	U					0.74	U		0.74	U	
CIS-1,2-DICHLOROETHENE					1.4	U		197			3570		
CIS-1,3-DICHLOROPROPENE		1.5	U					1.6	U		1.6	U	
CYCLOHEXANE		1.2	U					1.2	U		1.2	U	
DICHLORODIFLUOROMETHANE		2.4						1.8	U		4.1		
ETHYLBENZENE		1.5	U					1.5	U		1.5	U	
HEXACHLOROBUTADIENE		3.7	U					3.8	U		3.8	U	
HEXANE		1.4						1.3	U		2.9		
ISOPROPANOL		8.3						4.4	U		4.4	U	
ISOPROPYLBENZENE		4.2	U					4.4	U		4.4	U	
M+P-XYLENES		3	U					3.1	U		3.1	U	
METHYL ACETATE		2.6	U					2.7	U		2.7	U	
METHYL CYCLOHEXANE		1.4	U					1.4	U		1.4	U	
METHYL TERT-BUTYL ETHER		6.2	U					6.4	U		6.4	U	
METHYLENE CHLORIDE		21.4	J+	A				6.2	U		6.2	U	
O-XYLENE		1.5	U					1.5	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.4	UR	CE				5.6	UR	CE	5.6	UR	CE
STYRENE		1.5	U					1.5	U		1.5	U	
TETRACHLOROETHENE					47			5170			1360		
TOLUENE		14.3						1.6			1.3	U	
TRANS-1,2-DICHLOROETHENE		1.4	U					5.1			189		
TRANS-1,3-DICHLOROPROPENE		1.5	U					1.6	U		1.6	U	
TRICHLOROETHENE					28.6			4510			2100		
TRICHLOROFLUOROMETHANE		1.9	U					2.6			38.6		
VINYL CHLORIDE		0.44	U					0.46	U		0.46	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	LIJ-WP-7_40_20160228			LIJ-WP-7_5_20160228			LIJ-WP-7_5_20160228DUP			LIJ-WP-7_5_20160228DUPRE		
	LAB_ID	10340119022			10340119017			10340119018			10340119018		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF							LIJ-WP-7_5_20160228			LIJ-WP-7_5_20160228		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		41.2			11.3			11.2					
CHLOROETHANE		0.94	U		0.94	U		0.91	U				
CHLOROFORM		133			0.87	U		0.83	U				
CHLOROMETHANE		0.74	U		0.99			1.1					
CIS-1,2-DICHLOROETHENE		3330			1.4	U		1.4	U				
CIS-1,3-DICHLOROPROPENE		1.6	U		1.6	U		1.5	U				
CYCLOHEXANE		1.2	U		1.3			1.3					
DICHLORODIFLUOROMETHANE		1.8	U		2.8			2.8					
ETHYLBENZENE		1.5	U		1.5	U		1.8					
HEXACHLOROBUTADIENE		3.8	U								3.7	U	
HEXANE		2.9			2			2.7					
ISOPROPANOL		4.4	U		6.1			10.7					
ISOPROPYLBENZENE		4.4	U		4.4	U		4.2	U				
M+P-XYLENES		3.1	U		6.7			7.3					
METHYL ACETATE		2.7	U		2.7	U		2.6	U				
METHYL CYCLOHEXANE		1.4	U		1.4	U		1.4	U				
METHYL TERT-BUTYL ETHER		6.4	U		6.4	U		6.2	U				
METHYLENE CHLORIDE		6.2	U		16.5	J+	A	15.1	J+	A			
O-XYLENE		1.5	U		1.5	U		2					
PENTAFLUOROETHYL CHLORIDE		5.6	UR	CE	5.6	UR	CE	5.4	UR	CE			
STYRENE		1.5	U		1.5	U		1.5	U				
TETRACHLOROETHENE		7500			1.2	U		1.8					
TOLUENE		2.5			10.9	J	G	3.6	J	G			
TRANS-1,2-DICHLOROETHENE		43.6			1.4	U		1.4	U				
TRANS-1,3-DICHLOROPROPENE		1.6	U		1.6	U		1.5	U				
TRICHLOROETHENE		11800						2					
TRICHLOROFLUOROMETHANE		3			2	U		1.9	U				
VINYL CHLORIDE		0.46	U		0.46	U		0.44	U				

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	LIJ-WP-7_5_20160228RE			LIJ-WP-7_50_20160228			VP-102_19.5_20160228			VP-102_19.5_20160228DUP		
	LAB_ID	10340119017			10340119023			10340119003			10340119004		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF										VP-102_19.5_20160228		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					33.8			97.7	J	G	55.8	J	G
CHLOROETHANE					0.94	U		0.91	U		0.94	U	
CHLOROFORM					32.9			0.83	U		0.87	U	
CHLOROMETHANE					0.74	U		0.71	U		0.74	U	
CIS-1,2-DICHLOROETHENE					28.4	U		1.4	U		1.4	U	
CIS-1,3-DICHLOROPROPENE					1.6	U		1.5	U		1.6	U	
CYCLOHEXANE					1.2	U		1.2	U		1.2	U	
DICHLORODIFLUOROMETHANE					1.8			3.3			2.4		
ETHYLBENZENE					1.5	U		1.5	U		1.5	U	
HEXACHLOROBUTADIENE		3.8	U		3.8	U		5	U				
HEXANE					1.3	U		16.1	J	G	1.3	UJ	G
ISOPROPANOL					12.6			4.2	U		8.5		
ISOPROPYLBENZENE					4.4	U		4.2	U		4.4	U	
M+P-XYLENES					3.1	U		3	U		5.8		
METHYL ACETATE					2.7	U		2.6	U		2.7	U	
METHYL CYCLOHEXANE					1.4	U		1.4	U		1.4	U	
METHYL TERT-BUTYL ETHER					6.4	U		6.2	U		6.4	U	
METHYLENE CHLORIDE					6.2	U		99.6	J+	AG	6.2	UJ	G
O-XYLENE					1.5	U		1.5	U		2.4		
PENTAFLUOROETHYL CHLORIDE					5.6	UR	CE	5.4	UR	CE	5.6	UR	CE
STYRENE					1.5	U		1.5	U		1.5	U	
TETRACHLOROETHENE					28.3			1.8			1.7		
TOLUENE					3.5			6.6			4.7		
TRANS-1,2-DICHLOROETHENE					3.2			1.4	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE					1.6	U		1.5	U		1.6	U	
TRICHLOROETHENE		0.96	U		28.2			5.2			5.8		
TRICHLOROFLUOROMETHANE					2	U		1.9	U		2	U	
VINYL CHLORIDE					0.46	U		0.44	U		0.46	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-102_19.5_20160228DUPRE			VP-102_4.5_20160228			VP-102_4.5_20160228RE			VP-102_51.5_20160228		
	LAB_ID	10340119004			10340119001			10340119001			10340119005		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF	VP-102_19.5_20160228											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					55.4						1.2	U	
CHLOROETHANE					0.94	U					0.91	U	
CHLOROFORM					0.87	U					5.8		
CHLOROMETHANE					1.1						0.71	U	
CIS-1,2-DICHLOROETHENE					1.4	U					8.5		
CIS-1,3-DICHLOROPROPENE					1.6	U					1.5	U	
CYCLOHEXANE					2.3						1.2	U	
DICHLORODIFLUOROMETHANE					2.3						2.4		
ETHYLBENZENE					1.5	U					1.5	U	
HEXACHLOROBUTADIENE		3.8	U					3.8	U				
HEXANE					2.9						1.2	U	
ISOPROPANOL					40.2						4.2	U	
ISOPROPYLBENZENE					4.4	U					4.2	U	
M+P-XYLENES					3.1	U					3	U	
METHYL ACETATE					2.7	U					2.6	U	
METHYL CYCLOHEXANE					1.4	U					1.4	U	
METHYL TERT-BUTYL ETHER					6.4	U					6.2	U	
METHYLENE CHLORIDE					6.2	U					5.9	U	
O-XYLENE					1.5	U					1.5	U	
PENTAFLUOROETHYL CHLORIDE					5.6	UR	CE				5.4	UR	CE
STYRENE					1.5	U					1.5	U	
TETRACHLOROETHENE					1.2	U							
TOLUENE					26.9						3.4		
TRANS-1,2-DICHLOROETHENE					1.4	U					1.4	U	
TRANS-1,3-DICHLOROPROPENE					1.6	U					1.5	U	
TRICHLOROETHENE					0.96	U							
TRICHLOROFLUOROMETHANE					2	U					2.3		
VINYL CHLORIDE					0.46	U					0.44	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-102_51.5_20160228RE			VP-102_57.5_20160228			VP-102_57.5_20160228RE			VP-102_61.5_20160228		
	LAB_ID	10340119005			10340119006			10340119006			10340119007		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					1.1	U					1.2	U	
CHLOROETHANE					0.84	U					0.91	U	
CHLOROFORM					3.8						5.3		
CHLOROMETHANE					0.65	U					0.71	U	
CIS-1,2-DICHLOROETHENE					7.1						3.7		
CIS-1,3-DICHLOROPROPENE					1.4	U					1.5	U	
CYCLOHEXANE					1.1	U					1.2	U	
DICHLORODIFLUOROMETHANE					2.5						2.6		
ETHYLBENZENE					1.4	U					1.9		
HEXACHLOROBUTADIENE		3.7	U					3.4	U				
HEXANE					1.1	U					1.3		
ISOPROPANOL					5						87.7		
ISOPROPYLBENZENE					3.9	U					4.2	U	
M+P-XYLENES					2.7	U					7.4		
METHYL ACETATE					2.4	U					2.6	U	
METHYL CYCLOHEXANE					1.3	U					1.4	U	
METHYL TERT-BUTYL ETHER					5.7	U					6.2	U	
METHYLENE CHLORIDE					5.5	U					5.9	U	
O-XYLENE					1.4	U					2.6		
PENTAFLUOROETHYL CHLORIDE					5	UR	CE				5.4	UR	CE
STYRENE					1.3	U					1.5	U	
TETRACHLOROETHENE		198						246	J	F	194		
TOLUENE					2						19.1		
TRANS-1,2-DICHLOROETHENE					1.3	U					1.4	U	
TRANS-1,3-DICHLOROPROPENE					1.4	U					1.5	U	
TRICHLOROETHENE		370						432	J	F			
TRICHLOROFLUOROMETHANE					2.4						3.9		
VINYL CHLORIDE					0.4	U					0.44	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-102_61.5_20160228RE			VP-102_73.5_20160228			VP-102_73.5_20160228RE			VP-102_8.5_20160228		
	LAB_ID	10340119007			10340119008			10340119008			10340119002		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE					6.4						109		
CHLOROETHANE					0.87	U					0.99	U	
CHLOROFORM					3.4						0.91	U	
CHLOROMETHANE					0.68	U					1.2		
CIS-1,2-DICHLOROETHENE					5.1						1.5	U	
CIS-1,3-DICHLOROPROPENE					1.5	U					1.7	U	
CYCLOHEXANE					1.1	U					1.6		
DICHLORODIFLUOROMETHANE					2.3						2.4		
ETHYLBENZENE					1.4	U					1.6	U	
HEXACHLOROBUTADIENE		3.7	U					3.5	U		5.4	U	
HEXANE					1.2	U					25.3		
ISOPROPANOL					4	U					4.6	U	
ISOPROPYLBENZENE					4	U					4.6	U	
M+P-XYLENES					2.8	U					3.2	U	
METHYL ACETATE					2.5	U					2.8	U	
METHYL CYCLOHEXANE					1.3	U					1.5	U	
METHYL TERT-BUTYL ETHER					5.9	U					6.7	U	
METHYLENE CHLORIDE					5.7	U					157	J+	A
O-XYLENE					1.4	U					1.6	U	
PENTAFLUOROETHYL CHLORIDE					5.2	UR	CE				5.9	UR	CE
STYRENE					1.4	U					1.6	U	
TETRACHLOROETHENE								280			1.3	U	
TOLUENE					1.2	U					9.8		
TRANS-1,2-DICHLOROETHENE					1.3	U					1.5	U	
TRANS-1,3-DICHLOROPROPENE					1.5	U					1.7	U	
TRICHLOROETHENE		349						453			1	U	
TRICHLOROFLUOROMETHANE					2.1						2.1		
VINYL CHLORIDE					0.42	U					0.48	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-103_10_20160228			VP-103_10_20160228RE			VP-103_20_20160228			VP-103_30_20160228		
	LAB_ID	10340119010			10340119010			10340119011			10340119012		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.2	U					120			108		
CHLOROETHANE		0.91	U					0.94	U		0.94	U	
CHLOROFORM		4.1						1.7			5		
CHLOROMETHANE		0.75						1.9			0.74	U	
CIS-1,2-DICHLOROETHENE		1.4	U					1.4	U		1.4	U	
CIS-1,3-DICHLOROPROPENE		1.5	U					1.6	U		1.6	U	
CYCLOHEXANE		1.2	U					1.7			1.2	U	
DICHLORODIFLUOROMETHANE		2.3						3.9			3.2		
ETHYLBENZENE		1.5	U					1.5	U		1.5	U	
HEXACHLOROBUTADIENE					3.7	U		5.2	U		5.2	U	
HEXANE		1.2	U					52.7			28.2		
ISOPROPANOL		4.2	U					4.4	U		15.6		
ISOPROPYLBENZENE		4.2	U					4.4	U		4.4	U	
M+P-XYLENES		3	U					3.8			3.1	U	
METHYL ACETATE		2.6	U					2.7	U		2.7	U	
METHYL CYCLOHEXANE		1.4	U					1.4	U		1.4	U	
METHYL TERT-BUTYL ETHER		6.2	U					6.4	U		6.4	U	
METHYLENE CHLORIDE		5.9	U					372	J+	A	206	J+	A
O-XYLENE		1.5	U					1.5	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.4	UR	CE				5.6	UR	CE	5.6	UR	CE
STYRENE		1.5	U					1.5	U		1.5	U	
TETRACHLOROETHENE		2.9						15.7			97.3		
TOLUENE		2.6						13.4			8.3		
TRANS-1,2-DICHLOROETHENE		1.4	U					1.4	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.5	U					1.6	U		1.6	U	
TRICHLOROETHENE		4						48.7			264		
TRICHLOROFLUOROMETHANE		1.9	U					2.5			3.7		
VINYL CHLORIDE		0.44	U					0.46	U		0.46	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-103_40_20160228			VP-103_5_20160228			VP-103_50_20160228			VP-103_61.5_20160228		
	LAB_ID	10340119013			10340119009			10340119014			10340119015		
	SAMP_DATE	2/28/2016			2/28/2016			2/28/2016			2/28/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		100			61.7			100			58.8		
CHLOROETHANE		0.94	U		0.91	U		0.91	U		0.94	U	
CHLOROFORM		5			0.83	U		2.7			3.5		
CHLOROMETHANE		0.74	U		1.6			1.9			0.74	U	
CIS-1,2-DICHLOROETHENE		2.4			1.4	U		2.2			6.5		
CIS-1,3-DICHLOROPROPENE		1.6	U		1.5	U		1.5	U		1.6	U	
CYCLOHEXANE		1.2	U		1.2			1.2	U		1.2	U	
DICHLORODIFLUOROMETHANE		1.8	U		3.5			3.1			2.7		
ETHYLBENZENE		1.5	U		1.5	U		1.5	U		1.5	U	
HEXACHLOROBUTADIENE		5.2	U		5	U		5	U		5.2	U	
HEXANE		27.5			42.2			32.2			8.4		
ISOPROPANOL		4.4	U		87.5			4.2	U		4.4	U	
ISOPROPYLBENZENE		4.4	U		4.2	U		4.2	U		4.4	U	
M+P-XYLENES		3.1	U		3	U		3	U		3.1	U	
METHYL ACETATE		2.7	U		2.6	U		2.6	U		2.7	U	
METHYL CYCLOHEXANE		1.4	U		1.4	U		1.4	U		1.4	U	
METHYL TERT-BUTYL ETHER		6.4	U		6.2	U		6.2	U		6.4	U	
METHYLENE CHLORIDE		215	J+	A	296	J+	A	45.8	J+	A	67.8	J+	A
O-XYLENE		1.5	U		1.5	U		1.5	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.6	UR	CE	5.4	UR	CE	5.4	UR	CE	5.6	UR	CE
STYRENE		1.5	U		1.5	U		1.5	U		1.5	U	
TETRACHLOROETHENE		125			1.2	U		91.3			180		
TOLUENE		7.8			8.1			7.9			3.7		
TRANS-1,2-DICHLOROETHENE		1.4	U		1.4	U		1.4	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.6	U		1.5	U		1.5	U		1.6	U	
TRICHLOROETHENE		395			0.92	U		222			305		
TRICHLOROFLUOROMETHANE		3.9			1.9	U		3			2.8		
VINYL CHLORIDE		0.46	U		0.44	U		0.44	U		0.46	U	

PROJ_NO: 07792 SDG: 10340119 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	VP-103_74.5_20160228			VP-103_74.5_20160228RE		
	LAB_ID	10340119016			10340119016		
	SAMP_DATE	2/28/2016			2/28/2016		
	QC_TYPE	NM			NM		
	UNITS	UG/M3			UG/M3		
	PCT_SOLIDS						
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.3	U				
CHLOROETHANE		0.94	U				
CHLOROFORM		5.5					
CHLOROMETHANE		0.74	U				
CIS-1,2-DICHLOROETHENE		3.3					
CIS-1,3-DICHLOROPROPENE		1.6	U				
CYCLOHEXANE		1.2	U				
DICHLORODIFLUOROMETHANE		2.6					
ETHYLBENZENE		1.5	U				
HEXACHLOROBUTADIENE					3.8	U	
HEXANE		1.3	U				
ISOPROPANOL		42.2					
ISOPROPYLBENZENE		4.4	U				
M+P-XYLENES		3.1	U				
METHYL ACETATE		2.7	U				
METHYL CYCLOHEXANE		1.4	U				
METHYL TERT-BUTYL ETHER		6.4	U				
METHYLENE CHLORIDE		6.2	U				
O-XYLENE		1.5	U				
PENTAFLUOROETHYL CHLORIDE		5.6	UR	CE			
STYRENE		1.5	U				
TETRACHLOROETHENE		201					
TOLUENE		3.2					
TRANS-1,2-DICHLOROETHENE		1.4	U				
TRANS-1,3-DICHLOROPROPENE		1.6	U				
TRICHLOROETHENE					333		
TRICHLOROFLUOROMETHANE		4.1					
VINYL CHLORIDE		0.46	U				

Appendix B

Results as Reported by the Laboratory

ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_4.5_20160228		Lab ID: 10340119001		Collected: 02/28/16 11:04		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/15/16 21:27	75-37-6		
Acetone	43.0	ug/m3	4.2	1.75		03/15/16 21:27	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/15/16 21:27	107-05-1		
Benzene	1.3	ug/m3	0.57	1.75		03/15/16 21:27	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/15/16 21:27	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/15/16 21:27	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/15/16 21:27	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/15/16 21:27	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/15/16 21:27	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/15/16 21:27	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/15/16 21:27	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/15/16 21:27	108-90-7		
Chlorodifluoromethane	55.4	ug/m3	1.3	1.75		03/15/16 21:27	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/15/16 21:27	75-00-3		
Chloroform	ND	ug/m3	0.87	1.75		03/15/16 21:27	67-66-3		
Chloromethane	1.1	ug/m3	0.74	1.75		03/15/16 21:27	74-87-3		
Chloropentafluoroethane	ND	ug/m3	33.7	1.75		03/15/16 21:27	76-15-3	IC	
Cyclohexane	2.3	ug/m3	1.2	1.75		03/15/16 21:27	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/15/16 21:27	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/15/16 21:27	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/15/16 21:27	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/15/16 21:27	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/15/16 21:27	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/15/16 21:27	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.75		03/15/16 21:27	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/15/16 21:27	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/15/16 21:27	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/15/16 21:27	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/15/16 21:27	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/15/16 21:27	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/15/16 21:27	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/15/16 21:27	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/15/16 21:27	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/15/16 21:27	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/15/16 21:27	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/15/16 21:27	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/15/16 21:27	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/15/16 21:27	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/16/16 20:02	87-68-3		
n-Hexane	2.9	ug/m3	1.3	1.75		03/15/16 21:27	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/15/16 21:27	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/15/16 21:27	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/15/16 21:27	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/15/16 21:27	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/15/16 21:27	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/15/16 21:27	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/15/16 21:27	1634-04-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Sample Project No.: 10340119

Sample: VP-102_4.5_20160228		Lab ID: 10340119001		Collected: 02/28/16 11:04		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	40.2	ug/m3	4.4	1.75		03/15/16 21:27	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/15/16 21:27	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/15/16 21:27	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/15/16 21:27	127-18-4		
Toluene	26.9	ug/m3	1.3	1.75		03/15/16 21:27	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/16/16 20:02	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/15/16 21:27	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/15/16 21:27	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		03/15/16 21:27	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/15/16 21:27	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/15/16 21:27	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/15/16 21:27	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/15/16 21:27	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/15/16 21:27	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/15/16 21:27	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/15/16 21:27	95-47-6		

Sample: VP-102_8.5_20160228		Lab ID: 10340119002		Collected: 02/28/16 10:49		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/15/16 21:55	75-37-6		
Acetone	18.9	ug/m3	4.4	1.83		03/15/16 21:55	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/15/16 21:55	107-05-1		
Benzene	1.3	ug/m3	0.59	1.83		03/15/16 21:55	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/15/16 21:55	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/15/16 21:55	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/15/16 21:55	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/15/16 21:55	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/15/16 21:55	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/15/16 21:55	75-15-0		
Carbon tetrachloride	1.2	ug/m3	1.2	1.83		03/15/16 21:55	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/15/16 21:55	108-90-7		
Chlorodifluoromethane	109	ug/m3	1.3	1.83		03/15/16 21:55	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/15/16 21:55	75-00-3		
Chloroform	ND	ug/m3	0.91	1.83		03/15/16 21:55	67-66-3		
Chloromethane	1.2	ug/m3	0.77	1.83		03/15/16 21:55	74-87-3		
Chloropentafluoroethane	ND	ug/m3	35.2	1.83		03/15/16 21:55	76-15-3	IC	
Cyclohexane	1.6	ug/m3	1.3	1.83		03/15/16 21:55	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/15/16 21:55	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/15/16 21:55	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/15/16 21:55	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.6	1.83		03/15/16 21:55	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/15/16 21:55	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/15/16 21:55	106-46-7		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_8.5_20160228		Lab ID: 10340119002		Collected: 02/28/16 10:49		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.83		03/15/16 21:55	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/15/16 21:55	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/15/16 21:55	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/15/16 21:55	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/15/16 21:55	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/15/16 21:55	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/15/16 21:55	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/15/16 21:55	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/15/16 21:55	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/15/16 21:55	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/15/16 21:55	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/15/16 21:55	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/15/16 21:55	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/15/16 21:55	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	2.45		03/16/16 18:39	87-68-3		
n-Hexane	25.3	ug/m3	1.3	1.83		03/15/16 21:55	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/15/16 21:55	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/15/16 21:55	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/15/16 21:55	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/15/16 21:55	108-87-2		
Methylene Chloride	157	ug/m3	6.5	1.83		03/15/16 21:55	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/15/16 21:55	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/15/16 21:55	1634-04-4		
2-Propanol	ND	ug/m3	4.6	1.83		03/15/16 21:55	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/15/16 21:55	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/15/16 21:55	79-34-5		
Tetrachloroethene	ND	ug/m3	1.3	1.83		03/15/16 21:55	127-18-4		
Toluene	9.8	ug/m3	1.4	1.83		03/15/16 21:55	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	185	2.45		03/16/16 18:39	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/15/16 21:55	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/15/16 21:55	79-00-5		
Trichloroethene	ND	ug/m3	1.0	1.83		03/15/16 21:55	79-01-6		
Trichlorofluoromethane	2.1	ug/m3	2.1	1.83		03/15/16 21:55	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/15/16 21:55	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/15/16 21:55	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/15/16 21:55	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/15/16 21:55	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/15/16 21:55	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/15/16 21:55	95-47-6		

Sample: VP-102_19.5_20160228		Lab ID: 10340119003		Collected: 02/28/16 11:11		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	2.3	1.68		03/15/16 22:23	75-37-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_19.5_20160228		Lab ID: 10340119003		Collected: 02/28/16 11:11		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	43.4	ug/m3	4.1	1.68		03/15/16 22:23	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/15/16 22:23	107-05-1		
Benzene	0.95	ug/m3	0.55	1.68		03/15/16 22:23	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/15/16 22:23	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/15/16 22:23	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/15/16 22:23	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/15/16 22:23	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/15/16 22:23	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/15/16 22:23	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/15/16 22:23	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/15/16 22:23	108-90-7		
Chlorodifluoromethane	97.7	ug/m3	1.2	1.68		03/15/16 22:23	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/15/16 22:23	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		03/15/16 22:23	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/15/16 22:23	74-87-3		
Chloropentafluoroethane	ND	ug/m3	32.4	1.68		03/15/16 22:23	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.68		03/15/16 22:23	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/15/16 22:23	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/15/16 22:23	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/15/16 22:23	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/15/16 22:23	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/15/16 22:23	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/15/16 22:23	106-46-7		
Dichlorodifluoromethane	3.3	ug/m3	1.7	1.68		03/15/16 22:23	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/15/16 22:23	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/15/16 22:23	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/15/16 22:23	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/15/16 22:23	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/15/16 22:23	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/15/16 22:23	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/15/16 22:23	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/15/16 22:23	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/15/16 22:23	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/15/16 22:23	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/15/16 22:23	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/15/16 22:23	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/15/16 22:23	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	5.0	2.25		03/16/16 19:07	87-68-3		
n-Hexane	16.1	ug/m3	1.2	1.68		03/15/16 22:23	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/15/16 22:23	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/15/16 22:23	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/15/16 22:23	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/15/16 22:23	108-87-2		
Methylene Chloride	99.6	ug/m3	5.9	1.68		03/15/16 22:23	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/15/16 22:23	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/15/16 22:23	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/15/16 22:23	67-63-0		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Sample Project No.: 10340119

Sample: VP-102_19.5_20160228		Lab ID: 10340119003		Collected: 02/28/16 11:11		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Styrene	ND	ug/m3	1.5	1.68		03/15/16 22:23	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/15/16 22:23	79-34-5		
Tetrachloroethene	1.8	ug/m3	1.2	1.68		03/15/16 22:23	127-18-4		
Toluene	6.6	ug/m3	1.3	1.68		03/15/16 22:23	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	170	2.25		03/16/16 19:07	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/15/16 22:23	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/15/16 22:23	79-00-5		
Trichloroethene	5.2	ug/m3	0.92	1.68		03/15/16 22:23	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/15/16 22:23	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		03/15/16 22:23	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/15/16 22:23	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/15/16 22:23	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/15/16 22:23	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/15/16 22:23	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/15/16 22:23	95-47-6		

Sample: VP-102_19.5_20160228DUP		Lab ID: 10340119004		Collected: 02/28/16 11:11		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/15/16 23:12	75-37-6		
Acetone	8.2	ug/m3	4.2	1.75		03/15/16 23:12	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/15/16 23:12	107-05-1		
Benzene	ND	ug/m3	0.57	1.75		03/15/16 23:12	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/15/16 23:12	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/15/16 23:12	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/15/16 23:12	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/15/16 23:12	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/15/16 23:12	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/15/16 23:12	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/15/16 23:12	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/15/16 23:12	108-90-7		
Chlorodifluoromethane	55.8	ug/m3	1.3	1.75		03/15/16 23:12	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/15/16 23:12	75-00-3		
Chloroform	ND	ug/m3	0.87	1.75		03/15/16 23:12	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/15/16 23:12	74-87-3		
Chloropentafluoroethane	ND	ug/m3	33.7	1.75		03/15/16 23:12	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.75		03/15/16 23:12	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/15/16 23:12	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/15/16 23:12	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/15/16 23:12	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/15/16 23:12	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/15/16 23:12	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/15/16 23:12	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.75		03/15/16 23:12	75-71-8		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_19.5_20160228DUP			Lab ID: 10340119004		Collected: 02/28/16 11:11		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual		
TO15 MSV AIR		Analytical Method: TO-15								
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/15/16 23:12	75-34-3			
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/15/16 23:12	107-06-2			
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/15/16 23:12	75-35-4			
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/15/16 23:12	156-59-2			
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/15/16 23:12	156-60-5			
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/15/16 23:12	78-87-5			
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/15/16 23:12	10061-01-5			
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/15/16 23:12	10061-02-6			
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/15/16 23:12	76-14-2			
Freon 123	ND	ug/m3	5.6	1.75		03/15/16 23:12	306-83-2	SS		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/15/16 23:12	123-91-1			
Ethylbenzene	ND	ug/m3	1.5	1.75		03/15/16 23:12	100-41-4			
4-Ethyltoluene	2.1	ug/m3	1.8	1.75		03/15/16 23:12	622-96-8			
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/16/16 21:19	87-68-3			
n-Hexane	ND	ug/m3	1.3	1.75		03/15/16 23:12	110-54-3			
2-Hexanone	ND	ug/m3	7.3	1.75		03/15/16 23:12	591-78-6			
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/15/16 23:12	98-82-8			
Methyl acetate	ND	ug/m3	2.7	1.75		03/15/16 23:12	79-20-9			
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/15/16 23:12	108-87-2			
Methylene Chloride	ND	ug/m3	6.2	1.75		03/15/16 23:12	75-09-2			
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/15/16 23:12	108-10-1			
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/15/16 23:12	1634-04-4			
2-Propanol	8.5	ug/m3	4.4	1.75		03/15/16 23:12	67-63-0			
Styrene	ND	ug/m3	1.5	1.75		03/15/16 23:12	100-42-5			
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/15/16 23:12	79-34-5			
Tetrachloroethene	1.7	ug/m3	1.2	1.75		03/15/16 23:12	127-18-4			
Toluene	4.7	ug/m3	1.3	1.75		03/15/16 23:12	108-88-3			
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/16/16 21:19	120-82-1			
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/15/16 23:12	71-55-6			
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/15/16 23:12	79-00-5			
Trichloroethene	5.8	ug/m3	0.96	1.75		03/15/16 23:12	79-01-6			
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/15/16 23:12	75-69-4			
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/15/16 23:12	76-13-1			
1,2,4-Trimethylbenzene	7.5	ug/m3	1.7	1.75		03/15/16 23:12	95-63-6			
1,3,5-Trimethylbenzene	1.8	ug/m3	1.7	1.75		03/15/16 23:12	108-67-8			
Vinyl chloride	ND	ug/m3	0.46	1.75		03/15/16 23:12	75-01-4			
m&p-Xylene	5.8	ug/m3	3.1	1.75		03/15/16 23:12	179601-23-1			
o-Xylene	2.4	ug/m3	1.5	1.75		03/15/16 23:12	95-47-6			

Sample: VP-102_51.5_20160228		Lab ID: 10340119005		Collected: 02/28/16 11:26		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	2.3	1.68		03/15/16 23:39	75-37-6	
Acetone		15.7	ug/m3	4.1	1.68		03/15/16 23:39	67-64-1	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_51.5_20160228		Lab ID: 10340119005		Collected: 02/28/16 11:26		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Allyl chloride	ND	ug/m3	2.7	1.68		03/15/16 23:39	107-05-1		
Benzene	ND	ug/m3	0.55	1.68		03/15/16 23:39	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/15/16 23:39	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/15/16 23:39	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/15/16 23:39	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/15/16 23:39	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/15/16 23:39	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/15/16 23:39	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/15/16 23:39	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/15/16 23:39	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		03/15/16 23:39	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/15/16 23:39	75-00-3		
Chloroform	5.8	ug/m3	0.83	1.68		03/15/16 23:39	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/15/16 23:39	74-87-3		
Chloropentafluoroethane	ND	ug/m3	32.4	1.68		03/15/16 23:39	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.68		03/15/16 23:39	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/15/16 23:39	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/15/16 23:39	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/15/16 23:39	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/15/16 23:39	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/15/16 23:39	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/15/16 23:39	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.7	1.68		03/15/16 23:39	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/15/16 23:39	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/15/16 23:39	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/15/16 23:39	75-35-4		
cis-1,2-Dichloroethene	8.5	ug/m3	1.4	1.68		03/15/16 23:39	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/15/16 23:39	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/15/16 23:39	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/15/16 23:39	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/15/16 23:39	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/15/16 23:39	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/15/16 23:39	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/15/16 23:39	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/15/16 23:39	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/15/16 23:39	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/17/16 02:34	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		03/15/16 23:39	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/15/16 23:39	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/15/16 23:39	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/15/16 23:39	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/15/16 23:39	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/15/16 23:39	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/15/16 23:39	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/15/16 23:39	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/15/16 23:39	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/15/16 23:39	100-42-5		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_51.5_20160228		Lab ID: 10340119005		Collected: 02/28/16 11:26		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/15/16 23:39	79-34-5		
Tetrachloroethene	198	ug/m3	23.2	33.6		03/17/16 02:56	127-18-4		
Toluene	3.4	ug/m3	1.3	1.68		03/15/16 23:39	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/17/16 02:34	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/15/16 23:39	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/15/16 23:39	79-00-5		
Trichloroethene	370	ug/m3	18.5	33.6		03/17/16 02:56	79-01-6		
Trichlorofluoromethane	2.3	ug/m3	1.9	1.68		03/15/16 23:39	75-69-4		
1,1,2-Trichlorotrifluoroethane	15.3	ug/m3	2.7	1.68		03/15/16 23:39	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/15/16 23:39	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/15/16 23:39	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/15/16 23:39	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/15/16 23:39	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/15/16 23:39	95-47-6		

Sample: VP-102_57.5_20160228		Lab ID: 10340119006		Collected: 02/28/16 09:50		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.1	1.55		03/16/16 00:06	75-37-6		
Acetone	7.0	ug/m3	3.7	1.55		03/16/16 00:06	67-64-1		
Allyl chloride	ND	ug/m3	2.5	1.55		03/16/16 00:06	107-05-1		
Benzene	ND	ug/m3	0.50	1.55		03/16/16 00:06	71-43-2		
Bromodichloromethane	ND	ug/m3	2.1	1.55		03/16/16 00:06	75-27-4		
Bromoform	ND	ug/m3	8.1	1.55		03/16/16 00:06	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.55		03/16/16 00:06	74-83-9		
1,3-Butadiene	ND	ug/m3	0.70	1.55		03/16/16 00:06	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.6	1.55		03/16/16 00:06	78-93-3		
Carbon disulfide	ND	ug/m3	0.98	1.55		03/16/16 00:06	75-15-0		
Carbon tetrachloride	ND	ug/m3	0.99	1.55		03/16/16 00:06	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.55		03/16/16 00:06	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.1	1.55		03/16/16 00:06	75-45-6		
Chloroethane	ND	ug/m3	0.84	1.55		03/16/16 00:06	75-00-3		
Chloroform	3.8	ug/m3	0.77	1.55		03/16/16 00:06	67-66-3		
Chloromethane	ND	ug/m3	0.65	1.55		03/16/16 00:06	74-87-3		
Chloropentafluoroethane	ND	ug/m3	29.9	1.55		03/16/16 00:06	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.1	1.55		03/16/16 00:06	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.6	1.55		03/16/16 00:06	96-12-8		
Dibromochloromethane	ND	ug/m3	2.7	1.55		03/16/16 00:06	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.4	1.55		03/16/16 00:06	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.7	1.55		03/16/16 00:06	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.9	1.55		03/16/16 00:06	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	1.9	1.55		03/16/16 00:06	106-46-7		
Dichlorodifluoromethane	2.5	ug/m3	1.6	1.55		03/16/16 00:06	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		03/16/16 00:06	75-34-3		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_57.5_20160228		Lab ID: 10340119006		Collected: 02/28/16 09:50		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2-Dichloroethane	ND	ug/m3	0.64	1.55		03/16/16 00:06	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.3	1.55		03/16/16 00:06	75-35-4		
cis-1,2-Dichloroethene	7.1	ug/m3	1.3	1.55		03/16/16 00:06	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		03/16/16 00:06	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.55		03/16/16 00:06	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		03/16/16 00:06	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.55		03/16/16 00:06	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.2	1.55		03/16/16 00:06	76-14-2		
Freon 123	ND	ug/m3	4.9	1.55		03/16/16 00:06	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.7	1.55		03/16/16 00:06	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.55		03/16/16 00:06	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.55		03/16/16 00:06	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.4	1.55		03/17/16 04:12	87-68-3		
n-Hexane	ND	ug/m3	1.1	1.55		03/16/16 00:06	110-54-3		
2-Hexanone	ND	ug/m3	6.5	1.55		03/16/16 00:06	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	3.9	1.55		03/16/16 00:06	98-82-8		
Methyl acetate	ND	ug/m3	2.4	1.55		03/16/16 00:06	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.55		03/16/16 00:06	108-87-2		
Methylene Chloride	ND	ug/m3	5.5	1.55		03/16/16 00:06	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.5	1.55		03/16/16 00:06	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.7	1.55		03/16/16 00:06	1634-04-4		
2-Propanol	5.0	ug/m3	3.9	1.55		03/16/16 00:06	67-63-0		
Styrene	ND	ug/m3	1.3	1.55		03/16/16 00:06	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.55		03/16/16 00:06	79-34-5		
Tetrachloroethene	246	ug/m3	21.4	31		03/17/16 04:34	127-18-4		
Toluene	2.0	ug/m3	1.2	1.55		03/16/16 00:06	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	117	1.55		03/17/16 04:12	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		03/16/16 00:06	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.85	1.55		03/16/16 00:06	79-00-5		
Trichloroethene	432	ug/m3	17.0	31		03/17/16 04:34	79-01-6		
Trichlorofluoromethane	2.4	ug/m3	1.8	1.55		03/16/16 00:06	75-69-4		
1,1,2-Trichlorotrifluoroethane	13.6	ug/m3	2.5	1.55		03/16/16 00:06	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.55		03/16/16 00:06	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.55		03/16/16 00:06	108-67-8		
Vinyl chloride	ND	ug/m3	0.40	1.55		03/16/16 00:06	75-01-4		
m&p-Xylene	ND	ug/m3	2.7	1.55		03/16/16 00:06	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.55		03/16/16 00:06	95-47-6		

Sample: VP-102_61.5_20160228		Lab ID: 10340119007		Collected: 02/28/16 11:10		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	2.3	1.68		03/16/16 01:00	75-37-6	
Acetone		75.9	ug/m3	4.1	1.68		03/16/16 01:00	67-64-1	
Allyl chloride		ND	ug/m3	2.7	1.68		03/16/16 01:00	107-05-1	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_61.5_20160228		Lab ID: 10340119007		Collected: 02/28/16 11:10		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Benzene	ND	ug/m3	0.55	1.68		03/16/16 01:00	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/16/16 01:00	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/16/16 01:00	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/16/16 01:00	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/16/16 01:00	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/16/16 01:00	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/16/16 01:00	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/16/16 01:00	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/16/16 01:00	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		03/16/16 01:00	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/16/16 01:00	75-00-3		
Chloroform	5.3	ug/m3	0.83	1.68		03/16/16 01:00	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/16/16 01:00	74-87-3		
Chloropentafluoroethane	ND	ug/m3	32.4	1.68		03/16/16 01:00	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.68		03/16/16 01:00	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/16/16 01:00	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/16/16 01:00	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/16/16 01:00	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/16/16 01:00	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 01:00	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 01:00	106-46-7		
Dichlorodifluoromethane	2.6	ug/m3	1.7	1.68		03/16/16 01:00	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/16/16 01:00	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/16/16 01:00	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 01:00	75-35-4		
cis-1,2-Dichloroethene	3.7	ug/m3	1.4	1.68		03/16/16 01:00	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 01:00	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/16/16 01:00	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 01:00	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 01:00	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/16/16 01:00	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/16/16 01:00	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/16/16 01:00	123-91-1		
Ethylbenzene	1.9	ug/m3	1.5	1.68		03/16/16 01:00	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/16/16 01:00	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/17/16 01:43	87-68-3		
n-Hexane	1.3	ug/m3	1.2	1.68		03/16/16 01:00	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/16/16 01:00	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/16/16 01:00	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/16/16 01:00	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/16/16 01:00	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/16/16 01:00	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/16/16 01:00	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/16/16 01:00	1634-04-4		
2-Propanol	87.7	ug/m3	4.2	1.68		03/16/16 01:00	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/16/16 01:00	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/16/16 01:00	79-34-5		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_61.5_20160228		Lab ID: 10340119007		Collected: 02/28/16 11:10		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	194	ug/m3	1.2	1.68		03/16/16 01:00	127-18-4		
Toluene	19.1	ug/m3	1.3	1.68		03/16/16 01:00	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/17/16 01:43	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/16/16 01:00	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/16/16 01:00	79-00-5		
Trichloroethene	349	ug/m3	9.2	16.8		03/17/16 02:06	79-01-6		
Trichlorofluoromethane	3.9	ug/m3	1.9	1.68		03/16/16 01:00	75-69-4		
1,1,2-Trichlorotrifluoroethane	9.6	ug/m3	2.7	1.68		03/16/16 01:00	76-13-1		
1,2,4-Trimethylbenzene	2.1	ug/m3	1.7	1.68		03/16/16 01:00	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/16/16 01:00	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/16/16 01:00	75-01-4		
m&p-Xylene	7.4	ug/m3	3.0	1.68		03/16/16 01:00	179601-23-1		
o-Xylene	2.6	ug/m3	1.5	1.68		03/16/16 01:00	95-47-6		

Sample: VP-102_73.5_20160228		Lab ID: 10340119008		Collected: 02/28/16 09:54		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.2	1.61		03/16/16 01:54	75-37-6		
Acetone	4.4	ug/m3	3.9	1.61		03/16/16 01:54	67-64-1		
Allyl chloride	ND	ug/m3	2.6	1.61		03/16/16 01:54	107-05-1		
Benzene	ND	ug/m3	0.52	1.61		03/16/16 01:54	71-43-2		
Bromodichloromethane	ND	ug/m3	2.2	1.61		03/16/16 01:54	75-27-4		
Bromoform	ND	ug/m3	8.5	1.61		03/16/16 01:54	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.61		03/16/16 01:54	74-83-9		
1,3-Butadiene	ND	ug/m3	0.72	1.61		03/16/16 01:54	106-99-0		
2-Butanone (MEK)	ND	ug/m3	4.8	1.61		03/16/16 01:54	78-93-3		
Carbon disulfide	ND	ug/m3	1.0	1.61		03/16/16 01:54	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.0	1.61		03/16/16 01:54	56-23-5		
Chlorobenzene	ND	ug/m3	1.5	1.61		03/16/16 01:54	108-90-7		
Chlorodifluoromethane	6.4	ug/m3	1.2	1.61		03/16/16 01:54	75-45-6		
Chloroethane	ND	ug/m3	0.87	1.61		03/16/16 01:54	75-00-3		
Chloroform	3.4	ug/m3	0.80	1.61		03/16/16 01:54	67-66-3		
Chloromethane	ND	ug/m3	0.68	1.61		03/16/16 01:54	74-87-3		
Chloropentafluoroethane	ND	ug/m3	31.0	1.61		03/16/16 01:54	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.1	1.61		03/16/16 01:54	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.9	1.61		03/16/16 01:54	96-12-8		
Dibromochloromethane	ND	ug/m3	2.8	1.61		03/16/16 01:54	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		03/16/16 01:54	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	4.9	1.61		03/16/16 01:54	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		03/16/16 01:54	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		03/16/16 01:54	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.6	1.61		03/16/16 01:54	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		03/16/16 01:54	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		03/16/16 01:54	107-06-2		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-102_73.5_20160228		Lab ID: 10340119008		Collected: 02/28/16 09:54		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		03/16/16 01:54	75-35-4		
cis-1,2-Dichloroethene	5.1	ug/m3	1.3	1.61		03/16/16 01:54	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		03/16/16 01:54	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		03/16/16 01:54	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/16/16 01:54	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		03/16/16 01:54	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		03/16/16 01:54	76-14-2		
Freon 123	ND	ug/m3	5.1	1.61		03/16/16 01:54	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.9	1.61		03/16/16 01:54	123-91-1		
Ethylbenzene	ND	ug/m3	1.4	1.61		03/16/16 01:54	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.6	1.61		03/16/16 01:54	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		03/17/16 03:23	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.61		03/16/16 01:54	110-54-3		
2-Hexanone	ND	ug/m3	6.7	1.61		03/16/16 01:54	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.0	1.61		03/16/16 01:54	98-82-8		
Methyl acetate	ND	ug/m3	2.5	1.61		03/16/16 01:54	79-20-9		
Methylcyclohexane	ND	ug/m3	1.3	1.61		03/16/16 01:54	108-87-2		
Methylene Chloride	ND	ug/m3	5.7	1.61		03/16/16 01:54	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.7	1.61		03/16/16 01:54	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.9	1.61		03/16/16 01:54	1634-04-4		
2-Propanol	ND	ug/m3	4.0	1.61		03/16/16 01:54	67-63-0		
Styrene	ND	ug/m3	1.4	1.61		03/16/16 01:54	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		03/16/16 01:54	79-34-5		
Tetrachloroethene	280	ug/m3	22.2	32.2		03/17/16 03:45	127-18-4		
Toluene	ND	ug/m3	1.2	1.61		03/16/16 01:54	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	121	1.61		03/17/16 03:23	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		03/16/16 01:54	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		03/16/16 01:54	79-00-5		
Trichloroethene	453	ug/m3	17.7	32.2		03/17/16 03:45	79-01-6		
Trichlorofluoromethane	2.1	ug/m3	1.8	1.61		03/16/16 01:54	75-69-4		
1,1,2-Trichlorotrifluoroethane	11.3	ug/m3	2.6	1.61		03/16/16 01:54	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/16/16 01:54	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.6	1.61		03/16/16 01:54	108-67-8		
Vinyl chloride	ND	ug/m3	0.42	1.61		03/16/16 01:54	75-01-4		
m&p-Xylene	ND	ug/m3	2.8	1.61		03/16/16 01:54	179601-23-1		
o-Xylene	ND	ug/m3	1.4	1.61		03/16/16 01:54	95-47-6		

Sample: VP-103_5_20160228		Lab ID: 10340119009		Collected: 02/28/16 10:52		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		ND	ug/m3	2.3	1.68		03/16/16 02:21	75-37-6	
Acetone		52.1	ug/m3	4.1	1.68		03/16/16 02:21	67-64-1	
Allyl chloride		ND	ug/m3	2.7	1.68		03/16/16 02:21	107-05-1	
Benzene		1.2	ug/m3	0.55	1.68		03/16/16 02:21	71-43-2	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Sample Project No.: 10340119

Sample: VP-103_5_20160228		Lab ID: 10340119009		Collected: 02/28/16 10:52		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/16/16 02:21	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/16/16 02:21	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/16/16 02:21	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/16/16 02:21	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/16/16 02:21	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/16/16 02:21	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/16/16 02:21	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/16/16 02:21	108-90-7		
Chlorodifluoromethane	61.7	ug/m3	1.2	1.68		03/16/16 02:21	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/16/16 02:21	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		03/16/16 02:21	67-66-3		
Chloromethane	1.6	ug/m3	0.71	1.68		03/16/16 02:21	74-87-3		
Chloropentafluoroethane	ND	ug/m3	32.4	1.68		03/16/16 02:21	76-15-3	IC	
Cyclohexane	1.2	ug/m3	1.2	1.68		03/16/16 02:21	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/16/16 02:21	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/16/16 02:21	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/16/16 02:21	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/16/16 02:21	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 02:21	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 02:21	106-46-7		
Dichlorodifluoromethane	3.5	ug/m3	1.7	1.68		03/16/16 02:21	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/16/16 02:21	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/16/16 02:21	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 02:21	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 02:21	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 02:21	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/16/16 02:21	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 02:21	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 02:21	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/16/16 02:21	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/16/16 02:21	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/16/16 02:21	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/16/16 02:21	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/16/16 02:21	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	5.0	2.25		03/16/16 23:36	87-68-3		
n-Hexane	42.2	ug/m3	1.2	1.68		03/16/16 02:21	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/16/16 02:21	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/16/16 02:21	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/16/16 02:21	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/16/16 02:21	108-87-2		
Methylene Chloride	296	ug/m3	5.9	1.68		03/16/16 02:21	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/16/16 02:21	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/16/16 02:21	1634-04-4		
2-Propanol	87.5	ug/m3	4.2	1.68		03/16/16 02:21	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/16/16 02:21	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/16/16 02:21	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.68		03/16/16 02:21	127-18-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_5_20160228		Lab ID: 10340119009		Collected: 02/28/16 10:52		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Toluene	8.1	ug/m3	1.3	1.68		03/16/16 02:21	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	170	2.25		03/16/16 23:36	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/16/16 02:21	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/16/16 02:21	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		03/16/16 02:21	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/16/16 02:21	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		03/16/16 02:21	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/16/16 02:21	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/16/16 02:21	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/16/16 02:21	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/16/16 02:21	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/16/16 02:21	95-47-6		

Sample: VP-103_10_20160228		Lab ID: 10340119010		Collected: 02/28/16 10:48		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/16/16 02:48	75-37-6		
Acetone	11.3	ug/m3	4.1	1.68		03/16/16 02:48	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/16/16 02:48	107-05-1		
Benzene	ND	ug/m3	0.55	1.68		03/16/16 02:48	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/16/16 02:48	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/16/16 02:48	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/16/16 02:48	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/16/16 02:48	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/16/16 02:48	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/16/16 02:48	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/16/16 02:48	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/16/16 02:48	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		03/16/16 02:48	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/16/16 02:48	75-00-3		
Chloroform	4.1	ug/m3	0.83	1.68		03/16/16 02:48	67-66-3		
Chloromethane	0.75	ug/m3	0.71	1.68		03/16/16 02:48	74-87-3		
Chloropentafluoroethane	ND	ug/m3	32.4	1.68		03/16/16 02:48	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.68		03/16/16 02:48	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/16/16 02:48	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/16/16 02:48	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/16/16 02:48	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/16/16 02:48	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 02:48	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 02:48	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.7	1.68		03/16/16 02:48	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/16/16 02:48	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/16/16 02:48	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 02:48	75-35-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_10_20160228		Lab ID: 10340119010		Collected: 02/28/16 10:48		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 02:48	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 02:48	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/16/16 02:48	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 02:48	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 02:48	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/16/16 02:48	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/16/16 02:48	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/16/16 02:48	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/16/16 02:48	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/16/16 02:48	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/16/16 20:30	87-68-3		
n-Hexane	ND	ug/m3	1.2	1.68		03/16/16 02:48	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/16/16 02:48	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/16/16 02:48	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/16/16 02:48	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/16/16 02:48	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/16/16 02:48	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/16/16 02:48	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/16/16 02:48	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/16/16 02:48	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/16/16 02:48	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/16/16 02:48	79-34-5		
Tetrachloroethene	2.9	ug/m3	1.2	1.68		03/16/16 02:48	127-18-4		
Toluene	2.6	ug/m3	1.3	1.68		03/16/16 02:48	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/16/16 20:30	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/16/16 02:48	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/16/16 02:48	79-00-5		
Trichloroethene	4.0	ug/m3	0.92	1.68		03/16/16 02:48	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/16/16 02:48	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		03/16/16 02:48	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/16/16 02:48	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/16/16 02:48	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/16/16 02:48	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/16/16 02:48	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/16/16 02:48	95-47-6		

Sample: VP-103_20_20160228		Lab ID: 10340119011		Collected: 02/28/16 10:35		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/16/16 03:16	75-37-6		
Acetone	25.5	ug/m3	4.2	1.75		03/16/16 03:16	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/16/16 03:16	107-05-1		
Benzene	1.4	ug/m3	0.57	1.75		03/16/16 03:16	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/16/16 03:16	75-27-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_20_20160228		Lab ID: 10340119011		Collected: 02/28/16 10:35		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromoform	ND	ug/m3	9.2	1.75		03/16/16 03:16	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/16/16 03:16	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/16/16 03:16	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/16/16 03:16	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/16/16 03:16	75-15-0		
Carbon tetrachloride	3.4	ug/m3	1.1	1.75		03/16/16 03:16	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 03:16	108-90-7		
Chlorodifluoromethane	120	ug/m3	1.3	1.75		03/16/16 03:16	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 03:16	75-00-3		
Chloroform	1.7	ug/m3	0.87	1.75		03/16/16 03:16	67-66-3		
Chloromethane	1.9	ug/m3	0.74	1.75		03/16/16 03:16	74-87-3		
Chloropentafluoroethane	ND	ug/m3	33.7	1.75		03/16/16 03:16	76-15-3	IC	
Cyclohexane	1.7	ug/m3	1.2	1.75		03/16/16 03:16	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 03:16	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 03:16	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 03:16	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 03:16	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 03:16	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 03:16	106-46-7		
Dichlorodifluoromethane	3.9	ug/m3	1.8	1.75		03/16/16 03:16	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 03:16	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 03:16	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 03:16	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 03:16	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 03:16	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 03:16	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 03:16	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 03:16	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 03:16	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 03:16	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 03:16	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 03:16	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 03:16	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	5.2	2.35		03/16/16 23:08	87-68-3		
n-Hexane	52.7	ug/m3	1.3	1.75		03/16/16 03:16	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 03:16	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 03:16	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 03:16	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 03:16	108-87-2		
Methylene Chloride	372	ug/m3	6.2	1.75		03/16/16 03:16	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 03:16	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 03:16	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/16/16 03:16	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 03:16	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 03:16	79-34-5		
Tetrachloroethene	15.7	ug/m3	1.2	1.75		03/16/16 03:16	127-18-4		
Toluene	13.4	ug/m3	1.3	1.75		03/16/16 03:16	108-88-3		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Sample Project No.: 10340119

Sample: VP-103_20_20160228		Lab ID: 10340119011		Collected: 02/28/16 10:35		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2,4-Trichlorobenzene	ND	ug/m3	177	2.35		03/16/16 23:08	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 03:16	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/16/16 03:16	79-00-5		
Trichloroethene	48.7	ug/m3	0.96	1.75		03/16/16 03:16	79-01-6		
Trichlorofluoromethane	2.5	ug/m3	2.0	1.75		03/16/16 03:16	75-69-4		
1,1,2-Trichlorotrifluoroethane	2.9	ug/m3	2.8	1.75		03/16/16 03:16	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 03:16	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 03:16	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/16/16 03:16	75-01-4		
m&p-Xylene	3.8	ug/m3	3.1	1.75		03/16/16 03:16	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/16/16 03:16	95-47-6		

Sample: VP-103_30_20160228		Lab ID: 10340119012		Collected: 02/28/16 10:34		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/16/16 03:44	75-37-6		
Acetone	23.9	ug/m3	4.2	1.75		03/16/16 03:44	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/16/16 03:44	107-05-1		
Benzene	0.90	ug/m3	0.57	1.75		03/16/16 03:44	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/16/16 03:44	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/16/16 03:44	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/16/16 03:44	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/16/16 03:44	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/16/16 03:44	78-93-3		
Carbon disulfide	2.7	ug/m3	1.1	1.75		03/16/16 03:44	75-15-0		
Carbon tetrachloride	7.3	ug/m3	1.1	1.75		03/16/16 03:44	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 03:44	108-90-7		
Chlorodifluoromethane	108	ug/m3	1.3	1.75		03/16/16 03:44	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 03:44	75-00-3		
Chloroform	5.0	ug/m3	0.87	1.75		03/16/16 03:44	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/16/16 03:44	74-87-3		
Chloropentafluoroethane	ND	ug/m3	33.7	1.75		03/16/16 03:44	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.75		03/16/16 03:44	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 03:44	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 03:44	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 03:44	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 03:44	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 03:44	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 03:44	106-46-7		
Dichlorodifluoromethane	3.2	ug/m3	1.8	1.75		03/16/16 03:44	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 03:44	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 03:44	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 03:44	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 03:44	156-59-2		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_30_20160228		Lab ID: 10340119012		Collected: 02/28/16 10:34		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 03:44	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 03:44	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 03:44	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 03:44	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 03:44	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 03:44	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 03:44	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 03:44	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 03:44	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	5.2	2.35		03/16/16 19:35	87-68-3		
n-Hexane	28.2	ug/m3	1.3	1.75		03/16/16 03:44	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 03:44	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 03:44	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 03:44	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 03:44	108-87-2		
Methylene Chloride	206	ug/m3	6.2	1.75		03/16/16 03:44	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 03:44	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 03:44	1634-04-4		
2-Propanol	15.6	ug/m3	4.4	1.75		03/16/16 03:44	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 03:44	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 03:44	79-34-5		
Tetrachloroethene	97.3	ug/m3	1.2	1.75		03/16/16 03:44	127-18-4		
Toluene	8.3	ug/m3	1.3	1.75		03/16/16 03:44	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	177	2.35		03/16/16 19:35	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 03:44	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/16/16 03:44	79-00-5		
Trichloroethene	264	ug/m3	0.96	1.75		03/16/16 03:44	79-01-6		
Trichlorofluoromethane	3.7	ug/m3	2.0	1.75		03/16/16 03:44	75-69-4		
1,1,2-Trichlorotrifluoroethane	9.7	ug/m3	2.8	1.75		03/16/16 03:44	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 03:44	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 03:44	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/16/16 03:44	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/16/16 03:44	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/16/16 03:44	95-47-6		

Sample: VP-103_40_20160228		Lab ID: 10340119013		Collected: 02/28/16 10:26		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/16/16 04:11	75-37-6		
Acetone	23.1	ug/m3	4.2	1.75		03/16/16 04:11	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/16/16 04:11	107-05-1		
Benzene	0.81	ug/m3	0.57	1.75		03/16/16 04:11	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/16/16 04:11	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/16/16 04:11	75-25-2		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_40_20160228		Lab ID: 10340119013		Collected: 02/28/16 10:26		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Bromomethane	ND	ug/m3	1.4	1.75		03/16/16 04:11	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/16/16 04:11	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/16/16 04:11	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/16/16 04:11	75-15-0		
Carbon tetrachloride	7.3	ug/m3	1.1	1.75		03/16/16 04:11	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 04:11	108-90-7		
Chlorodifluoromethane	100	ug/m3	1.3	1.75		03/16/16 04:11	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 04:11	75-00-3		
Chloroform	5.0	ug/m3	0.87	1.75		03/16/16 04:11	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/16/16 04:11	74-87-3		
Chloropentafluoroethane	ND	ug/m3	33.7	1.75		03/16/16 04:11	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.75		03/16/16 04:11	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 04:11	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 04:11	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 04:11	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 04:11	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 04:11	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 04:11	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.75		03/16/16 04:11	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 04:11	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 04:11	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 04:11	75-35-4		
cis-1,2-Dichloroethene	2.4	ug/m3	1.4	1.75		03/16/16 04:11	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 04:11	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 04:11	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 04:11	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 04:11	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 04:11	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 04:11	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 04:11	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 04:11	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 04:11	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	5.2	2.35		03/17/16 00:03	87-68-3		
n-Hexane	27.5	ug/m3	1.3	1.75		03/16/16 04:11	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 04:11	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 04:11	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 04:11	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 04:11	108-87-2		
Methylene Chloride	215	ug/m3	6.2	1.75		03/16/16 04:11	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 04:11	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 04:11	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/16/16 04:11	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 04:11	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 04:11	79-34-5		
Tetrachloroethene	125	ug/m3	1.2	1.75		03/16/16 04:11	127-18-4		
Toluene	7.8	ug/m3	1.3	1.75		03/16/16 04:11	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	177	2.35		03/17/16 00:03	120-82-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Sample Project No.: 10340119

Sample: VP-103_40_20160228		Lab ID: 10340119013		Collected: 02/28/16 10:26		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 04:11	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/16/16 04:11	79-00-5		
Trichloroethene	395	ug/m3	5.2	9.38		03/17/16 00:26	79-01-6		
Trichlorofluoromethane	3.9	ug/m3	2.0	1.75		03/16/16 04:11	75-69-4		
1,1,2-Trichlorotrifluoroethane	9.9	ug/m3	2.8	1.75		03/16/16 04:11	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 04:11	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 04:11	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/16/16 04:11	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/16/16 04:11	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/16/16 04:11	95-47-6		

Sample: VP-103_50_20160228		Lab ID: 10340119014		Collected: 02/28/16 10:44		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/16/16 04:39	75-37-6		
Acetone	25.7	ug/m3	4.1	1.68		03/16/16 04:39	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/16/16 04:39	107-05-1		
Benzene	0.90	ug/m3	0.55	1.68		03/16/16 04:39	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/16/16 04:39	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/16/16 04:39	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/16/16 04:39	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/16/16 04:39	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/16/16 04:39	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/16/16 04:39	75-15-0		
Carbon tetrachloride	2.0	ug/m3	1.1	1.68		03/16/16 04:39	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/16/16 04:39	108-90-7		
Chlorodifluoromethane	100	ug/m3	1.2	1.68		03/16/16 04:39	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/16/16 04:39	75-00-3		
Chloroform	2.7	ug/m3	0.83	1.68		03/16/16 04:39	67-66-3		
Chloromethane	1.9	ug/m3	0.71	1.68		03/16/16 04:39	74-87-3		
Chloropentafluoroethane	ND	ug/m3	32.4	1.68		03/16/16 04:39	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.68		03/16/16 04:39	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/16/16 04:39	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/16/16 04:39	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/16/16 04:39	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/16/16 04:39	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 04:39	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 04:39	106-46-7		
Dichlorodifluoromethane	3.1	ug/m3	1.7	1.68		03/16/16 04:39	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/16/16 04:39	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/16/16 04:39	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 04:39	75-35-4		
cis-1,2-Dichloroethene	2.2	ug/m3	1.4	1.68		03/16/16 04:39	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 04:39	156-60-5		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_50_20160228		Lab ID: 10340119014		Collected: 02/28/16 10:44		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/16/16 04:39	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 04:39	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 04:39	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/16/16 04:39	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/16/16 04:39	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/16/16 04:39	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/16/16 04:39	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/16/16 04:39	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	5.0	2.25		03/16/16 22:40	87-68-3		
n-Hexane	32.2	ug/m3	1.2	1.68		03/16/16 04:39	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/16/16 04:39	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/16/16 04:39	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/16/16 04:39	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/16/16 04:39	108-87-2		
Methylene Chloride	45.8	ug/m3	7.9	2.25		03/16/16 22:40	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/16/16 04:39	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/16/16 04:39	1634-04-4		
2-Propanol	ND	ug/m3	4.2	1.68		03/16/16 04:39	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/16/16 04:39	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/16/16 04:39	79-34-5		
Tetrachloroethene	91.3	ug/m3	1.2	1.68		03/16/16 04:39	127-18-4		
Toluene	7.9	ug/m3	1.3	1.68		03/16/16 04:39	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	170	2.25		03/16/16 22:40	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/16/16 04:39	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/16/16 04:39	79-00-5		
Trichloroethene	222	ug/m3	0.92	1.68		03/16/16 04:39	79-01-6		
Trichlorofluoromethane	3.0	ug/m3	1.9	1.68		03/16/16 04:39	75-69-4		
1,1,2-Trichlorotrifluoroethane	5.4	ug/m3	2.7	1.68		03/16/16 04:39	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/16/16 04:39	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/16/16 04:39	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/16/16 04:39	75-01-4		
m&p-Xylene	ND	ug/m3	3.0	1.68		03/16/16 04:39	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.68		03/16/16 04:39	95-47-6		

Sample: VP-103_61.5_20160228		Lab ID: 10340119015		Collected: 02/28/16 10:41		Received: 03/01/16 10:20		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15								
1,1-Difluoroethane		ND	ug/m3	2.4	1.75			03/16/16 05:07	75-37-6	
Acetone		13.4	ug/m3	4.2	1.75			03/16/16 05:07	67-64-1	
Allyl chloride		ND	ug/m3	2.8	1.75			03/16/16 05:07	107-05-1	
Benzene		ND	ug/m3	0.57	1.75			03/16/16 05:07	71-43-2	
Bromodichloromethane		ND	ug/m3	2.4	1.75			03/16/16 05:07	75-27-4	
Bromoform		ND	ug/m3	9.2	1.75			03/16/16 05:07	75-25-2	
Bromomethane		ND	ug/m3	1.4	1.75			03/16/16 05:07	74-83-9	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_61.5_20160228		Lab ID: 10340119015		Collected: 02/28/16 10:41		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/16/16 05:07	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/16/16 05:07	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/16/16 05:07	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/16/16 05:07	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 05:07	108-90-7		
Chlorodifluoromethane	58.8	ug/m3	1.3	1.75		03/16/16 05:07	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 05:07	75-00-3		
Chloroform	3.5	ug/m3	0.87	1.75		03/16/16 05:07	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/16/16 05:07	74-87-3		
Chloropentafluoroethane	ND	ug/m3	33.7	1.75		03/16/16 05:07	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.75		03/16/16 05:07	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 05:07	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 05:07	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 05:07	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 05:07	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 05:07	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 05:07	106-46-7		
Dichlorodifluoromethane	2.7	ug/m3	1.8	1.75		03/16/16 05:07	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 05:07	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 05:07	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 05:07	75-35-4		
cis-1,2-Dichloroethene	6.5	ug/m3	1.4	1.75		03/16/16 05:07	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 05:07	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 05:07	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 05:07	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 05:07	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 05:07	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 05:07	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 05:07	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 05:07	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 05:07	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	5.2	2.35		03/17/16 05:02	87-68-3		
n-Hexane	8.4	ug/m3	1.3	1.75		03/16/16 05:07	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 05:07	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 05:07	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 05:07	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 05:07	108-87-2		
Methylene Chloride	67.8	ug/m3	6.2	1.75		03/16/16 05:07	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 05:07	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 05:07	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/16/16 05:07	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 05:07	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 05:07	79-34-5		
Tetrachloroethene	180	ug/m3	32.3	46.9		03/17/16 05:24	127-18-4		
Toluene	3.7	ug/m3	1.3	1.75		03/16/16 05:07	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	177	2.35		03/17/16 05:02	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 05:07	71-55-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_61.5_20160228		Lab ID: 10340119015		Collected: 02/28/16 10:41		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1,2-Trichloroethane		ND	ug/m3	0.96	1.75		03/16/16 05:07	79-00-5	
Trichloroethene		305	ug/m3	25.8	46.9		03/17/16 05:24	79-01-6	
Trichlorofluoromethane		2.8	ug/m3	2.0	1.75		03/16/16 05:07	75-69-4	
1,1,2-Trichlorotrifluoroethane		13.4	ug/m3	2.8	1.75		03/16/16 05:07	76-13-1	
1,2,4-Trimethylbenzene		ND	ug/m3	1.7	1.75		03/16/16 05:07	95-63-6	
1,3,5-Trimethylbenzene		ND	ug/m3	1.7	1.75		03/16/16 05:07	108-67-8	
Vinyl chloride		ND	ug/m3	0.46	1.75		03/16/16 05:07	75-01-4	
m&p-Xylene		ND	ug/m3	3.1	1.75		03/16/16 05:07	179601-23-1	
o-Xylene		ND	ug/m3	1.5	1.75		03/16/16 05:07	95-47-6	

Sample: VP-103_74.5_20160228		Lab ID: 10340119016		Collected: 02/28/16 11:28		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/16/16 05:34	75-37-6		
Acetone	31.6	ug/m3	4.2	1.75		03/16/16 05:34	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/16/16 05:34	107-05-1		
Benzene	ND	ug/m3	0.57	1.75		03/16/16 05:34	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/16/16 05:34	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/16/16 05:34	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/16/16 05:34	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/16/16 05:34	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/16/16 05:34	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/16/16 05:34	75-15-0		
Carbon tetrachloride	2.8	ug/m3	1.1	1.75		03/16/16 05:34	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 05:34	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/16/16 05:34	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 05:34	75-00-3		
Chloroform	5.5	ug/m3	0.87	1.75		03/16/16 05:34	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/16/16 05:34	74-87-3		
Chloropentafluoroethane	ND	ug/m3	33.7	1.75		03/16/16 05:34	76-15-3	IC	
Cyclohexane	ND	ug/m3	1.2	1.75		03/16/16 05:34	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 05:34	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 05:34	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 05:34	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 05:34	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 05:34	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 05:34	106-46-7		
Dichlorodifluoromethane	2.6	ug/m3	1.8	1.75		03/16/16 05:34	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 05:34	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 05:34	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 05:34	75-35-4		
cis-1,2-Dichloroethene	3.3	ug/m3	1.4	1.75		03/16/16 05:34	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 05:34	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 05:34	78-87-5		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: VP-103_74.5_20160228		Lab ID: 10340119016		Collected: 02/28/16 11:28		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 05:34	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 05:34	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 05:34	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 05:34	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 05:34	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 05:34	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 05:34	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/17/16 00:53	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/16/16 05:34	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 05:34	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 05:34	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 05:34	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 05:34	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/16/16 05:34	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 05:34	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 05:34	1634-04-4		
2-Propanol	42.2	ug/m3	4.4	1.75		03/16/16 05:34	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 05:34	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 05:34	79-34-5		
Tetrachloroethene	201	ug/m3	1.2	1.75		03/16/16 05:34	127-18-4		
Toluene	3.2	ug/m3	1.3	1.75		03/16/16 05:34	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/17/16 00:53	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 05:34	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/16/16 05:34	79-00-5		
Trichloroethene	333	ug/m3	9.6	17.5		03/17/16 01:15	79-01-6		
Trichlorofluoromethane	4.1	ug/m3	2.0	1.75		03/16/16 05:34	75-69-4		
1,1,2-Trichlorotrifluoroethane	11.1	ug/m3	2.8	1.75		03/16/16 05:34	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 05:34	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 05:34	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/16/16 05:34	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/16/16 05:34	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/16/16 05:34	95-47-6		

Sample: LIJ-WP-7_5_20160228		Lab ID: 10340119017		Collected: 02/28/16 11:33		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.4	1.75		03/16/16 06:00	75-37-6		
Acetone	13.7	ug/m3	4.2	1.75		03/16/16 06:00	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/16/16 06:00	107-05-1		
Benzene	1.1	ug/m3	0.57	1.75		03/16/16 06:00	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/16/16 06:00	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/16/16 06:00	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/16/16 06:00	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/16/16 06:00	106-99-0		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_5_20160228		Lab ID: 10340119017		Collected: 02/28/16 11:33		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/16/16 06:00	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/16/16 06:00	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/16/16 06:00	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 06:00	108-90-7		
Chlorodifluoromethane	11.3	ug/m3	1.3	1.75		03/16/16 06:00	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 06:00	75-00-3		
Chloroform	ND	ug/m3	0.87	1.75		03/16/16 06:00	67-66-3		
Chloromethane	0.99	ug/m3	0.74	1.75		03/16/16 06:00	74-87-3		
Chloropentafluoroethane	ND	ug/m3	33.7	1.75		03/16/16 06:00	76-15-3	IC	
Cyclohexane	1.3	ug/m3	1.2	1.75		03/16/16 06:00	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 06:00	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 06:00	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 06:00	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 06:00	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 06:00	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/16/16 06:00	106-46-7		
Dichlorodifluoromethane	2.8	ug/m3	1.8	1.75		03/16/16 06:00	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 06:00	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 06:00	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 06:00	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 06:00	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 06:00	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 06:00	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 06:00	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 06:00	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 06:00	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 06:00	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 06:00	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 06:00	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 06:00	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/16/16 22:13	87-68-3		
n-Hexane	2.0	ug/m3	1.3	1.75		03/16/16 06:00	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 06:00	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 06:00	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 06:00	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 06:00	108-87-2		
Methylene Chloride	16.5	ug/m3	6.2	1.75		03/16/16 06:00	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 06:00	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 06:00	1634-04-4		
2-Propanol	6.1	ug/m3	4.4	1.75		03/16/16 06:00	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 06:00	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 06:00	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/16/16 06:00	127-18-4		
Toluene	10.9	ug/m3	1.3	1.75		03/16/16 06:00	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/16/16 22:13	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 06:00	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/16/16 06:00	79-00-5		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_5_20160228		Lab ID: 10340119017		Collected: 02/28/16 11:33		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Trichloroethene	ND	ug/m3	0.96	1.75		03/16/16 22:13	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/16/16 06:00	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/16/16 06:00	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 06:00	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 06:00	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/16/16 06:00	75-01-4		
m&p-Xylene	6.7	ug/m3	3.1	1.75		03/16/16 06:00	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/16/16 06:00	95-47-6		

Sample: LIJ-WP-7_5_20160228DUP		Lab ID: 10340119018		Collected: 02/28/16 11:41		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.3	1.68		03/16/16 06:49	75-37-6		
Acetone	27.5	ug/m3	4.1	1.68		03/16/16 06:49	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/16/16 06:49	107-05-1		
Benzene	1.3	ug/m3	0.55	1.68		03/16/16 06:49	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/16/16 06:49	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/16/16 06:49	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/16/16 06:49	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/16/16 06:49	106-99-0		
2-Butanone (MEK)	8.3	ug/m3	5.0	1.68		03/16/16 06:49	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/16/16 06:49	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/16/16 06:49	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/16/16 06:49	108-90-7		
Chlorodifluoromethane	11.2	ug/m3	1.2	1.68		03/16/16 06:49	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/16/16 06:49	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		03/16/16 06:49	67-66-3		
Chloromethane	1.1	ug/m3	0.71	1.68		03/16/16 06:49	74-87-3		
Chloropentafluoroethane	ND	ug/m3	32.4	1.68		03/16/16 06:49	76-15-3	IC	
Cyclohexane	1.3	ug/m3	1.2	1.68		03/16/16 06:49	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/16/16 06:49	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/16/16 06:49	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/16/16 06:49	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/16/16 06:49	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 06:49	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/16/16 06:49	106-46-7		
Dichlorodifluoromethane	2.8	ug/m3	1.7	1.68		03/16/16 06:49	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/16/16 06:49	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/16/16 06:49	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 06:49	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 06:49	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 06:49	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/16/16 06:49	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 06:49	10061-01-5		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_5_20160228DUP		Lab ID: 10340119018		Collected: 02/28/16 11:41		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 06:49	10061-02-6	SS	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/16/16 06:49	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/16/16 06:49	306-83-2		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/16/16 06:49	123-91-1		
Ethylbenzene	1.8	ug/m3	1.5	1.68		03/16/16 06:49	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/16/16 06:49	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/16/16 21:46	87-68-3		
n-Hexane	2.7	ug/m3	1.2	1.68		03/16/16 06:49	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/16/16 06:49	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/16/16 06:49	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/16/16 06:49	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/16/16 06:49	108-87-2		
Methylene Chloride	15.1	ug/m3	5.9	1.68		03/16/16 06:49	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/16/16 06:49	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/16/16 06:49	1634-04-4		
2-Propanol	10.7	ug/m3	4.2	1.68		03/16/16 06:49	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/16/16 06:49	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/16/16 06:49	79-34-5		
Tetrachloroethene	1.8	ug/m3	1.2	1.68		03/16/16 06:49	127-18-4		
Toluene	3.6	ug/m3	1.3	1.68		03/16/16 06:49	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/16/16 21:46	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/16/16 06:49	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/16/16 06:49	79-00-5		
Trichloroethene	2.0	ug/m3	0.92	1.68		03/16/16 06:49	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/16/16 06:49	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		03/16/16 06:49	76-13-1		
1,2,4-Trimethylbenzene	2.1	ug/m3	1.7	1.68		03/16/16 06:49	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/16/16 06:49	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/16/16 06:49	75-01-4		
m&p-Xylene	7.3	ug/m3	3.0	1.68		03/16/16 06:49	179601-23-1		
o-Xylene	2.0	ug/m3	1.5	1.68		03/16/16 06:49	95-47-6		

Sample: LIJ-WP-7_10_20160228		Lab ID: 10340119019		Collected: 02/28/16 11:40		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane		7.8	ug/m3	2.3	1.68		03/16/16 17:18	75-37-6	
Acetone		46.0	ug/m3	4.1	1.68		03/16/16 17:18	67-64-1	
Allyl chloride		ND	ug/m3	2.7	1.68		03/16/16 17:18	107-05-1	
Benzene		ND	ug/m3	0.55	1.68		03/16/16 17:18	71-43-2	
Bromodichloromethane		ND	ug/m3	2.3	1.68		03/16/16 17:18	75-27-4	
Bromoform		ND	ug/m3	89.5	1.68		03/16/16 17:18	75-25-2	
Bromomethane		ND	ug/m3	1.3	1.68		03/16/16 17:18	74-83-9	
1,3-Butadiene		ND	ug/m3	0.76	1.68		03/16/16 17:18	106-99-0	
2-Butanone (MEK)		ND	ug/m3	5.0	1.68		03/16/16 17:18	78-93-3	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_10_20160228		Lab ID: 10340119019		Collected: 02/28/16 11:40		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Carbon disulfide	ND	ug/m3	1.1	1.68		03/16/16 17:18	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/16/16 17:18	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/16/16 17:18	108-90-7		
Chlorodifluoromethane	23.0	ug/m3	1.2	1.68		03/16/16 17:18	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/16/16 17:18	75-00-3		
Chloroform	ND	ug/m3	0.83	1.68		03/17/16 15:20	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/16/16 17:18	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/16/16 17:18	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.68		03/16/16 17:18	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/16/16 17:18	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/16/16 17:18	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/16/16 17:18	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.1	1.68		03/16/16 17:18	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.4	1.68		03/16/16 17:18	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	8.8	1.68		03/16/16 17:18	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.7	1.68		03/16/16 17:18	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/16/16 17:18	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/16/16 17:18	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 17:18	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/17/16 15:20	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/16/16 17:18	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/16/16 17:18	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 17:18	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/16/16 17:18	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/16/16 17:18	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/16/16 17:18	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/16/16 17:18	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/16/16 17:18	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/16/16 17:18	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/16/16 17:18	87-68-3		
n-Hexane	1.4	ug/m3	1.2	1.68		03/16/16 17:18	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/16/16 17:18	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/16/16 17:18	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/16/16 17:18	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/16/16 17:18	108-87-2		
Methylene Chloride	21.4	ug/m3	5.9	1.68		03/16/16 17:18	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/16/16 17:18	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/16/16 17:18	1634-04-4		
2-Propanol	8.3	ug/m3	4.2	1.68		03/16/16 17:18	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/16/16 17:18	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/16/16 17:18	79-34-5		
Tetrachloroethene	47.0	ug/m3	1.2	1.68		03/17/16 15:20	127-18-4		
Toluene	14.3	ug/m3	1.3	1.68		03/16/16 17:18	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	127	1.68		03/16/16 17:18	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/16/16 17:18	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/17/16 15:20	79-00-5		
Trichloroethene	28.6	ug/m3	0.92	1.68		03/17/16 15:20	79-01-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_10_20160228		Lab ID: 10340119019		Collected: 02/28/16 11:40		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Trichlorofluoromethane		ND	ug/m3	1.9	1.68		03/16/16 17:18	75-69-4	
1,1,2-Trichlorotrifluoroethane		2.9	ug/m3	2.7	1.68		03/16/16 17:18	76-13-1	
1,2,4-Trimethylbenzene		ND	ug/m3	1.7	1.68		03/16/16 17:18	95-63-6	
1,3,5-Trimethylbenzene		ND	ug/m3	1.7	1.68		03/16/16 17:18	108-67-8	
Vinyl chloride		ND	ug/m3	0.44	1.68		03/16/16 17:18	75-01-4	
m&p-Xylene		ND	ug/m3	3.0	1.68		03/16/16 17:18	179601-23-1	
o-Xylene		ND	ug/m3	1.5	1.68		03/16/16 17:18	95-47-6	

Sample: LIJ-WP-7_20_20160228		Lab ID: 10340119020		Collected: 02/28/16 11:32		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	22.8	ug/m3	2.4	1.75		03/16/16 17:45	75-37-6	CL,IC,L2	
Acetone	ND	ug/m3	4.2	1.75		03/16/16 17:45	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/16/16 17:45	107-05-1		
Benzene	0.78	ug/m3	0.57	1.75		03/16/16 17:45	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/16/16 17:45	75-27-4		
Bromoform	ND	ug/m3	93.2	1.75		03/16/16 17:45	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/16/16 17:45	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/16/16 17:45	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/16/16 17:45	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/16/16 17:45	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/16/16 17:45	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 17:45	108-90-7		
Chlorodifluoromethane	67.8	ug/m3	1.3	1.75		03/16/16 17:45	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 17:45	75-00-3		
Chloroform	14.6	ug/m3	0.87	1.75		03/16/16 17:45	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/16/16 17:45	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/16/16 17:45	76-15-3		
Cyclohexane	ND	ug/m3	1.2	1.75		03/16/16 17:45	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 17:45	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 17:45	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 17:45	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 17:45	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.6	1.75		03/16/16 17:45	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	9.2	1.75		03/16/16 17:45	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.75		03/16/16 17:45	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 17:45	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 17:45	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 17:45	75-35-4		
cis-1,2-Dichloroethene	197	ug/m3	1.4	1.75		03/16/16 17:45	156-59-2		
trans-1,2-Dichloroethene	5.1	ug/m3	1.4	1.75		03/16/16 17:45	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 17:45	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 17:45	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 17:45	10061-02-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_20_20160228		Lab ID: 10340119020		Collected: 02/28/16 11:32		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 17:45	76-14-2	SS	
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 17:45	306-83-2		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 17:45	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 17:45	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 17:45	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/16/16 17:45	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/16/16 17:45	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 17:45	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 17:45	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 17:45	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 17:45	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/16/16 17:45	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 17:45	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 17:45	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/16/16 17:45	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 17:45	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 17:45	79-34-5		
Tetrachloroethene	5170	ug/m3	24.1	35		03/17/16 15:43	127-18-4		
Toluene	1.6	ug/m3	1.3	1.75		03/16/16 17:45	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/16/16 17:45	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 17:45	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/16/16 17:45	79-00-5		
Trichloroethene	4510	ug/m3	19.2	35		03/17/16 15:43	79-01-6		
Trichlorofluoromethane	2.6	ug/m3	2.0	1.75		03/16/16 17:45	75-69-4		
1,1,2-Trichlorotrifluoroethane	130	ug/m3	2.8	1.75		03/16/16 17:45	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 17:45	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 17:45	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/16/16 17:45	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/16/16 17:45	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/16/16 17:45	95-47-6		

Sample: LIJ-WP-7_30_20160228		Lab ID: 10340119021		Collected: 02/28/16 11:30		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	46.8	ug/m3	2.4	1.75			03/16/16 15:56	75-37-6	
Acetone	ND	ug/m3	4.2	1.75			03/16/16 15:56	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75			03/16/16 15:56	107-05-1	
Benzene	18.2	ug/m3	0.57	1.75			03/16/16 15:56	71-43-2	
Bromodichloromethane	ND	ug/m3	2.4	1.75			03/16/16 15:56	75-27-4	
Bromoform	ND	ug/m3	93.2	1.75			03/16/16 15:56	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75			03/16/16 15:56	74-83-9	
1,3-Butadiene	0.86	ug/m3	0.79	1.75			03/16/16 15:56	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75			03/16/16 15:56	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.75			03/16/16 15:56	75-15-0	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_30_20160228		Lab ID: 10340119021		Collected: 02/28/16 11:30		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Carbon tetrachloride	8.8	ug/m3	1.1	1.75		03/16/16 15:56	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 15:56	108-90-7		
Chlorodifluoromethane	145	ug/m3	1.3	1.75		03/16/16 15:56	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 15:56	75-00-3		
Chloroform	472	ug/m3	0.87	1.75		03/16/16 15:56	67-66-3	E	
Chloromethane	ND	ug/m3	0.74	1.75		03/16/16 15:56	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/16/16 15:56	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.75		03/16/16 15:56	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 15:56	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 15:56	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 15:56	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 15:56	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.6	1.75		03/16/16 15:56	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	9.2	1.75		03/16/16 15:56	106-46-7		
Dichlorodifluoromethane	4.1	ug/m3	1.8	1.75		03/16/16 15:56	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 15:56	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 15:56	107-06-2		
1,1-Dichloroethene	18.8	ug/m3	1.4	1.75		03/16/16 15:56	75-35-4		
cis-1,2-Dichloroethene	3570	ug/m3	1.4	1.75		03/16/16 15:56	156-59-2	E	
trans-1,2-Dichloroethene	189	ug/m3	1.4	1.75		03/16/16 15:56	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 15:56	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 15:56	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 15:56	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 15:56	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 15:56	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 15:56	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 15:56	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 15:56	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/16/16 15:56	87-68-3		
n-Hexane	2.9	ug/m3	1.3	1.75		03/16/16 15:56	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 15:56	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 15:56	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 15:56	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 15:56	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/16/16 15:56	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 15:56	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 15:56	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/16/16 15:56	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 15:56	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 15:56	79-34-5		
Tetrachloroethene	1360	ug/m3	257	373		03/17/16 16:30	127-18-4	A3	
Toluene	ND	ug/m3	1.3	1.75		03/16/16 15:56	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/16/16 15:56	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 15:56	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/16/16 15:56	79-00-5		
Trichloroethene	2100	ug/m3	205	373		03/17/16 16:30	79-01-6	A3	
Trichlorofluoromethane	38.6	ug/m3	2.0	1.75		03/16/16 15:56	75-69-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_30_20160228		Lab ID: 10340119021	Collected: 02/28/16 11:30		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,2-Trichlorotrifluoroethane	1430	ug/m3	2.8	1.75		03/16/16 15:56	76-13-1	E
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 15:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 15:56	108-67-8	
Vinyl chloride	ND	ug/m3	0.46	1.75		03/16/16 15:56	75-01-4	
m&p-Xylene	ND	ug/m3	3.1	1.75		03/16/16 15:56	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.75		03/16/16 15:56	95-47-6	

Sample: LIJ-WP-7_40_20160228		Lab ID: 10340119022	Collected: 02/28/16 11:36		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	13.9	ug/m3	2.4	1.75		03/16/16 16:24	75-37-6	
Acetone	12.3	ug/m3	4.2	1.75		03/16/16 16:24	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75		03/16/16 16:24	107-05-1	
Benzene	2.4	ug/m3	0.57	1.75		03/16/16 16:24	71-43-2	
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/16/16 16:24	75-27-4	
Bromoform	ND	ug/m3	93.2	1.75		03/16/16 16:24	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75		03/16/16 16:24	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/16/16 16:24	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/16/16 16:24	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.75		03/16/16 16:24	75-15-0	
Carbon tetrachloride	2.2	ug/m3	1.1	1.75		03/16/16 16:24	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 16:24	108-90-7	
Chlorodifluoromethane	41.2	ug/m3	1.3	1.75		03/16/16 16:24	75-45-6	
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 16:24	75-00-3	
Chloroform	133	ug/m3	17.4	35		03/17/16 13:35	67-66-3	
Chloromethane	ND	ug/m3	0.74	1.75		03/16/16 16:24	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/16/16 16:24	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.2	1.75		03/16/16 16:24	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 16:24	96-12-8	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 16:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 16:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 16:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	4.6	1.75		03/16/16 16:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	9.2	1.75		03/16/16 16:24	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.8	1.75		03/16/16 16:24	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 16:24	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 16:24	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 16:24	75-35-4	
cis-1,2-Dichloroethene	3330	ug/m3	28.4	35		03/17/16 13:35	156-59-2	
trans-1,2-Dichloroethene	43.6	ug/m3	1.4	1.75		03/16/16 16:24	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 16:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 16:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 16:24	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 16:24	76-14-2	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_40_20160228		Lab ID: 10340119022		Collected: 02/28/16 11:36		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 16:24	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 16:24	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 16:24	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 16:24	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/16/16 16:24	87-68-3		
n-Hexane	2.9	ug/m3	1.3	1.75		03/16/16 16:24	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 16:24	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 16:24	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 16:24	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 16:24	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/16/16 16:24	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 16:24	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 16:24	1634-04-4		
2-Propanol	ND	ug/m3	4.4	1.75		03/16/16 16:24	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 16:24	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 16:24	79-34-5		
Tetrachloroethene	7500	ug/m3	24.1	35		03/17/16 13:35	127-18-4		
Toluene	2.5	ug/m3	1.3	1.75		03/16/16 16:24	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/16/16 16:24	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/16/16 16:24	71-55-6		
1,1,2-Trichloroethane	9.3	ug/m3	0.96	1.75		03/16/16 16:24	79-00-5		
Trichloroethene	11800	ug/m3	19.2	35		03/17/16 13:35	79-01-6	E	
Trichlorofluoromethane	3.0	ug/m3	2.0	1.75		03/16/16 16:24	75-69-4		
1,1,2-Trichlorotrifluoroethane	28.3	ug/m3	2.8	1.75		03/16/16 16:24	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 16:24	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/16/16 16:24	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/16/16 16:24	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/16/16 16:24	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/16/16 16:24	95-47-6		

Sample: LIJ-WP-7_50_20160228		Lab ID: 10340119023		Collected: 02/28/16 11:34		Received: 03/01/16 10:20		Matrix: Air		
Parameters		Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15								
1,1-Difluoroethane		9.3	ug/m3	2.4	1.75			03/16/16 16:50	75-37-6	
Acetone		ND	ug/m3	4.2	1.75			03/16/16 16:50	67-64-1	
Allyl chloride		ND	ug/m3	2.8	1.75			03/16/16 16:50	107-05-1	
Benzene		ND	ug/m3	0.57	1.75			03/16/16 16:50	71-43-2	
Bromodichloromethane		21.0	ug/m3	2.4	1.75			03/16/16 16:50	75-27-4	
Bromoform		ND	ug/m3	93.2	1.75			03/16/16 16:50	75-25-2	
Bromomethane		ND	ug/m3	1.4	1.75			03/16/16 16:50	74-83-9	
1,3-Butadiene		ND	ug/m3	0.79	1.75			03/16/16 16:50	106-99-0	
2-Butanone (MEK)		ND	ug/m3	5.2	1.75			03/16/16 16:50	78-93-3	
Carbon disulfide		ND	ug/m3	1.1	1.75			03/16/16 16:50	75-15-0	
Carbon tetrachloride		1.7	ug/m3	1.1	1.75			03/16/16 16:50	56-23-5	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_50_20160228		Lab ID: 10340119023		Collected: 02/28/16 11:34		Received: 03/01/16 10:20		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Chlorobenzene	ND	ug/m3	1.6	1.75		03/16/16 16:50	108-90-7		
Chlorodifluoromethane	33.8	ug/m3	1.3	1.75		03/16/16 16:50	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/16/16 16:50	75-00-3		
Chloroform	32.9	ug/m3	0.87	1.75		03/16/16 16:50	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/16/16 16:50	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/16/16 16:50	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.75		03/16/16 16:50	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/16/16 16:50	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/16/16 16:50	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/16/16 16:50	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	5.3	1.75		03/16/16 16:50	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	4.6	1.75		03/16/16 16:50	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	9.2	1.75		03/16/16 16:50	106-46-7		
Dichlorodifluoromethane	1.8	ug/m3	1.8	1.75		03/16/16 16:50	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/16/16 16:50	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/16/16 16:50	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/16/16 16:50	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	28.4	35		03/17/16 13:58	156-59-2		
trans-1,2-Dichloroethene	3.2	ug/m3	1.4	1.75		03/16/16 16:50	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/16/16 16:50	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 16:50	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/16/16 16:50	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/16/16 16:50	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/16/16 16:50	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/16/16 16:50	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/16/16 16:50	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/16/16 16:50	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/16/16 16:50	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/16/16 16:50	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/16/16 16:50	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/16/16 16:50	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/16/16 16:50	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/16/16 16:50	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/16/16 16:50	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/16/16 16:50	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/16/16 16:50	1634-04-4		
2-Propanol	12.6	ug/m3	4.4	1.75		03/16/16 16:50	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/16/16 16:50	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/16/16 16:50	79-34-5		
Tetrachloroethene	28.3	ug/m3	24.1	35		03/17/16 13:58	127-18-4		
Toluene	3.5	ug/m3	1.3	1.75		03/16/16 16:50	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	132	1.75		03/16/16 16:50	120-82-1		
1,1,1-Trichloroethane	2.0	ug/m3	1.9	1.75		03/16/16 16:50	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/16/16 16:50	79-00-5		
Trichloroethene	28.2	ug/m3	19.2	35		03/17/16 13:58	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/16/16 16:50	75-69-4		
1,1,2-Trichlorotrifluoroethane	19.6	ug/m3	2.8	1.75		03/16/16 16:50	76-13-1		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

Sample: LIJ-WP-7_50_20160228		Lab ID: 10340119023		Collected: 02/28/16 11:34		Received: 03/01/16 10:20		Matrix: Air	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,2,4-Trimethylbenzene		ND	ug/m3	1.7	1.75		03/16/16 16:50	95-63-6	
1,3,5-Trimethylbenzene		ND	ug/m3	1.7	1.75		03/16/16 16:50	108-67-8	
Vinyl chloride		ND	ug/m3	0.46	1.75		03/16/16 16:50	75-01-4	
m&p-Xylene		ND	ug/m3	3.1	1.75		03/16/16 16:50	179601-23-1	
o-Xylene		ND	ug/m3	1.5	1.75		03/16/16 16:50	95-47-6	

REPORT OF LABORATORY ANALYSIS

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Appendix C

Support Documentation

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10340119

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
LIJ-WP-7_5_20160228	1,2,4-TRIMETHYLBENZENE	1.7 U	LIJ-WP-7_5_20160228DUP	1,2,4-TRIMETHYLBENZENE	2.1	NA	0.4	1.7
	2-BUTANONE	5.2 U		2-BUTANONE	8.3	NA	3.1	5
	ACETONE	13.7		ACETONE	27.5	66.99	13.8	4.1
	BENZENE	1.1		BENZENE	1.3	16.67	0.2	0.55
	CHLORODIFLUOROMETHANE	11.3		CHLORODIFLUOROMETHANE	11.2	NA	0.1	1.2
	CHLOROMETHANE	0.99		CHLOROMETHANE	1.1	NA	0.11	0.71
	CYCLOHEXANE	1.3		CYCLOHEXANE	1.3	0.00	0	1.2
	DICHLORODIFLUOROMETHANE	2.8		DICHLORODIFLUOROMETHANE	2.8	NA	0	1.7
	ETHYLBENZENE	1.5 U		ETHYLBENZENE	1.8	NA	0.3	1.5
	HEXANE	2		HEXANE	2.7	29.79	0.7	1.2
	ISOPROPANOL	6.1		ISOPROPANOL	10.7	54.76	4.6	4.2
	M+P-XYLENES	6.7		M+P-XYLENES	7.3	8.57	0.6	3
	METHYLENE CHLORIDE	16.5		METHYLENE CHLORIDE	15.1	8.86	1.4	5.9
	O-XYLENE	1.5 U		O-XYLENE	2	NA	0.5	1.5
	TETRACHLOROETHENE	1.5 U		TETRACHLOROETHENE	1.8	NA	0.3	1.2
	TOLUENE	10.9		TOLUENE	3.6	100.69	7.3	1.3
	TRICHLOROETHENE	0.96 U		TRICHLOROETHENE	2	NA	1.04	0.92

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10340119

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
VP-102_19.5_20160228	1,2,4-TRIMETHYLBENZENE	1.7 U	VP-102_19.5_20160228DUP	1,2,4-TRIMETHYLBENZENE	7.5	NA	5.8	1.7
	1,3,5-TRIMETHYLBENZENE	1.7 U		1,3,5-TRIMETHYLBENZENE	1.8	NA	0.1	1.7
	1-ETHYL-4-METHYL BENZENE	1.7 U		1-ETHYL-4-METHYL BENZENE	2.1	NA	0.4	1.7
	ACETONE	43.4		ACETONE	8.2	136.43	35.2	4.1
	BENZENE	0.95		BENZENE	0.57 U	NA	0.38	0.55
	CHLORODIFLUOROMETHANE	97.7		CHLORODIFLUOROMETHANE	55.8	54.59	41.9	1.2
	DICHLORODIFLUOROMETHANE	3.3		DICHLORODIFLUOROMETHANE	2.4	31.58	0.9	1.7
	HEXANE	16.1		HEXANE	1.3 U	NA	14.8	1.2
	ISOPROPANOL	4.2 U		ISOPROPANOL	8.5	NA	4.3	4.2
	M+P-XYLENES	3 U		M+P-XYLENES	5.8	NA	2.8	3
	METHYLENE CHLORIDE	99.6		METHYLENE CHLORIDE	6.2 U	NA	93.4	5.9
	O-XYLENE	1.5 U		O-XYLENE	2.4	NA	0.9	1.5
	TETRACHLOROETHENE	1.8		TETRACHLOROETHENE	1.7	5.71	0.1	1.2
	TOLUENE	6.6		TOLUENE	4.7	33.63	1.9	1.3
	TRICHLOROETHENE	5.2		TRICHLOROETHENE	5.8	10.91	0.6	0.92

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10340119

23974

Page: 1 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Company: <u>TERA TECH</u>	Report To: <u>KEITH MCDERMOTT</u>	Attention:	Reporting Units ug/m ³ <input checked="" type="checkbox"/> mg/m ³ PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/>
Address: <u>295 RT 22E, Suite 104E</u> <u>WILMINGTON STATION, NJ 08009</u>	Copy To:	Company Name:	
Email To: <u>KEITH.MCDERMOTT@TERATECH.COM</u>	Purchase Order No.:	Address:	Location of Sampling by State <u>NY</u>
Phone: <u>(908) 534-2303</u> Fax:	Project Name: <u>LMC - GREAT NECK</u>	Pace Quote Reference:	Report Level <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other <input type="checkbox"/>
Requested Due Date/TAT:	Project Number: <u>117-0507644</u>	Pace Project Manager/Sales Rep.	
		Pace Profile #:	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:															Pace Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Comments:

* MODIFIED COC LIST

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
		2/29/16	1321			2/29/16	1321		Y/N	Y/N	Y/N
		2/29/16	1430			3/1/16	1020		Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

ION BXL, DAN BRUCKNER, KEITH MCDERMOTT

SIGNATURE OF SAMPLER:

DATE Signed (MM / DD / YY)

2/29/16

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact

ORIGINAL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

23845

Page: 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: <u>TERA TECH</u>		Report To: <u>KEITH McDERMOTT</u>		Attention:	
Address: <u>245 RT 22E, SUITE 104C</u>		Copy To:		Company Name:	
<u>WHITEHOUSE STATION, NJ 08889</u>		Purchase Order No.:		Address:	
Email To: <u>KEITH.MCDERMOTT@TERATECH.COM</u>		Project Name: <u>LWC - GREAT NECK</u>		Pace Quote Reference:	
Phone: <u>(908) 534-2303</u> Fax:		Project Number: <u>117-0507644</u>		Pace Project Manager/Sales Rep.	
Requested Due Date/TAT:				Pace Profile #:	

Program
☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other
Location of Sampling by State NY
Reporting Units
ug/m³ ☒ mg/m³
PPBV ☐ PPMV ☐
Other ☐
Report Level II. ☐ III. ☐ IV. ☐ Other ☐

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Comments :

* MODIFIED COC LIST

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
		2/29/16	1321			2/29/16	1321		Y/N	Y/N	Y/N
		2/29/16	1430			2/11/16	1020		Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY)

Temp in °C

Received on

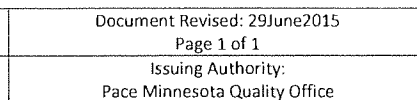
ice

Custody

Sealed Cooler

Samples Intact

ORIGINAL



Project #:



10340119

Tracking Number: See Exception form

Optional: Proj. Due Date: Proj. Name:

Temp Blank rec: ☐ Yes ☒ No

☐ 72337080
☐ 80512447

Date & Initials of Person Examining Contents:

80512447
12th 3/11/10

Comments:

Chain of Custody Form					Comments
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	3.	
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5.	
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	7.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	8.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	10.	
Media: <u>Air Can</u> Airbag Filter TDT Passive				11.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	12.	

[illegible]

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted:

Date/Time:

Comments/Resolution:

Project Manager Review:

Date: 03/11/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

PROJECT NARRATIVE

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10340119

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

General Information:

23 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25447

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- DUP (Lab ID: 2211000)
 - 1,2,4-Trichlorobenzene
 - Hexachloro-1,3-butadiene

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- LCS (Lab ID: 2210724)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Methyl acetate

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: AIR/25447

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 2210724)
 - Hexachloro-1,3-butadiene

QC Batch: AIR/25453

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 2211184)
 - 1,2,4-Trichlorobenzene
 - Hexachloro-1,3-butadiene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10340119

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 01, 2016

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: AIR/25447

R1: RPD value was outside control limits.

- DUP (Lab ID: 2211000)
 - Tetrachloroethene
 - Trichloroethene

Additional Comments:

Analyte Comments:

QC Batch: AIR/25447

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 2211000)
 - Tetrachloroethene
 - Trichloroethene

QC Batch: AIR/25453

A3: The sample was analyzed by serial dilution.

- LIJ-WP-7_30_20160228 (Lab ID: 10340119021)
 - Tetrachloroethene
 - Trichloroethene

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- LIJ-WP-7_30_20160228 (Lab ID: 10340119021)
 - cis-1,2-Dichloroethene
 - Chloroform
 - 1,1,2-Trichlorotrifluoroethane
- LIJ-WP-7_40_20160228 (Lab ID: 10340119022)
 - Trichloroethene

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507644 LMC-Great Neck
Pace Project No.: 10340119

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

IC The initial calibration for this compound was outside of method control limits. The result is estimated.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

R1 RPD value was outside control limits.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507644 LMC-Great Neck

Pace Project No.: 10340119

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10340119001	VP-102_4.5_20160228	Air	02/28/16 11:04	03/01/16 10:20
10340119002	VP-102_8.5_20160228	Air	02/28/16 10:49	03/01/16 10:20
10340119003	VP-102_19.5_20160228	Air	02/28/16 11:11	03/01/16 10:20
10340119004	VP-102_19.5_20160228DUP	Air	02/28/16 11:11	03/01/16 10:20
10340119005	VP-102_51.5_20160228	Air	02/28/16 11:26	03/01/16 10:20
10340119006	VP-102_57.5_20160228	Air	02/28/16 09:50	03/01/16 10:20
10340119007	VP-102_61.5_20160228	Air	02/28/16 11:10	03/01/16 10:20
10340119008	VP-102_73.5_20160228	Air	02/28/16 09:54	03/01/16 10:20
10340119009	VP-103_5_20160228	Air	02/28/16 10:52	03/01/16 10:20
10340119010	VP-103_10_20160228	Air	02/28/16 10:48	03/01/16 10:20
10340119011	VP-103_20_20160228	Air	02/28/16 10:35	03/01/16 10:20
10340119012	VP-103_30_20160228	Air	02/28/16 10:34	03/01/16 10:20
10340119013	VP-103_40_20160228	Air	02/28/16 10:26	03/01/16 10:20
10340119014	VP-103_50_20160228	Air	02/28/16 10:44	03/01/16 10:20
10340119015	VP-103_61.5_20160228	Air	02/28/16 10:41	03/01/16 10:20
10340119016	VP-103_74.5_20160228	Air	02/28/16 11:28	03/01/16 10:20
10340119017	LIJ-WP-7_5_20160228	Air	02/28/16 11:33	03/01/16 10:20
10340119018	LIJ-WP-7_5_20160228DUP	Air	02/28/16 11:41	03/01/16 10:20
10340119019	LIJ-WP-7_10_20160228	Air	02/28/16 11:40	03/01/16 10:20
10340119020	LIJ-WP-7_20_20160228	Air	02/28/16 11:32	03/01/16 10:20
10340119021	LIJ-WP-7_30_20160228	Air	02/28/16 11:30	03/01/16 10:20
10340119022	LIJ-WP-7_40_20160228	Air	02/28/16 11:36	03/01/16 10:20
10340119023	LIJ-WP-7_50_20160228	Air	02/28/16 11:34	03/01/16 10:20
10340119024	UNUSED	Air	02/28/16 00:00	03/01/16 10:20
10340119025	UNUSED 2	Air		03/01/16 10:20

REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/15/2016
Lab File ID (Standard): 07517.D Time Analyzed: 17:39
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	810260	4.539	433113	7.361
UPPER LIMIT	1134364	5.039	606358	7.861
LOWER LIMIT	486156	4.039	259868	6.861
EPA SAMPLE NO.				
BLANK for HBN 405094 [AIR/2544]	1004468	4.525	523789	7.361
LCS for HBN 405094 [AIR/25447]	1009027	4.532	532428	7.361
VP-102_4.5_20160228	864510	4.525	436687	7.361
VP-102_8.5_20160228	738816	4.532	396045	7.361
VP-102_19.5_20160228	715133	4.525	377827	7.361
VP-102_19.5_20160228DUP	752545	4.532	410464	7.361
VP-102_51.5_20160228	754903	4.532	402495	7.361
VP-102_57.5_20160228	751480	4.532	391383	7.361
VP-102_61.5_20160228	717950	4.532	374533	7.361
VP-102_73.5_20160228	734951	4.533	381573	7.362
VP-103_5_20160228	664841	4.525	350391	7.361
VP-103_10_20160228	713353	4.532	370857	7.361
VP-103_20_20160228	661342	4.532	347677	7.361
VP-103_30_20160228	659184	4.525	345243	7.361
VP-103_40_20160228	655871	4.525	350349	7.361
VP-103_50_20160228	650873	4.525	348103	7.361
VP-103_61.5_20160228	642943	4.532	333728	7.361
VP-103_74.5_20160228	677629	4.525	348666	7.361
LIJ-WP-7_5_20160228	672937	4.525	345477	7.361
LIJ-WP-7_5_20160228DUP	667085	4.532	349813	7.361
VP-102_57.5_201...(2201505DUP)	728173	4.532	372869	7.361

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/15/2016
Lab File ID (Standard): 07508.D Time Analyzed: 14:07
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	2365713	4.530	1231680	7.381
UPPER LIMIT	3311998	5.030	1724352	7.881
LOWER LIMIT	1419428	4.030	739008	6.881
EPA SAMPLE NO.				
BLANK for HBN 405094 [AIR/2544]	2979682	4.530	1589232	7.359
BLANK for HBN 405151 [AIR/2545]	2285662	4.523	1181726	7.359
LCS for HBN 405094 [AIR/25447]	2133512	4.530	1173999	7.380
LCS for HBN 405151 [AIR/25453]	887958 *	4.518	470985 *	7.369
VP-102_4.5_20160228	2549685	4.530	1337783	7.359
VP-102_8.5_20160228	2195417	4.530	1217549	7.359
VP-102_19.5_20160228	2129769	4.530	1161653	7.359
VP-102_19.5_20160228DUP	2235581	4.530	1243455	7.359
VP-102_51.5_20160228	2241864	4.530	1221201	7.366
VP-102_57.5_20160228	2234519	4.530	1186716	7.359
VP-102_61.5_20160228	2134888	4.530	1141821	7.359
VP-102_73.5_20160228	2190842	4.537	1164432	7.366
VP-103_5_20160228	1976803	4.530	1067914	7.359
VP-103_10_20160228	2128438	4.537	1131435	7.366
VP-103_20_20160228	1965369	4.530	1065014	7.366
VP-103_30_20160228	1965493	4.530	1061388	7.359
VP-103_40_20160228	1946032	4.530	1074237	7.359
VP-103_50_20160228	1939974	4.530	1061949	7.359
VP-103_61.5_20160228	1921051	4.530	1025226	7.359
VP-103_74.5_20160228	2025250	4.530	1066472	7.359
LIJ-WP-7_5_20160228	2007875	4.530	1059674	7.359
LIJ-WP-7_5_20160228DUP	1995002	4.530	1070239	7.359
LIJ-WP-7_10_20160228	2307486	4.522	1191039	7.359
LIJ-WP-7_20_20160228	2274279	4.537	1180386	7.366
LIJ-WP-7_30_20160228	2097016	4.559	937668	7.424
LIJ-WP-7_40_20160228	2325599	4.544	1203147	7.373

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/15/2016
Lab File ID (Standard): 07508.D Time Analyzed: 14:07
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

LIJ-WP-7_50_20160228	2352596	4.530	1241573	7.359
VP-102_57.5_201...(2201505DUP)	2170429	4.530	1142452	7.359

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.:
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/16/2016
Lab File ID (Standard): 07608.D Time Analyzed: 10:53
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	769650	4.532	370401	7.361
UPPER LIMIT	1077510	5.032	518561	7.861
LOWER LIMIT	461790	4.032	222241	6.861
EPA SAMPLE NO.				
BLANK for HBN 405094 [AIR/2544]	797510	4.525	419284	7.369
BLANK for HBN 405151 [AIR/2545]	769982	4.525	389046	7.354
LCS for HBN 405094 [AIR/25447]	908635	4.532	474273	7.361
LCS for HBN 405151 [AIR/25453]	908635	4.532	474273	7.361
VP-102_4.5_20160228	736378	4.532	376647	7.361
VP-102_8.5_20160228	744191	4.525	385647	7.361
VP-102_19.5_20160228	706512	4.525	366806	7.354
VP-102_19.5_20160228DUP	663987	4.532	355429	7.361
VP-102_51.5_20160228	628226	4.532	339061	7.361
VP-102_51.5_20160228	577220	4.532	305629	7.361
VP-102_57.5_20160228	601504	4.532	318222	7.361
VP-102_57.5_20160228	576623	4.532	300007	7.361
VP-102_61.5_20160228	643419	4.532	339138	7.361
VP-102_61.5_20160228	633205	4.525	330089	7.354
VP-102_73.5_20160228	618085	4.532	322281	7.361
VP-102_73.5_20160228	611310	4.525	312375	7.361
VP-103_5_20160228	659928	4.532	351084	7.361
VP-103_10_20160228	673468	4.525	358146	7.361
VP-103_20_20160228	648888	4.525	346353	7.361
VP-103_30_20160228	694829	4.532	364148	7.361
VP-103_40_20160228	662379	4.532	335737	7.361
VP-103_40_20160228	638105	4.532	334636	7.361
VP-103_50_20160228	695256	4.532	367055	7.361
VP-103_61.5_20160228	589146	4.525	309258	7.361
VP-103_61.5_20160228	567992	4.532	293014	7.361
VP-103_74.5_20160228	639819	4.532	348110	7.361

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical		Contract:	
Lab Code: PASI	Case No.:	SAS No.:	SDG No.:
EPA Sample No. (VSTD050##): CAL5		Date Analyzed: 03/16/2016	
Lab File ID (Standard): 07608.D		Time Analyzed: 10:53	
Instrument ID: 10AIR7		Heated Purge (Y/N): N	
GC Column: J&W DB-5 ID: 0.32 (mm)			

VP-103_74.5_20160228	627072	4.525	326794	7.354
LIJ-WP-7_5_20160228	697691	4.532	358651	7.361
LIJ-WP-7_5_20160228DUP	687725	4.532	364567	7.361
LIJ-WP-7_10_20160228	777967	4.525	391183	7.354
LIJ-WP-7_10_20160228	630917	4.525	332620	7.354
LIJ-WP-7_20_20160228	765447	4.532	385999	7.361
LIJ-WP-7_20_20160228	660598	4.532	322250	7.361
LIJ-WP-7_30_20160228	698858	4.561	305833	7.419
LIJ-WP-7_40_20160228	779601	4.539	396396	7.368
LIJ-WP-7_40_20160228	586499	4.532	298469	7.361
LIJ-WP-7_50_20160228	794832	4.525	409063	7.361
LIJ-WP-7_50_20160228	591998	4.525	307610	7.369

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
 AREA LOWER LIMIT = 60% of internal standard area
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA

REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405094 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07523_25447.D

Lab Sample ID: 2210723

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 20:04

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405094 [AIR/	2210724	07511_25447.D	15:21
02	LCS for HBN 405094 [AIR/	2210724	07521_25447.D	19:14
03	VP-102_4.5_20160228	10340119001	07526.D	21:27
04	VP-102_8.5_20160228	10340119002	07527.D	21:55
05	VP-102_19.5_20160228	10340119003	07528.D	22:23
06	VP-102_19.5_20160228DU	10340119004	07530.D	23:12
07	VP-102_51.5_20160228	10340119005	07531.D	23:39
08	VP-102_57.5_20160228	10340119006	07532.D	00:06
09	VP-102_61.5_20160228	10340119007	07534.D	01:00
10	VP-102_73.5_20160228	10340119008	07536.D	01:54
11	VP-103_5_20160228	10340119009	07537.D	02:21
12	VP-103_10_20160228	10340119010	07538.D	02:48
13	VP-103_20_20160228	10340119011	07539.D	03:16
14	VP-103_30_20160228	10340119012	07540.D	03:44
15	VP-103_40_20160228	10340119013	07541.D	04:11
16	VP-103_50_20160228	10340119014	07542.D	04:39
17	VP-103_61.5_20160228	10340119015	07543.D	05:07
18	VP-103_74.5_20160228	10340119016	07544.D	05:34
19	LIJ-WP-7_5_20160228	10340119017	07545.D	06:00
20	LIJ-WP-7_5_20160228DU	10340119018	07547.D	06:49

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405094 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07523_25447.D

Lab Sample ID: 2210723

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 20:04

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405094 [AIR/	2210724	07511_25447.D	15:21
02	LCS for HBN 405094 [AIR/	2210724	07521_25447.D	19:14
03	VP-102_4.5_20160228	10340119001	07526.D	21:27
04	VP-102_8.5_20160228	10340119002	07527.D	21:55
05	VP-102_19.5_20160228	10340119003	07528.D	22:23
06	VP-102_19.5_20160228DU	10340119004	07530.D	23:12
07	VP-102_51.5_20160228	10340119005	07531.D	23:39
08	VP-102_57.5_20160228	10340119006	07532.D	00:06
09	VP-102_61.5_20160228	10340119007	07534.D	01:00
10	VP-102_73.5_20160228	10340119008	07536.D	01:54
11	VP-103_5_20160228	10340119009	07537.D	02:21
12	VP-103_10_20160228	10340119010	07538.D	02:48
13	VP-103_20_20160228	10340119011	07539.D	03:16
14	VP-103_30_20160228	10340119012	07540.D	03:44
15	VP-103_40_20160228	10340119013	07541.D	04:11
16	VP-103_50_20160228	10340119014	07542.D	04:39
17	VP-103_61.5_20160228	10340119015	07543.D	05:07
18	VP-103_74.5_20160228	10340119016	07544.D	05:34
19	LIJ-WP-7_5_20160228	10340119017	07545.D	06:00
20	LIJ-WP-7_5_20160228DU	10340119018	07547.D	06:49

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405094 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07617.D

Lab Sample ID: 2210723

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 14:35

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405094 [AIR/	2210724	07612A.D	12:28
02	VP-102_8.5_20160228	10340119002	07625.D	18:39
03	VP-102_19.5_20160228	10340119003	07626.D	19:07
04	VP-103_30_20160228	10340119012	07627.D	19:35
05	VP-102_4.5_20160228	10340119001	07628.D	20:02
06	VP-103_10_20160228	10340119010	07629.D	20:30
07	VP-102_19.5_20160228DU	10340119004	07631.D	21:19
08	LIJ-WP-7_5_20160228DU	10340119018	07632.D	21:46
09	LIJ-WP-7_5_20160228	10340119017	07633.D	22:13
10	VP-103_50_20160228	10340119014	07634.D	22:40
11	VP-103_20_20160228	10340119011	07635.D	23:08
12	VP-103_5_20160228	10340119009	07636.D	23:36
13	VP-103_40_20160228	10340119013	07637.D	00:03
14	VP-103_40_20160228	10340119013	07638.D	00:26
15	VP-103_74.5_20160228	10340119016	07639.D	00:53
16	VP-103_74.5_20160228	10340119016	07640.D	01:15
17	VP-102_61.5_20160228	10340119007	07641.D	01:43
18	VP-102_61.5_20160228	10340119007	07642.D	02:06
19	VP-102_51.5_20160228	10340119005	07643.D	02:34
20	VP-102_51.5_20160228	10340119005	07644.D	02:56
21	VP-102_73.5_20160228	10340119008	07645.D	03:23
22	VP-102_73.5_20160228	10340119008	07646.D	03:45
23	VP-102_57.5_20160228	10340119006	07647.D	04:12
24	VP-102_57.5_20160228	10340119006	07648.D	04:34
25	VP-103_61.5_20160228	10340119015	07649.D	05:02
26	VP-103_61.5_20160228	10340119015	07650.D	05:24

QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck-Rev
Pace Project No.: 10340119

QC Batch:	AIR/25447	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10340119001, 10340119002, 10340119003, 10340119004, 10340119005, 10340119006, 10340119007, 10340119008, 10340119009, 10340119010, 10340119011, 10340119012, 10340119013, 10340119014, 10340119015, 10340119016, 10340119017, 10340119018		

METHOD BLANK:	2210723	Matrix:	Air
Associated Lab Samples:	10340119001, 10340119002, 10340119003, 10340119004, 10340119005, 10340119006, 10340119007, 10340119008, 10340119009, 10340119010, 10340119011, 10340119012, 10340119013, 10340119014, 10340119015, 10340119016, 10340119017, 10340119018		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/15/16 20:04	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/15/16 20:04	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/15/16 20:04	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/15/16 20:04	
1,1-Dichloroethane	ug/m3	ND	0.82	03/15/16 20:04	
1,1-Dichloroethene	ug/m3	ND	0.81	03/15/16 20:04	
1,1-Difluoroethane	ug/m3	ND	1.4	03/15/16 20:04	
1,2,4-Trichlorobenzene	ug/m3	ND	75.4	03/16/16 14:35	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/15/16 20:04	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/15/16 20:04	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/15/16 20:04	
1,2-Dichlorobenzene	ug/m3	ND	3.1	03/15/16 20:04	
1,2-Dichloroethane	ug/m3	ND	0.41	03/15/16 20:04	
1,2-Dichloropropane	ug/m3	ND	0.94	03/15/16 20:04	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/15/16 20:04	
1,3-Butadiene	ug/m3	ND	0.45	03/15/16 20:04	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/15/16 20:04	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/15/16 20:04	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/15/16 20:04	
2-Butanone (MEK)	ug/m3	ND	3.0	03/15/16 20:04	
2-Hexanone	ug/m3	ND	4.2	03/15/16 20:04	
2-Propanol	ug/m3	ND	2.5	03/15/16 20:04	
4-Ethyltoluene	ug/m3	ND	1.0	03/15/16 20:04	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/15/16 20:04	
Acetone	ug/m3	ND	2.4	03/15/16 20:04	
Allyl chloride	ug/m3	ND	1.6	03/15/16 20:04	
Benzene	ug/m3	ND	0.32	03/15/16 20:04	
Bromodichloromethane	ug/m3	ND	1.4	03/15/16 20:04	
Bromoform	ug/m3	ND	5.3	03/15/16 20:04	
Bromomethane	ug/m3	ND	0.79	03/15/16 20:04	
Carbon disulfide	ug/m3	ND	0.63	03/15/16 20:04	
Carbon tetrachloride	ug/m3	ND	0.64	03/15/16 20:04	
Chlorobenzene	ug/m3	ND	0.94	03/15/16 20:04	
Chlorodifluoromethane	ug/m3	ND	0.72	03/15/16 20:04	
Chloroethane	ug/m3	ND	0.54	03/15/16 20:04	
Chloroform	ug/m3	ND	0.50	03/15/16 20:04	
Chloromethane	ug/m3	ND	0.42	03/15/16 20:04	
Chloropentafluoroethane	ug/m3	ND	19.3	03/15/16 20:04	IC

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

METHOD BLANK: 2210723

Matrix: Air

Associated Lab Samples: 10340119001, 10340119002, 10340119003, 10340119004, 10340119005, 10340119006, 10340119007, 10340119008, 10340119009, 10340119010, 10340119011, 10340119012, 10340119013, 10340119014, 10340119015, 10340119016, 10340119017, 10340119018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/15/16 20:04	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/15/16 20:04	
Cyclohexane	ug/m3	ND	0.70	03/15/16 20:04	
Dibromochloromethane	ug/m3	ND	1.7	03/15/16 20:04	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/15/16 20:04	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/15/16 20:04	
Ethylbenzene	ug/m3	ND	0.88	03/15/16 20:04	
Freon 123	ug/m3	ND	3.2	03/15/16 20:04	SS
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	03/16/16 14:35	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/15/16 20:04	
m&p-Xylene	ug/m3	ND	1.8	03/15/16 20:04	
Methyl acetate	ug/m3	ND	1.5	03/15/16 20:04	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/15/16 20:04	
Methylcyclohexane	ug/m3	ND	0.82	03/15/16 20:04	
Methylene Chloride	ug/m3	ND	3.5	03/15/16 20:04	
n-Hexane	ug/m3	ND	0.72	03/15/16 20:04	
o-Xylene	ug/m3	ND	0.88	03/15/16 20:04	
Styrene	ug/m3	ND	0.87	03/15/16 20:04	
Tetrachloroethene	ug/m3	ND	0.69	03/15/16 20:04	
Toluene	ug/m3	ND	0.77	03/15/16 20:04	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/15/16 20:04	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/15/16 20:04	
Trichloroethene	ug/m3	ND	0.55	03/15/16 20:04	
Trichlorofluoromethane	ug/m3	ND	1.1	03/15/16 20:04	
Vinyl chloride	ug/m3	ND	0.26	03/15/16 20:04	

LABORATORY CONTROL SAMPLE: 2210724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.7	49.6	86	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	74	79.2	107	49-150	
1,1,2-Trichloroethane	ug/m3	58.8	58.2	99	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	79.4	97	66-131	
1,1-Dichloroethane	ug/m3	43.2	39.5	91	62-139	
1,1-Dichloroethene	ug/m3	42.3	39.5	93	62-135	
1,1-Difluoroethane	ug/m3		ND			SS
1,2,4-Trichlorobenzene	ug/m3	75.5	110	145	55-146	
1,2,4-Trimethylbenzene	ug/m3	51.5	67.4	131	57-143	
1,2-Dibromo-3-chloropropane	ug/m3		ND			
1,2-Dibromoethane (EDB)	ug/m3	82.8	83.9	101	63-150	
1,2-Dichlorobenzene	ug/m3	62.9	68.0	108	57-141	
1,2-Dichloroethane	ug/m3	43.6	38.6	88	61-144	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

LABORATORY CONTROL SAMPLE: 2210724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/m3	50.2	52.0	103	63-144	
1,3,5-Trimethylbenzene	ug/m3	51.5	65.1	127	54-147	
1,3-Butadiene	ug/m3	23.2	24.8	107	61-140	
1,3-Dichlorobenzene	ug/m3	63.6	83.1	131	51-150	
1,4-Dichlorobenzene	ug/m3	61.7	82.1	133	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	38.5	48.7	127	58-144	
2-Butanone (MEK)	ug/m3	32.1	30.2	94	66-144	
2-Hexanone	ug/m3	45	48.8	109	63-147	
2-Propanol	ug/m3	25.7	24.3	94	54-146	
4-Ethyltoluene	ug/m3	49.5	63.6	129	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.7	44.5	102	58-150	
Acetone	ug/m3	24.9	23.4	94	46-140	
Allyl chloride	ug/m3	35	32.7	94	65-142	
Benzene	ug/m3	34.4	34.6	101	62-141	
Bromodichloromethane	ug/m3	71.5	73.8	103	58-149	
Bromoform	ug/m3	113	106	94	61-150	
Bromomethane	ug/m3	38.3	36.2	94	58-136	
Carbon disulfide	ug/m3	33.2	32.7	98	59-135	
Carbon tetrachloride	ug/m3	67.1	72.6	108	60-149	
Chlorobenzene	ug/m3	50.1	50.1	100	60-150	
Chlorodifluoromethane	ug/m3	37.4	34.3	92	70-130	
Chloroethane	ug/m3	26	27.5	106	61-136	
Chloroform	ug/m3	51.6	46.2	89	65-138	
Chloromethane	ug/m3	21	19.7	94	62-133	
Chloropentafluoroethane	ug/m3		21.7			IC,L3,SS
cis-1,2-Dichloroethene	ug/m3	43.5	42.3	97	65-139	
cis-1,3-Dichloropropene	ug/m3	51.7	51.3	99	61-149	
Cyclohexane	ug/m3	36.7	39.2	107	64-134	
Dibromochloromethane	ug/m3	97	104	107	59-150	
Dichlorodifluoromethane	ug/m3	50.3	48.5	96	63-134	
Dichlorotetrafluoroethane	ug/m3	69.6	68.9	99	62-134	
Ethylbenzene	ug/m3	47.2	47.7	101	59-149	
Freon 123	ug/m3		ND			SS
Hexachloro-1,3-butadiene	ug/m3	108	181	167	42-150	L3
Isopropylbenzene (Cumene)	ug/m3	51	55.9	110	65-150	
m&p-Xylene	ug/m3	47.7	47.6	100	59-146	
Methyl acetate	ug/m3		ND			
Methyl-tert-butyl ether	ug/m3	38.5	32.3	84	64-135	
Methylcyclohexane	ug/m3	42.9	47.6	111	70-130	
Methylene Chloride	ug/m3	38.8	36.4	94	64-128	
n-Hexane	ug/m3	37.6	31.3	83	50-138	
o-Xylene	ug/m3	46.8	49.1	105	54-149	
Styrene	ug/m3	45.5	52.1	115	54-150	
Tetrachloroethene	ug/m3	72.4	74.0	102	60-142	
Toluene	ug/m3	41	39.8	97	61-138	
trans-1,2-Dichloroethene	ug/m3	41.1	41.0	100	67-137	
trans-1,3-Dichloropropene	ug/m3	51.7	56.9	110	59-145	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

LABORATORY CONTROL SAMPLE: 2210724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	57.4	63.9	111	60-144	
Trichlorofluoromethane	ug/m3	58.2	51.8	89	59-134	
Vinyl chloride	ug/m3	26.5	27.2	103	63-135	

SAMPLE DUPLICATE: 2211000

Parameter	Units	10340119006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.3J		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	13.6	13.0	5	25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,1-Difluoroethane	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	IC
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromo-3-chloropropane	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	5.0	4.8	4	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	7.0	6.5	7	25	
Allyl chloride	ug/m3	ND	ND		25	
Benzene	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chlorodifluoromethane	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	3.8	3.8	1	25	
Chloromethane	ug/m3	ND	ND		25	
Chloropentafluoroethane	ug/m3	ND	ND		25	IC

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QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

SAMPLE DUPLICATE: 2211000

Parameter	Units	10340119006 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	7.1	6.9	3	25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.5	2.5	0	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Freon 123	ug/m3	ND	ND		25	SS
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	IC
Isopropylbenzene (Cumene)	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl acetate	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylcyclohexane	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	1.1J		25	
n-Hexane	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	246	456	60	25	E,R1
Toluene	ug/m3	2.0	2.0	3	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	432	687	45	25	E,R1
Trichlorofluoromethane	ug/m3	2.4	2.3	3	25	
Vinyl chloride	ug/m3	ND	ND		25	

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405151 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07618.D

Lab Sample ID: 2211183

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 15:02

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405151 [AIR/	2211184	07612LCS.D	12:28
02	LIJ-WP-7_30_20160228	10340119021	07619.D	15:56
03	LIJ-WP-7_40_20160228	10340119022	07620.D	16:24
04	LIJ-WP-7_50_20160228	10340119023	07621.D	16:50
05	LIJ-WP-7_10_20160228	10340119019	07622.D	17:18
06	LIJ-WP-7_20_20160228	10340119020	07623.D	17:45

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405151 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07618B2.D

Lab Sample ID: 2211183

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 15:02

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405151 [AIR/	2211184	07615L2.D	13:39
02	LIJ-WP-7_30_20160228	10340119021	07619.D	15:56
03	LIJ-WP-7_40_20160228	10340119022	07620.D	16:24
04	LIJ-WP-7_50_20160228	10340119023	07621.D	16:50
05	LIJ-WP-7_10_20160228	10340119019	07622.D	17:18
06	LIJ-WP-7_20_20160228	10340119020	07623.D	17:45

QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

QC Batch: AIR/25453 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10340119019, 10340119020, 10340119021, 10340119022, 10340119023

METHOD BLANK: 2211183 Matrix: Air
Associated Lab Samples: 10340119019, 10340119020, 10340119021, 10340119022, 10340119023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/16/16 15:02	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/16/16 15:02	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/16/16 15:02	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/16/16 15:02	
1,1-Dichloroethane	ug/m3	ND	0.82	03/16/16 15:02	
1,1-Dichloroethene	ug/m3	ND	0.81	03/16/16 15:02	
1,1-Difluoroethane	ug/m3	ND	1.4	03/16/16 15:02	
1,2,4-Trichlorobenzene	ug/m3	ND	75.4	03/16/16 15:02	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/16/16 15:02	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/16/16 15:02	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/16/16 15:02	
1,2-Dichlorobenzene	ug/m3	ND	3.1	03/16/16 15:02	
1,2-Dichloroethane	ug/m3	ND	0.41	03/16/16 15:02	
1,2-Dichloropropane	ug/m3	ND	0.94	03/16/16 15:02	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/16/16 15:02	
1,3-Butadiene	ug/m3	ND	0.45	03/16/16 15:02	
1,3-Dichlorobenzene	ug/m3	ND	2.6	03/16/16 15:02	
1,4-Dichlorobenzene	ug/m3	ND	5.3	03/16/16 15:02	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/16/16 15:02	
2-Butanone (MEK)	ug/m3	ND	3.0	03/16/16 15:02	
2-Hexanone	ug/m3	ND	4.2	03/16/16 15:02	
2-Propanol	ug/m3	ND	2.5	03/16/16 15:02	
4-Ethyltoluene	ug/m3	ND	1.0	03/16/16 15:02	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/16/16 15:02	
Acetone	ug/m3	ND	2.4	03/16/16 15:02	
Allyl chloride	ug/m3	ND	1.6	03/16/16 15:02	
Benzene	ug/m3	ND	0.32	03/16/16 15:02	
Bromodichloromethane	ug/m3	ND	1.4	03/16/16 15:02	
Bromoform	ug/m3	ND	53.3	03/16/16 15:02	
Bromomethane	ug/m3	ND	0.79	03/16/16 15:02	
Carbon disulfide	ug/m3	ND	0.63	03/16/16 15:02	
Carbon tetrachloride	ug/m3	ND	0.64	03/16/16 15:02	
Chlorobenzene	ug/m3	ND	0.94	03/16/16 15:02	
Chlorodifluoromethane	ug/m3	ND	0.72	03/16/16 15:02	
Chloroethane	ug/m3	ND	0.54	03/16/16 15:02	
Chloroform	ug/m3	ND	0.50	03/16/16 15:02	
Chloromethane	ug/m3	ND	0.42	03/16/16 15:02	
Chloropentafluoroethane	ug/m3	ND	3.2	03/16/16 15:02	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/16/16 15:02	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/16/16 15:02	
Cyclohexane	ug/m3	ND	0.70	03/16/16 15:02	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

METHOD BLANK: 2211183

Matrix: Air

Associated Lab Samples: 10340119019, 10340119020, 10340119021, 10340119022, 10340119023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/m3	ND	1.7	03/16/16 15:02	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/16/16 15:02	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/16/16 15:02	
Ethylbenzene	ug/m3	ND	0.88	03/16/16 15:02	
Freon 123	ug/m3	ND	3.2	03/16/16 15:02	SS
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	03/16/16 15:02	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/16/16 15:02	
m&p-Xylene	ug/m3	ND	1.8	03/16/16 15:02	
Methyl acetate	ug/m3	ND	1.5	03/16/16 15:02	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/16/16 15:02	
Methylcyclohexane	ug/m3	ND	0.82	03/16/16 15:02	
Methylene Chloride	ug/m3	ND	3.5	03/16/16 15:02	
n-Hexane	ug/m3	ND	0.72	03/16/16 15:02	
o-Xylene	ug/m3	ND	0.88	03/16/16 15:02	
Styrene	ug/m3	ND	0.87	03/16/16 15:02	
Tetrachloroethene	ug/m3	ND	0.69	03/16/16 15:02	
Toluene	ug/m3	ND	0.77	03/16/16 15:02	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/16/16 15:02	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/16/16 15:02	
Trichloroethene	ug/m3	ND	0.55	03/16/16 15:02	
Trichlorofluoromethane	ug/m3	ND	1.1	03/16/16 15:02	
Vinyl chloride	ug/m3	ND	0.26	03/16/16 15:02	

LABORATORY CONTROL SAMPLE: 2211184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.7	51.1	89	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	74	76.5	103	49-150	
1,1,2-Trichloroethane	ug/m3	58.8	57.1	97	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	78.9	97	66-131	
1,1-Dichloroethane	ug/m3	43.2	39.3	91	62-139	
1,1-Dichloroethene	ug/m3	42.3	38.2	90	62-135	
1,1-Difluoroethane	ug/m3	5.5	5.1	93	50-150	
1,2,4-Trichlorobenzene	ug/m3	73.9	110	148	55-146	L3
1,2,4-Trimethylbenzene	ug/m3	51.5	51.8	101	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	19.6	19.7	100	50-150	
1,2-Dibromoethane (EDB)	ug/m3	82.8	82.8	100	63-150	
1,2-Dichlorobenzene	ug/m3	62.9	67.4	107	57-141	
1,2-Dichloroethane	ug/m3	43.6	37.8	87	61-144	
1,2-Dichloropropane	ug/m3	50.2	49.7	99	63-144	
1,3,5-Trimethylbenzene	ug/m3	51.5	60.9	118	54-147	
1,3-Butadiene	ug/m3	23.2	23.6	102	61-140	
1,3-Dichlorobenzene	ug/m3	63.6	63.3	100	51-150	
1,4-Dichlorobenzene	ug/m3	61.7	63.7	103	57-143	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC-Great Neck-Rev

Pace Project No.: 10340119

LABORATORY CONTROL SAMPLE: 2211184

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/m3	38.5	50.1	130	58-144	
2-Butanone (MEK)	ug/m3	32.1	31.0	97	66-144	
2-Hexanone	ug/m3	45	49.2	110	63-147	
2-Propanol	ug/m3	25.7	25.3	98	54-146	
4-Ethyltoluene	ug/m3	49.5	60.5	122	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.7	47.1	108	58-150	
Acetone	ug/m3	24.9	23.7	95	46-140	
Allyl chloride	ug/m3	35	31.8	91	65-142	
Benzene	ug/m3	34.4	33.1	96	62-141	
Bromodichloromethane	ug/m3	71.5	72.2	101	58-149	
Bromoform	ug/m3	113	98.6	87	61-150	
Bromomethane	ug/m3	38.3	36.7	96	58-136	
Carbon disulfide	ug/m3	33.2	29.7	89	59-135	
Carbon tetrachloride	ug/m3	67.1	70.3	105	60-149	
Chlorobenzene	ug/m3	50.1	48.2	96	60-150	
Chlorodifluoromethane	ug/m3	37.4	34.7	93	70-130	
Chloroethane	ug/m3	26	29.3	113	61-136	
Chloroform	ug/m3	51.6	44.3	86	65-138	
Chloromethane	ug/m3	21	20.1	96	62-133	
Chloropentafluoroethane	ug/m3	12.8	ND	8	50-150	CL,IC,L2
cis-1,2-Dichloroethene	ug/m3	43.5	40.1	92	65-139	
cis-1,3-Dichloropropene	ug/m3	51.7	51.3	99	61-149	
Cyclohexane	ug/m3	36.7	38.5	105	64-134	
Dibromochloromethane	ug/m3	97	94.3	97	59-150	
Dichlorodifluoromethane	ug/m3	50.3	49.1	98	63-134	
Dichlorotetrafluoroethane	ug/m3	69.6	69.4	100	62-134	
Ethylbenzene	ug/m3	47.2	47.5	101	59-149	
Freon 123	ug/m3	12.7	6.4	50	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	181	167	42-150	L3
Isopropylbenzene (Cumene)	ug/m3	51	55.5	109	65-150	
m&p-Xylene	ug/m3	47.7	44.6	93	59-146	
Methyl acetate	ug/m3	6.2	5.5	90	50-150	
Methyl-tert-butyl ether	ug/m3	38.5	37.4	97	64-135	
Methylcyclohexane	ug/m3	42.9	45.8	107	70-130	
Methylene Chloride	ug/m3	38.8	35.8	92	64-128	
n-Hexane	ug/m3	37.6	29.2	78	50-138	
o-Xylene	ug/m3	46.8	48.4	103	54-149	
Styrene	ug/m3	45.5	50.4	111	54-150	
Tetrachloroethene	ug/m3	72.4	69.1	95	60-142	
Toluene	ug/m3	41	39.4	96	61-138	
trans-1,2-Dichloroethene	ug/m3	41.1	42.4	103	67-137	
trans-1,3-Dichloropropene	ug/m3	51.7	53.0	103	59-145	
Trichloroethene	ug/m3	57.4	61.7	108	60-144	
Trichlorofluoromethane	ug/m3	58.2	50.3	86	59-134	
Vinyl chloride	ug/m3	26.5	27.0	102	63-135	

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REPORT OF LABORATORY ANALYSIS

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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07501BFB.D

BFB Injection Date: 03/15/2016

Instrument ID: 10AIR7

BFB Injection Time: 10:53

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	29.31
75	30.00 - 66.00% of mass 95	49.49
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.66 (0.87)
174	50.00 - 120.00% of mass 95	76.18
175	4.00 - 9.00% of mass 174	6.53 (8.57)
176	93.00 - 101.00% of mass 174	74.98 (98.43)
177	5.00 - 9.00% of mass 176	4.98 (6.64)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07513.D	03/15/2016	16:06
2	CAL2	CAL2	07514.D	03/15/2016	16:28
3	CAL3	CAL3	07515.D	03/15/2016	16:52
4	CAL4	CAL4	07516.D	03/15/2016	17:16
5	CAL5	CAL5	07517.D	03/15/2016	17:39
6	CAL6	CAL6	07518.D	03/15/2016	18:03
7	CAL7	CAL7	07519.D	03/15/2016	18:29
8	LCS for HBN 405094 [AIR/	2210724	07521_25447.D	03/15/2016	19:14
9	ICV	ICV	07521.D	03/15/2016	19:14
10	BLANK for HBN 405094 [AI	2210723	07523_25447.D	03/15/2016	20:04
11	VP-102_4.5_20160228	10340119001	07526.D	03/15/2016	21:27
12	VP-102_8.5_20160228	10340119002	07527.D	03/15/2016	21:55
13	VP-102_19.5_20160228	10340119003	07528.D	03/15/2016	22:23
14	VP-102_19.5_20160228DU	10340119004	07530.D	03/15/2016	23:12
15	VP-102_51.5_20160228	10340119005	07531.D	03/15/2016	23:39
16	VP-102_57.5_20160228	10340119006	07532.D	03/16/2016	00:06
17	VP-102_57.5_201...(22015	2211000-DUP	07533.D	03/16/2016	00:33
18	VP-102_61.5_20160228	10340119007	07534.D	03/16/2016	01:00
19	VP-102_73.5_20160228	10340119008	07536.D	03/16/2016	01:54
20	VP-103_5_20160228	10340119009	07537.D	03/16/2016	02:21
21	VP-103_10_20160228	10340119010	07538.D	03/16/2016	02:48
22	VP-103_20_20160228	10340119011	07539.D	03/16/2016	03:16
23	VP-103_30_20160228	10340119012	07540.D	03/16/2016	03:44
24	VP-103_40_20160228	10340119013	07541.D	03/16/2016	04:11
25	VP-103_50_20160228	10340119014	07542.D	03/16/2016	04:39

26	VP-103_61.5_20160228	10340119015	07543.D	03/16/2016	05:07
27	VP-103_74.5_20160228	10340119016	07544.D	03/16/2016	05:34
28	LIJ-WP-7_5_20160228	10340119017	07545.D	03/16/2016	06:00
29	LIJ-WP-7_5_20160228DU	10340119018	07547.D	03/16/2016	06:49

Hexachlorobutadiene and 1,2,4-trichlorobenzene
reported from seperate calibration.

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\T015_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\031516.b\07513.D
Level 02: all \\192.168.10.12\chem\10air7.i\031516.b\07514.D
Level 03: all \\192.168.10.12\chem\10air7.i\031516.b\07515.D
Level 04: all \\192.168.10.12\chem\10air7.i\031516.b\07516.D
Level 05: all \\192.168.10.12\chem\10air7.i\031516.b\07517.D
Level 06: all \\192.168.10.12\chem\10air7.i\031516.b\07518.D
Level 07: all \\192.168.10.12\chem\10air7.i\031516.b\07519.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.49169	0.44671	0.41274	0.40133	0.35305	0.36512					
	0.37650						AVRG		0.40673		12.04826
2 Propylene	0.16824	0.19112	0.18178	0.17615	0.16595	0.17385					
	0.17540						AVRG		0.17607		4.79855
3 Dichlorodifluoromethane	0.56484	0.49631	0.44637	0.44644	0.38896	0.40950					
	0.41253						AVRG		0.45214		13.42235
4 Dichlorotetrafluoroethane	0.50656	0.50742	0.45994	0.45460	0.40063	0.43342					
	0.42923						AVRG		0.45597		8.73126

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.35811 0.27271	0.34132	0.30796	0.29744	0.26775	0.27806	AVRG		0.30333	11.53281
6 Vinyl chloride	0.20643 0.16769	0.18634	0.19039	0.18110	0.16277	0.16965	AVRG		0.18062	8.45928
7 1,3-Butadiene	0.13389 0.14251	0.13740	0.14923	0.14789	0.13709	0.14458	AVRG		0.14180	4.11953
8 Bromomethane	0.21057 0.15604	0.20738	0.17779	0.17332	0.15104	0.15816	AVRG		0.17633	13.75388
9 Chloroethane	0.04294 0.07055	0.09538	0.07409	0.07614	0.06706	0.06966	AVRG		0.07083	21.83217
10 Ethanol	0.10533 0.07876	0.10737	0.10503	0.09147	0.08654	0.08948	AVRG		0.09485	11.69544
11 Vinyl Bromide	0.18821 0.14548	0.17206	0.15950	0.15879	0.14718	0.15216	AVRG		0.16048	9.44297

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Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
12 Isopentane	0.31348 0.22851	0.35582	0.30860	0.29539	0.26093	0.24248	AVRG		0.28646	15.64732
13 Acrolein	0.06079 0.06942	0.04736	0.06847	0.06721	0.07350	0.07043	AVRG		0.06531	13.49695
14 Trichlorofluoromethane	0.61009 0.44689	0.58962	0.53411	0.51967	0.47137	0.47346	AVRG		0.52074	11.89818
15 Acetone	0.70738 0.29766	0.61233	0.57724	0.55194	0.40451	0.36904	AVRG		0.50287	29.43315
16 Isopropyl Alcohol	0.58227 0.34289	0.52558	0.49497	0.47430	0.42794	0.39967	AVRG		0.46395	17.36642
17 Acrylonitrile	0.19778 0.15328	0.17812	0.18084	0.18061	0.17383	0.16562	AVRG		0.17573	7.88281
18 1,1-Dichloroethene	0.33664 0.29957	0.35957	0.34741	0.34845	0.32359	0.31292	AVRG		0.33259	6.46477

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.54773 0.33526	0.51141	0.48343	0.45370	0.44198	0.39544	AVRG		0.45271	15.77674
20 Freon 113	0.37774 0.30047	0.37466	0.36295	0.35207	0.33327	0.32410	AVRG		0.34647	8.21964
21 Methylene chloride	0.44997 0.22098	0.41524	0.39219	0.38651	0.31953	0.26188	AVRG		0.34947	24.14024
22 Allyl Chloride	0.06582 0.05791	0.06750	0.06032	0.05983	0.06249	0.06147	AVRG		0.06219	5.46779
23 Carbon Disulfide	0.42635 0.40279	0.43972	0.43674	0.43959	0.40462	0.40509	AVRG		0.42213	4.12213
24 trans-1,2-dichloroethene	0.14876 0.14207	0.18405	0.15436	0.15152	0.14756	0.14831	AVRG		0.15381	9.01254
25 Methyl Tert Butyl Ether	0.55239 0.32884	0.45349	0.45283	0.44489	0.41143	0.37565	AVRG		0.43136	16.33574

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.85578	0.79723	0.76031	0.80075	0.68824	0.62870				
	0.50572						AVRG		0.71953	16.81223
27 1,1-Dichloroethane	0.40182	0.37532	0.38005	0.37464	0.33257	0.32727				
	0.29194						AVRG		0.35480	10.83446
29 Methyl Ethyl Ketone	0.07270	0.07103	0.06689	0.06726	0.06665	0.06435				
	0.05926						AVRG		0.06688	6.56667
30 n-Hexane	0.37881	0.42316	0.35691	0.34837	0.30480	0.30020				
	0.28347						AVRG		0.34225	14.49230
31 Di-isopropyl Ether	1.29505	1.09729	1.03022	1.03146	0.79251	0.56229				
	+++++						AVRG		0.96814	26.41394
32 Ethyl Acetate	0.86176	0.77515	0.62433	0.61705	0.58878	0.54292				
	0.51254						AVRG		0.64607	19.60391
33 cis-1,2-Dichloroethene	0.13695	0.16021	0.16404	0.16646	0.15276	0.15327				
	0.15157						AVRG		0.15504	6.37190

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.85455 0.43057	0.71753	0.69097	0.69464	0.61694	0.50418	AVRG		0.64420	21.98419
35 Chloroform	0.41930 0.33660	0.43015	0.43094	0.43004	0.39122	0.36146	AVRG		0.39996	9.53325
36 Tetrahydrofuran	0.31915 0.26178	0.31056	0.31394	0.31321	0.29123	0.27276	AVRG		0.29752	7.62023
37 1,1,1-Trichloroethane	0.48586 0.43282	0.50955	0.48017	0.49255	0.43852	0.44236	AVRG		0.46883	6.49042
38 1,2-Dichloroethane	0.45871 0.32648	0.43236	0.39564	0.40392	0.38548	0.36233	AVRG		0.39499	11.02937
39 Benzene	0.40044 0.44527	0.45789	0.43796	0.44603	0.42960	0.43768	AVRG		0.43641	4.15938
40 Carbon tetrachloride	0.30443 0.43218	0.34140	0.35987	0.34530	0.39504	0.42504	AVRG		0.37189	12.67295

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.26501	0.26044	0.28401	0.28108	0.29170	0.30132				
	0.29830						AVRG		0.28312	5.55131
42 Tert Amyl Methyl Ether	0.76511	0.58104	0.48790	0.46458	0.45128	0.42242				
	0.37931						AVRG		0.50738	25.54949
44 2,2,4-Trimethylpentane	0.91185	0.85235	0.85102	0.88590	0.89905	0.86714				
	0.80034						AVRG		0.86681	4.29326
45 Heptane	0.43188	0.40042	0.40632	0.42648	0.41211	0.42951				
	0.43406						AVRG		0.42011	3.22901
46 1,2-Dichloropropane	0.18066	0.20113	0.20072	0.19753	0.20142	0.20888				
	0.19499						AVRG		0.19790	4.41051
47 Trichloroethene	0.15429	0.18604	0.18359	0.18854	0.18207	0.18719				
	0.19434						AVRG		0.18229	7.11161
48 1,4-Dioxane	+++++	0.04084	0.07242	0.07428	0.08412	0.09469				
	0.08455						AVRG		0.07515	24.79243

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.37375 0.40166	0.31593	0.33234	0.35435	0.37514	0.39949	AVRG		0.36466	8.88578
50 Methylcyclohexane	+++++ 0.09646	0.05453	0.07590	0.08305	0.08368	0.09155	AVRG		0.08086	18.24565
51 Methyl Isobutyl Ketone	0.72333 0.45941	0.65624	0.62173	0.62993	0.65688	0.56244	AVRG		0.61571	13.65712
52 cis-1,3-Dichloropropene	0.22560 0.27569	0.21835	0.21704	0.23352	0.25723	0.26949	AVRG		0.24242	10.16684
53 trans-1,3-Dichloropropene	0.14631 0.24996	0.16146	0.17086	0.18716	0.22606	0.24312	AVRG		0.19785	21.02635
55 Toluene	0.56377 0.54003	0.48888	0.47509	0.47549	0.50621	0.53225	AVRG		0.51167	6.74099
56 1,1,2-Trichloroethane	0.20413 0.20854	0.19252	0.18321	0.18698	0.19509	0.20861	AVRG		0.19701	5.21411

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	1.03310 0.80525	1.00251	0.99904	1.03949	1.15377	0.99417	AVRG		1.00391	10.30093
58 Dibromochloromethane	0.57001 0.77641	0.51926	0.57923	0.58954	0.71989	0.77087	AVRG		0.64646	16.41206
59 1,2-Dibromoethane	0.60826 0.62661	0.57731	0.55506	0.55058	0.60747	0.62721	AVRG		0.59321	5.43062
60 Tetrachloroethene	0.50882 0.52296	0.43942	0.45044	0.47244	0.47133	0.50821	AVRG		0.48195	6.61488
62 Chlorobenzene	0.71195 0.73572	0.68900	0.67695	0.66811	0.70307	0.73193	AVRG		0.70239	3.71128
63 Ethyl Benzene	1.14285 1.20593	1.07463	0.99496	1.03242	1.17569	1.21009	AVRG		1.11951	7.69127
64 m&p-Xylene	0.82555 0.81087	0.75582	0.70289	0.72543	0.80257	0.79743	AVRG		0.77436	6.04048

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\T015_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	1018	2548	7452	16308	266244	662414					
	1061404						LINR	-0.02020	0.67927		0.99932
66 Styrene	0.40513	0.48048	0.50848	0.53456	0.64972	0.68104					
	0.67491						AVRG		0.56204		19.14724
67 o-Xylene	0.81139	0.84416	0.77161	0.80049	0.92629	0.93687					
	0.92888						AVRG		0.85995		8.08665
68 1,1,2,2-Tetrachloroethane	0.68702	0.64186	0.62767	0.66174	0.71673	0.71321					
	0.68249						AVRG		0.67582		5.02185
69 Isopropylbenzene	1.27402	1.19935	1.07427	1.08035	1.29642	1.27193					
	1.25587						AVRG		1.20746		7.76951
70 N-Propylbenzene	1.04483	1.02734	1.01722	1.15552	1.46919	1.45992					
	1.44615						AVRG		1.23145		17.63472
71 4-Ethyltoluene	0.66633	0.76729	0.74366	0.83224	1.13009	1.16061					
	1.15297						AVRG		0.92188		23.54754

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\T015_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
72 1,3,5-Trimethylbenzene	0.63319 0.94651	0.62077	0.69853	0.73411	0.94579	0.94001	AVRG		0.78841	19.09381
73 Tert-Butyl Benzene	0.62865 1.02408	0.70981	0.67119	0.72988	0.99901	1.04151	AVRG		0.82916	22.08454
74 1,2,4-Trimethylbenzene	0.53148 0.95717	0.56216	0.63686	0.65972	0.94099	0.97950	AVRG		0.75255	26.35433
75 1,3-Dichlorobenzene	0.34308 0.62598	0.35491	0.37969	0.42378	0.59210	0.62595	AVRG		0.47793	27.38358
76 Sec- Butylbenzene	0.78306 1.35459	0.85690	0.92961	0.98709	1.33136	1.38360	AVRG		1.08946	23.67987
78 Benzyl Chloride	295 1097879	1523	5306	13444	278336	710909	LINR	-0.02316	0.71143	0.99901
79 1,4-Dichlorobenzene	0.31447 0.59955	0.40686	0.37590	0.41463	0.57774	0.60395	AVRG		0.47044	25.51185

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
80 p-Isopropyltoluene	0.54933 1.05878	0.66423	0.68188	0.69848	1.00388	1.06658	AVRG		0.81759	26.56127
81 1,2,3-Trimethylbenzene	0.51363 0.83159	0.64087	0.61855	0.66330	0.84846	0.87034	AVRG		0.71239	19.30709
82 1,2-Dichlorobenzene	722 831961	2324	6514	14982	222549	536714	LINR	-0.00887	0.53674	0.99967
83 N-Butylbenzene	1168 1398320	2755	9605	22788	377587	908057	LINR	-0.01644	0.90505	0.99956
84 1,2,4-Trichlorobenzene	++++ 0.11936	++++	++++	0.01943	0.07837	0.10699	AVRG		0.08104	54.93271
85 Naphthalene	++++ 0.22293	++++	0.02241	0.06060	0.14555	0.20898	AVRG		0.13209	67.16408
86 Hexachlorobutadiene	++++ 216137	151	1999	4355	49681	137579	LINR	-0.00589	0.13915	0.99717

Results for 1,2,4-trichlorobenzene reported from a
different calibration - no validation action.

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date   : 15-MAR-2016 16:06
End Cal Date    : 15-MAR-2016 18:29
Quant Method    : ISTD
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\192.168.10.12\chem\10air7.i\031516.b\TO15_075-16.m
Last Edit      : 16-Mar-2016 09:17 10air7.i
```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients			RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2		
	30.0000											
	Level 7											
\$ 28 Hexane-d14(S)	0.55634 0.44137	0.57862	0.53041	0.55532	0.48872	0.47243	AVRG		0.51760		9.81855	
\$ 54 Toluene-d8 (S)	0.83943 0.82732	0.84016	0.85196	0.84345	0.82157	0.81156	AVRG		0.83364		1.68303	
\$ 77 1,4-dichlorobenzene-d4 (S)	0.34753 0.55606	0.38683	0.40840	0.42044	0.56232	0.56497	AVRG		0.46379		20.23501	

Report Date : 16-Mar-2016 09:19

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 16:06
End Cal Date : 15-MAR-2016 18:29
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516.b\T015_075-16.m
Last Edit : 16-Mar-2016 09:17 10air7.i

Average %RSD Results.	
=====	
Calculated Average %RSD = 14.17442	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	
=====	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + ml*Rsp	Amount
=====	=====	=====

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07501BFB.D

BFB Injection Date: 03/15/2016

Instrument ID: 10AIR7

BFB Injection Time: 10:53

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	29.31
75	30.00 - 66.00% of mass 95	49.49
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.66 (0.87)
174	50.00 - 120.00% of mass 95	76.18
175	4.00 - 9.00% of mass 174	6.53 (8.57)
176	93.00 - 101.00% of mass 174	74.98 (98.43)
177	5.00 - 9.00% of mass 176	4.98 (6.64)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07504.D	03/15/2016	12:30
2	CAL2	CAL2	07505.D	03/15/2016	12:52
3	CAL3	CAL3	07506.D	03/15/2016	13:16
4	CAL4	CAL4	07507.D	03/15/2016	13:40
5	CAL5	CAL5	07508.D	03/15/2016	14:07
6	CAL6	CAL6	07509.D	03/15/2016	14:37
7	LCS for HBN 405094 [AIR/	2210724	07511_25447.D	03/15/2016	15:21
8	ICV	ICV	07511.D	03/15/2016	15:21
9	BLANK for HBN 405094 [AI	2210723	07523_25447.D	03/15/2016	20:04
10	VP-102_4.5_20160228	10340119001	07526.D	03/15/2016	21:27
11	VP-102_8.5_20160228	10340119002	07527.D	03/15/2016	21:55
12	VP-102_19.5_20160228	10340119003	07528.D	03/15/2016	22:23
13	VP-102_19.5_20160228DU	10340119004	07530.D	03/15/2016	23:12
14	VP-102_51.5_20160228	10340119005	07531.D	03/15/2016	23:39
15	VP-102_57.5_20160228	10340119006	07532.D	03/16/2016	00:06
16	VP-102_57.5_201...(22015	2211000-DUP	07533.D	03/16/2016	00:33
17	VP-102_61.5_20160228	10340119007	07534.D	03/16/2016	01:00
18	VP-102_73.5_20160228	10340119008	07536.D	03/16/2016	01:54
19	VP-103_5_20160228	10340119009	07537.D	03/16/2016	02:21
20	VP-103_10_20160228	10340119010	07538.D	03/16/2016	02:48
21	VP-103_20_20160228	10340119011	07539.D	03/16/2016	03:16
22	VP-103_30_20160228	10340119012	07540.D	03/16/2016	03:44
23	VP-103_40_20160228	10340119013	07541.D	03/16/2016	04:11
24	VP-103_50_20160228	10340119014	07542.D	03/16/2016	04:39
25	VP-103_61.5_20160228	10340119015	07543.D	03/16/2016	05:07

26	VP-103_74.5_20160228	10340119016	07544.D	03/16/2016	05:34
27	LIJ-WP-7_5_20160228	10340119017	07545.D	03/16/2016	06:00
28	LIJ-WP-7_5_20160228DU	10340119018	07547.D	03/16/2016	06:49

Report Date : 07-Jun-2016 12:04

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 12:30
End Cal Date : 15-MAR-2016 14:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516SIMrework.b\T015cust_075-16.m
Last Edit : 07-Jun-2016 10:40 rprovost

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07504.D
Level 02: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07505.D
Level 03: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07506.D
Level 04: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07507.D
Level 05: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07508.D
Level 06: all \\192.168.10.12\chem\10air7.i\031516SIMrework.b\07509.D

	0.1000000	0.2000000	0.5000000	1.0000	2.0000	3.0000			Coefficients		%RSD
Compound (all.sb)	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
1 Chloropentafluoroethane	+++++	+++++	+++++	+++++	+++++	0.02359 AVRG			0.02359		0.000e+000
2 1,1-Difluoroethane	1.21450	1.09270	0.94262	0.88304	0.87739	0.89162 AVRG			0.98365		14.14150
3 Freon 123	1.01579	0.99263	0.96698	0.94713	0.96756	0.95744 AVRG			0.97459		2.58719
4 Methyl Acetate	2.03835	2.03316	1.93872	2.07157	1.98595	1.89886 AVRG			1.99444		3.30220
10 1,2-Dibromo-3-chloropropane	0.27494	0.21870	0.22255	0.22539	0.28124	0.31795 AVRG			0.25680		15.84481
=====											
\$ 5 Hexane-d14 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <=
\$ 7 Toluene-d8 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <=
\$ 9 1,4-dichlorobenzene-d4 (S)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <=

Report Date : 07-Jun-2016 12:04

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 12:30
End Cal Date : 15-MAR-2016 14:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516SIMrework.b\TO15cust_075-16.m
Last Edit : 07-Jun-2016 10:40 rprovost

Average %RSD Results.	
=====	
Calculated Average %RSD = 27.84981	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	
=====	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
=====	=====	=====

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07601BFB.D

BFB Injection Date: 03/16/2016

Instrument ID: 10AIR7

BFB Injection Time: 07:40

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	30.29
75	30.00 - 66.00% of mass 95	49.54
96	5.00 - 9.00% of mass 95	6.53
173	Less than 2.00% of mass 174	0.96 (1.26)
174	50.00 - 120.00% of mass 95	76.70
175	4.00 - 9.00% of mass 174	6.23 (8.12)
176	93.00 - 101.00% of mass 174	76.15 (99.28)
177	5.00 - 9.00% of mass 176	4.91 (6.45)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07615.D	03/16/2016	13:39
2	LCS for HBN 405151 [AIR/	2211184	07615L2.D	03/16/2016	13:39
3	BLANK for HBN 405151 [AI	2211183	07618B2.D	03/16/2016	15:02
4	LIJ-WP-7_30_20160228	10340119021	07619.D	03/16/2016	15:56
5	LIJ-WP-7_40_20160228	10340119022	07620.D	03/16/2016	16:24
6	LIJ-WP-7_50_20160228	10340119023	07621.D	03/16/2016	16:50
7	LIJ-WP-7_10_20160228	10340119019	07622.D	03/16/2016	17:18
8	LIJ-WP-7_20_20160228	10340119020	07623.D	03/16/2016	17:45

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07601BFB.D

BFB Injection Date: 03/16/2016

Instrument ID: 10AIR7

BFB Injection Time: 07:40

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	30.29
75	30.00 - 66.00% of mass 95	49.54
96	5.00 - 9.00% of mass 95	6.53
173	Less than 2.00% of mass 174	0.96 (1.26)
174	50.00 - 120.00% of mass 95	76.70
175	4.00 - 9.00% of mass 174	6.23 (8.12)
176	93.00 - 101.00% of mass 174	76.15 (99.28)
177	5.00 - 9.00% of mass 176	4.91 (6.45)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07604.D	03/16/2016	09:18
2	CAL2	CAL2	07605.D	03/16/2016	09:41
3	CAL3	CAL3	07606.D	03/16/2016	10:05
4	CAL4	CAL4	07607.D	03/16/2016	10:30
5	CAL5	CAL5	07608.D	03/16/2016	10:53
6	CAL6	CAL6	07609.D	03/16/2016	11:18
7	CAL7	CAL7	07610.D	03/16/2016	11:42
8	ICV	ICV	07612.D	03/16/2016	12:28
9	LCS for HBN 405151 [AIR/	2211184	07612LCS.D	03/16/2016	12:28
10	LCS for HBN 405094 [AIR/	2210724	07612A.D	03/16/2016	12:28
11	BLANK for HBN 405094 [AI	2210723	07617.D	03/16/2016	14:35
12	BLANK for HBN 405151 [AI	2211183	07618.D	03/16/2016	15:02
13	LIJ-WP-7_30_20160228	10340119021	07619.D	03/16/2016	15:56
14	LIJ-WP-7_40_20160228	10340119022	07620.D	03/16/2016	16:24
15	LIJ-WP-7_50_20160228	10340119023	07621.D	03/16/2016	16:50
16	LIJ-WP-7_10_20160228	10340119019	07622.D	03/16/2016	17:18
17	LIJ-WP-7_20_20160228	10340119020	07623.D	03/16/2016	17:45
18	VP-102_8.5_20160228	10340119002	07625.D	03/16/2016	18:39
19	VP-102_19.5_20160228	10340119003	07626.D	03/16/2016	19:07
20	VP-103_30_20160228	10340119012	07627.D	03/16/2016	19:35
21	VP-102_4.5_20160228	10340119001	07628.D	03/16/2016	20:02
22	VP-103_10_20160228	10340119010	07629.D	03/16/2016	20:30
23	VP-102_19.5_20160228DU	10340119004	07631.D	03/16/2016	21:19
24	LIJ-WP-7_5_20160228DU	10340119018	07632.D	03/16/2016	21:46
25	LIJ-WP-7_5_20160228	10340119017	07633.D	03/16/2016	22:13

26	VP-103_50_20160228	10340119014	07634.D	03/16/2016	22:40
27	VP-103_20_20160228	10340119011	07635.D	03/16/2016	23:08
28	VP-103_5_20160228	10340119009	07636.D	03/16/2016	23:36
29	VP-103_40_20160228	10340119013	07637.D	03/17/2016	00:03
30	VP-103_40_20160228	10340119013	07638.D	03/17/2016	00:26
31	VP-103_74.5_20160228	10340119016	07639.D	03/17/2016	00:53
32	VP-103_74.5_20160228	10340119016	07640.D	03/17/2016	01:15
33	VP-102_61.5_20160228	10340119007	07641.D	03/17/2016	01:43
34	VP-102_61.5_20160228	10340119007	07642.D	03/17/2016	02:06
35	VP-102_51.5_20160228	10340119005	07643.D	03/17/2016	02:34
36	VP-102_51.5_20160228	10340119005	07644.D	03/17/2016	02:56
37	VP-102_73.5_20160228	10340119008	07645.D	03/17/2016	03:23
38	VP-102_73.5_20160228	10340119008	07646.D	03/17/2016	03:45
39	VP-102_57.5_20160228	10340119006	07647.D	03/17/2016	04:12
40	VP-102_57.5_20160228	10340119006	07648.D	03/17/2016	04:34
41	VP-103_61.5_20160228	10340119015	07649.D	03/17/2016	05:02
42	VP-103_61.5_20160228	10340119015	07650.D	03/17/2016	05:24

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 09:18
End Cal Date : 16-MAR-2016 11:42
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031616.b\T015_076-16.m
Last Edit : 16-Mar-2016 12:08 mlytle

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\031616.b\07604.D
Level 02: all \\192.168.10.12\chem\10air7.i\031616.b\07605.D
Level 03: all \\192.168.10.12\chem\10air7.i\031616.b\07606.D
Level 04: all \\192.168.10.12\chem\10air7.i\031616.b\07607.D
Level 05: all \\192.168.10.12\chem\10air7.i\031616.b\07608.D
Level 06: all \\192.168.10.12\chem\10air7.i\031616.b\07609.D
Level 07: all \\192.168.10.12\chem\10air7.i\031616.b\07610.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.46795	0.44496	0.44503	0.42728	0.39785	0.38713					
	0.39323						AVRG		0.42335		7.35148
2 Propylene	0.25454	0.20838	0.18372	0.19810	0.18972	0.18638					
	0.18959						AVRG		0.20149		12.31957
3 Dichlorodifluoromethane	0.50457	0.49081	0.45182	0.44541	0.41819	0.42419					
	0.43026						AVRG		0.45218		7.39135
4 Dichlorotetrafluoroethane	0.55049	0.49074	0.46085	0.44245	0.44081	0.44884					
	0.44660						AVRG		0.46868		8.52863

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.34833 0.28431	0.34556	0.32982	0.31161	0.31010	0.29729	AVRG		0.31815	7.57709
6 Vinyl chloride	0.19750 0.18272	0.18041	0.19909	0.19643	0.19294	0.18315	AVRG		0.19032	4.18225
7 1,3-Butadiene	0.11286 0.15500	0.18131	0.16799	0.16251	0.16101	0.15646	AVRG		0.15673	13.56013
8 Bromomethane	0.17995 0.16690	0.21646	0.18605	0.18364	0.17719	0.16823	AVRG		0.18263	9.07754
9 Chloroethane	0.04397 0.07376	0.07450	0.07641	0.07934	0.07822	0.07480	AVRG		0.07157	17.23910
10 Ethanol	0.12361 0.08113	0.12510	0.10573	0.11122	0.08453	0.08129	AVRG		0.10180	19.10278
11 Vinyl Bromide	0.19114 0.15557	0.18579	0.17993	0.16871	0.17102	0.16116	AVRG		0.17333	7.47182

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
12 Isopentane	0.37820 0.22785	0.36972	0.35528	0.33292	0.28530	0.26040	AVRG		0.31567	18.46586
13 Acrolein	0.04460 0.07576	0.05460	0.07014	0.07364	0.08407	0.07704	AVRG		0.06855	20.29541
14 Trichlorofluoromethane	0.63739 0.46305	0.61946	0.59243	0.54044	0.53539	0.48526	AVRG		0.55335	11.95129
15 Acetone	0.69109 0.31894	0.67655	0.62279	0.61119	0.43339	0.37764	AVRG		0.53308	28.61895
16 Isopropyl Alcohol	0.62553 0.34682	0.59875	0.51118	0.52442	0.41728	0.38349	AVRG		0.48678	22.01231
17 Acrylonitrile	0.18112 0.16156	0.20354	0.18983	0.19768	0.19174	0.17091	AVRG		0.18519	8.05780
18 1,1-Dichloroethene	0.37730 0.32365	0.39934	0.39942	0.37036	0.37500	0.33260	AVRG		0.36824	8.09419

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.58912 0.34121	0.55219	0.50955	0.50427	0.44142	0.37799	AVRG		0.47368	19.16734
20 Freon 113	0.42382 0.31041	0.37840	0.38399	0.37365	0.36228	0.33141	AVRG		0.36628	10.08029
21 Methylene chloride	0.50124 0.22304	0.43965	0.42775	0.40589	0.36357	0.27450	AVRG		0.37652	25.92200
22 Allyl Chloride	0.06339 0.06180	0.06552	0.06756	0.06435	0.07235	0.06560	AVRG		0.06580	5.19160
23 Carbon Disulfide	0.60737 0.42399	0.52358	0.47474	0.47188	0.46296	0.42686	AVRG		0.48448	13.14282
24 trans-1,2-dichloroethene	0.13402 0.15021	0.15386	0.15970	0.16476	0.16640	0.15609	AVRG		0.15501	7.03218
25 Methyl Tert Butyl Ether	0.47566 0.33934	0.44643	0.45538	0.46861	0.44275	0.38304	AVRG		0.43017	11.65266

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	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.91759 0.60842	0.88103	0.88508	0.86786	0.80861	0.74310	AVRG		0.81595	13.28194
27 1,1-Dichloroethane	0.37835 0.33876	0.40719	0.39125	0.39720	0.37519	0.34420	AVRG		0.37602	6.91690
29 Methyl Ethyl Ketone	0.06982 0.06343	0.06904	0.07191	0.07002	0.06636	0.06601	AVRG		0.06808	4.29432
30 n-Hexane	0.49841 0.28605	0.42514	0.38139	0.37180	0.34757	0.32389	AVRG		0.37632	18.49314
31 Di-isopropyl Ether	1.14652 ++++	1.08738	1.09362	1.08273	0.79952	0.58676	AVRG		0.96609	23.08864
32 Ethyl Acetate	0.82034 0.53532	0.82358	0.67826	0.66531	0.61247	0.57464	AVRG		0.67285	16.81090
33 cis-1,2-Dichloroethene	0.16734 0.16085	0.18512	0.17664	0.17311	0.16732	0.16190	AVRG		0.17033	5.05759

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.76123 0.43534	0.72883	0.71764	0.73378	0.64491	0.53100	AVRG		0.65039	18.87740
35 Chloroform	0.47395 0.34690	0.46838	0.44931	0.44214	0.41940	0.38058	AVRG		0.42581	11.04092
36 Tetrahydrofuran	0.34233 0.27969	0.32088	0.32970	0.33018	0.30010	0.28523	AVRG		0.31259	7.77363
37 1,1,1-Trichloroethane	0.48911 0.45821	0.47907	0.50410	0.48129	0.46774	0.45948	AVRG		0.47700	3.47596
38 1,2-Dichloroethane	0.43193 0.36928	0.46411	0.45893	0.41560	0.42203	0.38118	AVRG		0.42044	8.52344
39 Benzene	0.47695 0.46597	0.49268	0.48330	0.44840	0.46860	0.45819	AVRG		0.47059	3.20093
40 Carbon tetrachloride	0.36349 0.45541	0.35932	0.37983	0.34930	0.43738	0.44511	AVRG		0.39855	11.43092

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.26279 0.31277	0.31961	0.29392	0.29129	0.32331	0.31504	AVRG		0.30268	7.09202
42 Tert Amyl Methyl Ether	0.74271 0.39374	0.57966	0.49733	0.48723	0.47106	0.43946	AVRG		0.51588	22.30630
44 2,2,4-Trimethylpentane	0.84969 0.84349	0.92804	0.90789	0.90272	0.96685	0.92394	AVRG		0.90323	4.85733
45 Heptane	0.43463 0.45953	0.44010	0.43863	0.43331	0.43673	0.45656	AVRG		0.44278	2.41741
46 1,2-Dichloropropane	0.21626 0.21740	0.17644	0.19942	0.21272	0.21419	0.21090	AVRG		0.20676	7.07609
47 Trichloroethene	0.17244 0.21189	0.18579	0.18505	0.19252	0.20094	0.19360	AVRG		0.19175	6.55258
48 1,4-Dioxane	+++++ 0.09652	0.05041	0.06095	0.08725	0.09169	0.08822	AVRG		0.07918	23.72304

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.36184	0.36456	0.38134	0.38168	0.39976	0.41558				
	0.43170						AVRG		0.39092	6.65997
50 Methylcyclohexane	+++++	0.05767	0.07556	0.08980	0.08845	0.09419				
	0.10106						AVRG		0.08446	18.43369
51 Methyl Isobutyl Ketone	0.73194	0.70137	0.63624	0.67121	0.66149	0.56710				
	0.47528						AVRG		0.63495	13.78076
52 cis-1,3-Dichloropropene	0.21792	0.22304	0.24152	0.25167	0.26665	0.27729				
	0.29343						AVRG		0.25307	11.02705
53 trans-1,3-Dichloropropene	0.19045	0.19268	0.20101	0.20789	0.23785	0.25071				
	0.26793						AVRG		0.22122	13.90276
55 Toluene	0.54044	0.50046	0.50053	0.48441	0.51981	0.54583				
	0.56000						AVRG		0.52164	5.36160
56 1,1,2-Trichloroethane	0.22002	0.20315	0.19464	0.18549	0.19813	0.21512				
	0.22379						AVRG		0.20576	6.91804

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	1.17558 0.87762	1.22750	1.05266	1.11619	1.32172	1.07912	AVRG		1.12149	12.62538
58 Dibromochloromethane	0.68276 0.86505	0.63255	0.65039	0.64768	0.80371	0.84501	AVRG		0.73245	13.84485
59 1,2-Dibromoethane	0.55335 0.69793	0.61308	0.58341	0.58413	0.68197	0.69083	AVRG		0.62924	9.50148
60 Tetrachloroethene	0.52333 0.57570	0.48392	0.49218	0.46473	0.51756	0.54579	AVRG		0.51474	7.40677
62 Chlorobenzene	0.79025 0.81339	0.71733	0.71461	0.67020	0.75994	0.79811	AVRG		0.75198	7.01820
63 Ethyl Benzene	1.11992 1.31918	1.05262	1.02673	1.05585	1.27830	1.31181	AVRG		1.16634	11.27932
64 m&p-Xylene	0.85570 0.87989	0.82755	0.74971	0.78049	0.87086	0.88457	AVRG		0.83554	6.27373

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	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	1423 1142917	2720	7670	16783	257648	665546	LINR	-0.02582	0.76852		0.99873
66 Styrene	0.44046 0.75868	0.50972	0.52308	0.55126	0.73233	0.73596	AVRG		0.60736		21.53992
67 o-Xylene	0.87252 1.02767	0.83912	0.81370	0.82839	1.02175	1.01429	AVRG		0.91678		10.83954
68 1,1,2,2-Tetrachloroethane	0.79415 0.78246	0.75301	0.62900	0.69335	0.84863	0.76686	AVRG		0.75249		9.52603
69 Isopropylbenzene	1.33159 1.38267	1.19815	1.10099	1.09693	1.41408	1.37963	AVRG		1.27201		10.78490
70 N-Propylbenzene	1.26584 1.62541	1.18931	1.09933	1.20156	1.70978	1.59071	AVRG		1.38313		18.03457
71 4-Ethyltoluene	0.85840 1.26941	0.87230	0.79397	0.85721	1.28425	1.22751	AVRG		1.02329		21.87118

Report Date : 16-Mar-2016 13:24

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 09:18
End Cal Date : 16-MAR-2016 11:42
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031616.b\TO15_076-16.m
Last Edit : 16-Mar-2016 12:08 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	0.75812 1.05454	0.76437	0.70624	0.78056	1.09007	1.02099	AVRG		0.88213		18.67019
73 Tert-Butyl Benzene	0.71729 1.14598	0.69624	0.70790	0.74402	1.17145	1.10949	AVRG		0.89891		25.45725
74 1,2,4-Trimethylbenzene	2229 1579688	4614	11231	26253	407719	932488	LINR	-0.01368	1.06649		0.99931
75 1,3-Dichlorobenzene	1548 1043192	3095	6855	15527	245579	589972	LINR	-0.02034	0.69652		0.99811
76 Sec- Butylbenzene	1.02054 1.51778	0.99527	0.96371	1.02830	1.57129	1.44956	AVRG		1.22092		22.61670
78 Benzyl Chloride	1612 1183927	3227	6246	14653	291182	687312	LINR	-0.02069	0.79737		0.99909
79 1,4-Dichlorobenzene	1586 996538	3195	6904	16129	242566	568566	LINR	-0.01506	0.66658		0.99854

Report Date : 16-Mar-2016 13:24

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 09:18
End Cal Date : 16-MAR-2016 11:42
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031616.b\TO15_076-16.m
Last Edit : 16-Mar-2016 12:08 mlytle

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 p-Isopropyltoluene	2589 1726897	5244	12110	28194	439757	1028453	LINR	-0.01667	1.16834		0.99961
81 1,2,3-Trimethylbenzene	2300 1392124	4822	11105	24966	367261	822416	LINR	-0.00656	0.93923		0.99907
82 1,2-Dichlorobenzene	1450 866817	2761	6137	14186	215281	498200	LINR	-0.01114	0.58093		0.99877
83 N-Butylbenzene	1848 1509206	4291	9255	23193	385105	895055	LINR	-0.01676	1.02095		0.99950
84 1,2,4-Trichlorobenzene	++++ 185075	++++	125	1279	40914	106767	LINR	-0.01067	0.12677		0.99865
85 Naphthalene	743 ++++	908	1149	3159	124236	++++	LINR	-0.01099	0.34498		0.99571
86 Hexachlorobutadiene	++++ 222594	860	1821	5152	55791	132117	LINR	-0.00152	0.15004		0.99966

Report Date : 16-Mar-2016 13:24

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```

Start Cal Date   : 16-MAR-2016 09:18
End Cal Date     : 16-MAR-2016 11:42
Quant Method     : ISTD
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\192.168.10.12\chem\10air7.i\031616.b\TO15_076-16.m
Last Edit       : 16-Mar-2016 12:08 mlytle

```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14 (S)	0.57841	0.57615	0.57524	0.55936	0.50435	0.46766			0.53437		9.15218
	0.47942						AVRG				
\$ 54 Toluene-d8 (S)	0.82557	0.84184	0.84978	0.85281	0.78802	0.77743					
	0.80513						AVRG		0.82008		3.70116
\$ 77 1,4-dichlorobenzene-d4 (S)	0.41312	0.43049	0.37603	0.42941	0.55689	0.52900					
	0.55643						AVRG		0.47019		15.95701

Report Date : 16-Mar-2016 13:24

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 09:18
End Cal Date : 16-MAR-2016 11:42
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031616.b\T015_076-16.m
Last Edit : 16-Mar-2016 12:08 mlytle

Average %RSD Results.	
=====	
Calculated Average %RSD = 14.91701	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	
=====	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + ml*Rsp	Amount
=====	=====	=====

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10340119

Lab File ID: 07701.D

BFB Injection Date: 03/17/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:26

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	33.78
75	30.00 - 66.00% of mass 95	50.62
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	1.49 (1.95)
174	50.00 - 120.00% of mass 95	76.47
175	4.00 - 9.00% of mass 174	6.39 (8.36)
176	93.00 - 101.00% of mass 174	73.64 (96.29)
177	5.00 - 9.00% of mass 176	4.99 (6.77)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	07702.D	03/17/2016	09:49
2	BLK	BLK	07703.D	03/17/2016	11:52
3	12250IC	12250IC	07704.D	03/17/2016	12:19
4	12252IC	12252IC	07705.D	03/17/2016	12:46
5	12251IC	12251IC	07706.D	03/17/2016	13:13
6	LIJ-WP-7_40_20160228	10340119022	07707.D	03/17/2016	13:35
7	LIJ-WP-7_50_20160228	10340119023	07708.D	03/17/2016	13:58
8	LIJ-WP-7_10_20160228	10340119019	07711.D	03/17/2016	15:20
9	LIJ-WP-7_20_20160228	10340119020	07712.D	03/17/2016	15:43

Data File: \\192.168.10.12\chem\10air7.i\031716.b\07702.D
Report Date: 17-Mar-2016 11:38

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 17-MAR-2016 09:49
Lab File ID: 07702.D Init. Cal. Date(s): 16-MAR-2016 16-MAR-2016
Analysis Type: AIR Init. Cal. Times: 09:18 11:42
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\031716.b\TO15_076-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.42335	0.43674	0.43674	0.010	3.16366	30.00000	Aver	
2 Propylene	0.20149	0.20774	0.20774	0.010	3.10052	30.00000	Aver	
3 Dichlorodifluoromethane	0.45218	0.45480	0.45480	0.010	0.57945	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.46868	0.47744	0.47744	0.010	1.86725	30.00000	Aver	
5 Chloromethane	0.31815	0.34078	0.34078	0.010	7.11560	30.00000	Aver	
6 Vinyl chloride	0.19032	0.20837	0.20837	0.010	9.48495	30.00000	Aver	
7 1,3-Butadiene	0.15673	0.17767	0.17767	0.010	13.35511	30.00000	Aver	
8 Bromomethane	0.18263	0.18874	0.18874	0.010	3.34437	30.00000	Aver	
9 Chloroethane	0.07157	0.08317	0.08317	0.010	16.20908	30.00000	Aver	(M)
10 Ethanol	0.10180	0.09692	0.09692	0.005	-4.79264	30.00000	Aver	
11 Vinyl Bromide	0.17333	0.18524	0.18524	0.010	6.87306	30.00000	Aver	
12 Isopentane	0.31567	2.60597	2.60597	0.010	726	30.00000	Aver	(AM) <-
13 Acrolein	0.06855	0.08853	0.08853	0.010	29.14247	30.00000	Aver	
14 Trichlorofluoromethane	0.55335	0.57461	0.57461	0.010	3.84292	30.00000	Aver	
15 Acetone	0.53308	0.54010	0.54010	0.010	1.31588	30.00000	Aver	
16 Isopropyl Alcohol	0.48678	0.45369	0.45369	0.010	-6.79844	30.00000	Aver	
17 Acrylonitrile	0.18519	0.20984	0.20984	0.010	13.30913	30.00000	Aver	
18 1,1-Dichloroethene	0.36824	0.39587	0.39587	0.010	7.50414	30.00000	Aver	(M)
19 Tert Butyl Alcohol (TBA)	0.47368	0.48412	0.48412	0.010	2.20349	30.00000	Aver	(M)
20 Freon 113	0.36628	0.38781	0.38781	0.010	5.87885	30.00000	Aver	
21 Methylene chloride	0.37652	0.38187	0.38187	0.010	1.41983	30.00000	Aver	
22 Allyl Chloride	0.06580	0.07265	0.07265	0.010	10.42222	30.00000	Aver	
23 Carbon Disulfide	0.48448	0.49366	0.49366	0.010	1.89376	30.00000	Aver	
24 trans-1,2-dichloroethene	0.15501	0.17769	0.17769	0.010	14.63263	30.00000	Aver	(M)
25 Methyl Tert Butyl Ether	0.43017	0.48210	0.48210	0.010	12.06993	30.00000	Aver	(M)
26 Vinyl Acetate	0.81595	0.85040	0.85040	0.010	4.22120	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.37602	0.39895	0.39895	0.010	6.09901	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.53437	0.50041	0.50041	0.010	-6.35484	30.00000	Aver	
29 Methyl Ethyl Ketone	0.06808	0.07458	0.07458	0.010	9.53611	30.00000	Aver	
30 n-Hexane	0.37632	0.33798	0.33798	0.010	-10.18855	30.00000	Aver	(M)
31 Di-isopropyl Ether	0.96609	0.89385	0.89385	0.010	-7.47767	30.00000	Aver	
32 Ethyl Acetate	0.67285	0.73371	0.73371	0.010	9.04622	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.17033	0.18184	0.18184	0.010	6.75773	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.65039	0.71085	0.71085	0.010	9.29625	30.00000	Aver	
35 Chloroform	0.42581	0.46083	0.46083	0.010	8.22424	30.00000	Aver	
36 Tetrahydrofuran	0.31259	0.32441	0.32441	0.010	3.78223	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.47700	0.52368	0.52368	0.010	9.78560	30.00000	Aver	
38 1,2-Dichloroethane	0.42044	0.45901	0.45901	0.010	9.17513	30.00000	Aver	
39 Benzene	0.47059	0.49596	0.49596	0.010	5.39123	30.00000	Aver	
40 Carbon tetrachloride	0.39855	0.46520	0.46520	0.010	16.72352	30.00000	Aver	
41 Cyclohexane	0.30268	0.34587	0.34587	0.010	14.27171	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.51588	0.51986	0.51986	0.010	0.77112	30.00000	Aver	

Data File: \\192.168.10.12\chem\10air7.i\031716.b\07702.D
Report Date: 17-Mar-2016 11:38

QC Flag Legend

- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10air7.i\031716.b\07702.D
Report Date: 17-Mar-2016 11:38

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 17-MAR-2016 09:49
Lab File ID: 07702.D Init. Cal. Date(s): 16-MAR-2016 16-MAR-2016
Analysis Type: AIR Init. Cal. Times: 09:18 11:42
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\031716.b\TO15_076-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	0.90323	1.05276	1.05276	0.010	16.55447	30.00000	Aver	
45 Heptane	0.44278	0.65404	0.65404	0.010	47.71050	30.00000	Aver	<-
46 1,2-Dichloropropane	0.20676	0.22407	0.22407	0.010	8.36859	30.00000	Aver	(M)
47 Trichloroethene	0.19175	0.20887	0.20887	0.010	8.92890	30.00000	Aver	
48 1,4-Dioxane	0.07918	0.09521	0.09521	0.010	20.25312	30.00000	Aver	(M)
49 Bromodichloromethane	0.39092	0.43276	0.43276	0.010	10.70354	30.00000	Aver	
50 Methylcyclohexane	0.08446	0.09585	0.09585	0.010	13.48890	30.00000	Aver	
51 Methyl Isobutyl Ketone	0.63495	0.74181	0.74181	0.010	16.83073	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.25307	0.28739	0.28739	0.010	13.56008	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.22122	0.23629	0.23629	0.010	6.81307	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.82008	0.78931	0.78931	0.010	-3.75211	30.00000	Aver	
55 Toluene	0.52164	0.57054	0.57054	0.010	9.37559	30.00000	Aver	
56 1,1,2-Trichloroethane	0.20576	0.21814	0.21814	0.010	6.01567	30.00000	Aver	
57 Methyl Butyl Ketone	1.12149	1.42573	1.42573	0.010	27.12899	30.00000	Aver	
58 Dibromochloromethane	0.73245	0.87233	0.87233	0.010	19.09844	30.00000	Aver	
59 1,2-Dibromoethane	0.62924	0.73762	0.73762	0.010	17.22318	30.00000	Aver	
60 Tetrachloroethene	0.51474	0.55678	0.55678	0.010	8.16705	30.00000	Aver	
62 Chlorobenzene	0.75198	0.82560	0.82560	0.010	9.79148	30.00000	Aver	
63 Ethyl Benzene	1.16634	1.39777	1.39777	0.010	19.84198	30.00000	Aver	
64 m&p-Xylene	0.83554	0.94188	0.94188	0.010	12.72796	30.00000	Aver	
65 Bromoform	10.00000	9.85500	0.73155	0.010	-1.45005	30.00000	Line	
66 Styrene	0.60736	0.78417	0.78417	0.010	29.11117	30.00000	Aver	
67 o-Xylene	0.91678	1.11732	1.11732	0.010	21.87524	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	0.75249	0.88678	0.88678	0.010	17.84521	30.00000	Aver	
69 Isopropylbenzene	1.27201	1.54192	1.54192	0.010	21.21934	30.00000	Aver	
70 N-Propylbenzene	1.38313	1.82552	1.82552	0.010	31.98417	30.00000	Aver	(M) <-
71 4-Ethyltoluene	1.02329	1.39262	1.39262	0.010	36.09161	30.00000	Aver	<-
72 1,3,5-Trimethylbenzene	0.88213	1.15878	1.15878	0.010	31.36260	30.00000	Aver	<-
73 Tert-Butyl Benzene	0.89891	1.25740	1.25740	0.010	39.88063	30.00000	Aver	<-
74 1,2,4-Trimethylbenzene	10.00000	11.19564	1.18033	0.010	11.95642	30.00000	Line	
75 1,3-Dichlorobenzene	10.00000	10.66079	0.72221	0.010	6.60787	30.00000	Line	
76 Sec- Butylbenzene	1.22092	1.70986	1.70986	0.010	40.04663	30.00000	Aver	<-
77 1,4-dichlorobenzene-d4 (S)	0.47019	0.42883	0.42883	0.010	-8.79639	30.00000	Aver	
78 Benzyl Chloride	10.00000	10.23275	0.79523	0.010	2.32754	30.00000	Line	
79 1,4-Dichlorobenzene	10.00000	10.71347	0.69908	0.010	7.13467	30.00000	Line	
80 p-Isopropyltoluene	10.00000	11.16768	1.28810	0.010	11.67681	30.00000	Line	
81 1,2,3-Trimethylbenzene	10.00000	11.43615	1.06756	0.010	14.36153	30.00000	Line	
82 1,2-Dichlorobenzene	10.00000	10.87910	0.62086	0.010	8.79102	30.00000	Line	
83 N-Butylbenzene	10.00000	11.68215	1.17593	0.010	16.82152	30.00000	Line	
84 1,2,4-Trichlorobenzene	10.00000	9.75978	0.11306	0.010	-2.40217	30.00000	Line	
85 Naphthalene	10.00000	7.67422	0.25376	0.010	-23.25782	30.00000	Line	
86 Hexachlorobutadiene	10.00000	11.69492	0.17395	0.010	16.94917	30.00000	Line	

Data File: \\192.168.10.12\chem\10air7.i\031716.b\07702.D
Report Date: 17-Mar-2016 11:38

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 20.72914
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

**APPENDIX E—NESTED WELL SOIL VAPOR SAMPLE COLLECTION
LOGS - IPARK**

Pace Analytical
www.pacelabs.com

www.pace-labs.com

* MODIFIED COC LIST



The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-102_4.5											
VP-102_8.5											
VP-102_19.5											
VP-102_51.5											
VP-102_57.5											
VP-102_61.5											
VP-102_73.5											
VP-103_5	2702	0150									
VP-103_10											
VP-103_20											
VP-103_30											
VP-103_40											
VP-103_50											
VP-103_61.5											
VP-103_74.5											
VP-104_5											
VP-104_10											
VP-104_19											

Nested Soil Vapor Point Field Log
 Lockheed Martin Corporation
 Former Unisys Facility

1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-104_30											
VP-104_40											
VP-104_50											
VP-104_62											
VP-104_73											
VP-107_5											
VP-107_13											
VP-107_20											
VP-107_33.5											
VP-107_44											
VP-107_60											
VP-107_74											
LJJ-VP-7_5											
LJJ-VP-7_10											
LJJ-VP-7_20											
LJJ-VP-7_30											
LJJ-VP-7_40											
LJJ-VP-7_50											
FPM-20_5											

Nested Soil Vapor Point Field Log
Lockheed Martin Corporation
Former Unisys Facility

1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
FPM-20_9.4											
VP-8_5											
VP-8_10											
VP-8_20											
VP-8D_53.5											
VP-8D_62.5											
VP-8D_72.5											
VP-NYSDEC-5_5											
VP-NYSDEC-5_10											
VP-NYSDEC-5_20											
VP-NYSDEC-5_30											
VP-NYSDEC-5_40											
VP-NYSDEC-5_50											
VP-9_10											
VP-9_20											
VP-9_30											
VP-9_40											
VP-9_50											
VP-9_60											



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-105_5											
VP-105_10											
VP-105_20											
VP-105_32											
VP-105_50											
VP-105_60											
VP-105_72											
VP-1_5											
VP-1_10											
VP-1_20											
VP-1_30											
VP-2_5											
VP-2_10											
VP-2_20											
VP-2_30											
VP-3_5	2702	0158	2/2/16	0758	-29.5	56.1	30-21	0937 1034	-7.0	56.0 61.5	30-21
VP-3_10	1051	0239	2/2/16	0758	-29	56.1	30-21	0937	-7.0	61.5	30-21
VP-3_20	0808	0176	2/2/16	0758	-29	56.2	30-21	1036	-7.5	56.0	30-21
VP-3_30	2372	0171	2/2/16	0758	-30	56.0	30-21	1037 1040	-7	56.0 56.2	30-21

Nested Soil Vapor Point Field Log
Lockheed Martin Corporation
Former Unisys Facility

1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-3D_40	2336	0192	2/2/10	0758	-29.5	56.0	30.21	1037	-7	56.0	30.21
VP-3D_51	2307	0193	2/2/10	0758	-29	56.2	30.21	1028	-7	56.0	30.23
VP-3D_61	0072	0074	2/2/10	0758	30		30.21				
VP-3D_73	1243	0155	2/2/10	0758	29.5						
VP-4_5											
VP-4_10											
VP-4_20											
VP-4_30											
VP-5_5											
VP-5_10											
VP-5_20											
VP-5_30											
VP-6_5											
VP-6_10											
VP-6_20											
VP-6_30											
VP-101_5											
VP-101_15											
VP-101_27											

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-106_5											
VP-106_11											
VP-106_19.5											
VP-106_28											
VP-106_56											
VP-106_72											
VP-106_84											
VP-108_5	0053	0149	2/2/16	0841	-29.5	45.6	30.21	1110	-8	58.7	30-22
VP-108_10	0804	0166	2/2/16	0841	-29	45.6	30.21	1116	-8	58.7	30-22
VP-108_20	2104	0167	2/2/16	0842	-30	45.6	30.21	1122	-8	58.7	30-22
VP-108_29.5	2318	0170	2/2/16	0842	-28	45.6	30.21	1110	-8.5	58.7	30-22
VP-108D_50.5	1249	0194	2/2/16	0840	-30	45.6	30.21	1114	-8	58.7	30-22
VP-108D_60	0818	0245	2/2/16	0840	-29.5	45.6	30.21	1123	-8	58.7	30-22
VP-108D_70	2333	0185	2/2/16	0840	-30	45.6	30.21	1145	-8	58.7	30-22



TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-3-5

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 5 - Liter 1 - Liter

Sample ID: VP-3-5-20160102

Sampler Name: C. Stevens

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2702</u>	<u>FC0158</u>	<u>0758</u>	<u>2/2/16</u>	<u>-29.5</u>	<u>2/2/16</u>	<u>1034</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0924</u>	<u>0.0</u>	<u>56.1</u>	<u>30.21</u>
Sampling End	<u>1034</u>	<u>0.0</u>	<u>56.0</u>	<u>30.21</u>

OBSERVATIONS/NOTES

0900 | -21
0946 | -11

SHUT IN TEST COMPLETED
ON SAMPLE TRAIN. TEST PASSED

TABLE 2
Sample Collection Log
 To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-3-5

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 5 (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: ~~VP-3-5-20160202DUP~~ VP-3-5-20160202DUP

Sampler Name: CESTER dnp

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2745</u>	<u>FC0196</u>	<u>0258</u>	<u>2/2/16</u>	<u>-30</u>	<u>2/2/16</u>	<u>1119</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEITHLEY 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0924</u>	<u>0.0</u>	<u>56.2</u>	<u>30.21</u>
Sampling End	<u>1119</u>	<u>0.0</u>	<u>56.0</u>	<u>30.21</u>

OBSERVATIONS/NOTES	
<u>0858</u>	<u>-22</u>
<u>1004</u>	<u>-15</u>

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: 7 VP-3-10

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 10 (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-3-10-20160202

Sampler Name: C. Kesteven

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1051</u>	<u>FC0239</u>	<u>2/2/16</u>	<u>0758</u>	<u>-29</u>	<u>2/2/16</u>	<u>0937</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0922</u>	<u>0.0</u>	<u>56.1</u>	<u>-30.2</u>
				<u>db</u>
Sampling End	<u>0937</u>	<u>0.0</u>	<u>61.5</u>	<u>-7</u>

OBSERVATIONS/NOTES

0858	<u>0858</u>	<u>-13</u>	<u>WATER CONDENSATION VISIBLE IN SAMPLE TUBING, VISIBLY BEING DRAWN INTO CANISTER</u>
	<u>0902</u>	<u>-12</u>	

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-3-20

Date: 2/2/16

Sample Type (Circle) OS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 20 (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-3-20-20160202

Sampler Name: C. Esterer

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0808</u>	<u>FC0176</u>	<u>2/2/16</u>	<u>0758</u>	<u>-29</u>	<u>1036</u>	<u>12/2/16</u>	<u>-7.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0722</u>	<u>0.0</u>	<u>56.2</u>	<u>30.21</u>
Sampling End	<u>1036</u>	<u>0.0</u>	<u>56.0</u>	<u>30.21</u>

OBSERVATIONS/NOTES

0858 | -20

1004 | -11

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: ~~VP-30-30~~ VP-3

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 30 (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-3-30-20160202

Sampler Name: C. F. Stewart

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>07 2372</u>	<u>FC0171</u>	<u>2/2/16</u>	<u>0752</u>	<u>-30</u>	<u>1040</u>	<u>2/2/16</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0923</u>	<u>0.0</u>	<u>56.0</u>	<u>30.21</u>
Sampling End	<u>1040</u>	<u>0.0</u>	<u>56.2</u>	<u>30.41</u>

OBSERVATIONS/NOTES

0856 -24
 1004 -12

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-3D-40

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 40 (feet)

Canister Volume (circle) 8 - Liter 1 - Liter

Sample ID: VP-3D-40-2060202

Sampler Name: C. ESTERL

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2336	FC0192	2/2/16	0758	-29.5	2/2/16	1037	-7

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEITHLEY 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	0925	0.0	56.0	30.21
Sampling End	1037	0.0	56.0	30.21

OBSERVATIONS/NOTES

0901 = 20.5
 1010 = 11

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-3D-51

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 51 (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-3D-51-20160202

Sampler Name: C. F. J. H. R. 2

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2307</u>	<u>FC0193</u>	<u>2/2/16</u>	<u>0758</u>	<u>-29</u>	<u>2/2/16</u>	<u>1025</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KETREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0925</u>	<u>0.0</u>	<u>56.2</u>	<u>30.21</u>
Sampling End	<u>1025</u>	<u>0.0</u>	<u>56.0</u>	<u>30.23</u>

OBSERVATIONS/NOTES

0902 -19
 1006 -10

THREADING ON FC RAD!
 * Meter off cross THREADED
 , restarted it, read 56.0

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: VP-3D-61

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 61 (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-3D-61-20160202

Sampler Name: C Estevez

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0622</u>	<u>FC0177</u>	<u>2/2/16</u>	<u>0847</u>	<u>-29</u>	<u>2/2/16</u>	<u>1112</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KETREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0925</u>	<u>0.0</u>	<u>56.1</u>	<u>30.21</u>
Sampling End	<u>1112</u>	<u>0.0</u>	<u>56.1</u>	<u>30.21</u>

OBSERVATIONS/NOTES

0903 -27
1046 -15

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

BAD Regulator

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-3D-61

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 61 (feet)

Canister Volume (circle) 5 - Liter 1 - Liter

Sample ID: VP-3D-61-2060202

Sampler Name: C. E. STEVE

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0872</u>	<u>FL0074</u>	<u>2/2/16</u>	<u>0758</u>	<u>-30</u>	<u>0845</u>		

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
Sampling End				

OBSERVATIONS/NOTES

* Bad Regulator
pressure at -12 ~~for~~ 50 minutes
after

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-3D-73

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 73 (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-3D-73 20160202

Sampler Name: C. Estevez

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0859</u>	<u>0162</u>	<u>2/2/16</u>	<u>0916</u>	<u>-29</u>	<u>2/2/16</u>	<u>1208</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KENTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0916</u>	<u>0.0</u>	<u>56.1</u>	<u>30.21</u>
Sampling End	<u>1206</u>	<u>0.0</u>	<u>66.1</u>	<u>30.21</u>

OBSERVATIONS/NOTES

1006 -22

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-3D-73

Date: 2/4/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) 73 (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-3D-73-20160202

Sampler Name: C. E. J. [Signature]

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1243	F-C0155	2/2/16	0758	-29.5	0915	2/4/16	-28.5

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kerma 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0758</u>	<u>0.0</u>	<u>56.0</u>	<u>30.21</u>
Sampling End	<u>0915</u>	<u>0.0</u>	<u>56.2</u>	<u>30.21</u>

OBSERVATIONS/NOTES

0906 -28.5

pressure of
-28.5

NOT ANALYZED

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-108-5

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-108-5-20160202

Sampler Name: JTB

LEAK CHECK (circle) YES NO

He Instrument: DIELECTRIC M60-2002 Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
<u>0816</u>	<u>090</u>	<u>61.1%</u>	<u>YES</u> NO	<u>21.4</u>	<u>YES</u> NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0053</u>	<u>6199</u>	<u>2/2/16</u>	<u>0841</u>	<u>-29.5</u>	<u>2/2/16</u>	<u>1110</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	<u>VACUUM ("Hg)</u>
Sampling Start	<u>0905</u>	<u>0.0</u>	<u>45.6</u>	<u>30.21</u>	<u>-25</u>
	<u>1000</u>				<u>-18</u>
	<u>1050</u>				<u>-10.5</u>
Sampling End	<u>1110</u>	<u>0.0</u>	<u>58.7</u>	<u>30.22</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-108-10

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-108 10-20160202

Sampler Name: JS

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0804</u>	<u>0166</u>		<u>0841</u>	<u>-29</u>	<u>2/2/16</u>	<u>1110</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VACUUM ("Hg)
Sampling Start	<u>0905</u>	<u>0.0</u>	<u>45.6</u>	<u>30.21</u>	<u>-26</u>
	<u>1000</u>				<u>-18</u>
	<u>1050</u>				<u>-10.5</u>
Sampling End	<u>1110</u>	<u>1.0</u>	<u>58.7</u>	<u>30.22</u>	<u>-8</u>

OBSERVATIONS/NOTES

IMMEDIATELY pulled WATER, ~~DELETED~~ OR.

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPARK LA Fitness LA Fitness Ambient

Location: VP-108-20

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: ~~VP-108~~ VP-108-20-20160202

Sampler Name: JRS

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2104</u>	<u>0167</u>	<u>2/2/16</u>	<u>0842</u>	<u>-30</u>	<u>2/2/16</u>	<u>1122</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KETTEL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VACUUM
Sampling Start	<u>0905</u>	<u>0-0</u>	<u>45.4</u>	<u>30.21</u>	<u>-28.5</u>
	<u>1000</u>				<u>-20</u>
	<u>1050</u>				<u>-12</u>
Sampling End	<u>1122</u>	<u>50.5</u>	<u>58.7</u>	<u>30.22</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-108-29.5

Date: 2/2/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-108-29.5-20160202

Sampler Name: IR

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2318</u>	<u>0170</u>	<u>2/2/16</u>	<u>0842</u>	<u>-28</u>	<u>2/2/16</u>	<u>1116</u>	<u>-8.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kemel 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>0905</u>	<u>0.0</u>	<u>45.6</u>	<u>30.21</u>	<u>-24</u>
	<u>1600</u>				<u>-18</u>
	<u>1650</u>				<u>-10</u>
Sampling End	<u>1110</u>	<u>0.0</u>	<u>58.7</u>	<u>30.22</u>	<u>-8.5</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-1081D-50.5-20160202

Date: _____

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-1081D-50.5-20160202

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>6053</u>	<u>6199</u>	<u>2/2/16</u>	<u>0840</u>	<u>-30</u>	<u>2/2/16</u>	<u>1114</u>	<u>-8</u>
<u>1249</u>	<u>6194</u>						

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KETREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VACUUM
Sampling Start	<u>0905</u>	<u>0.0</u>	<u>75.6</u>	<u>30.21</u>	<u>-28.5</u>
	<u>1000</u>				<u>-20</u>
	<u>1050</u>				<u>-12</u>
Sampling End	<u>1114</u>	<u>0.0</u>	<u>58.7</u>	<u>30.22</u>	<u>-8</u>

OBSERVATIONS/NOTES

SHUT IN TEST COMPLETED ON DUP SAMPLE
 TRAIN. TEST PASSED.

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

DUP

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-108D-50.5-20160202DUP

Date: _____

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-108D-50.5-20160202DUP

Sampler Name: ITS

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: **%**

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2825</u>	<u>0184</u>	<u>2/2/16</u>	<u>08:40</u>	<u>-30</u>	<u>2/2/16</u>	<u>11:14</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KETREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>0905</u>	<u>0.0</u>	<u>45.6</u>	<u>30.21</u>	<u>-27</u>
	<u>1000</u>				<u>-19</u>
	<u>1050</u>				<u>-11</u>
Sampling End	<u>1114</u>	<u>0.0</u>	<u>58.7</u>	<u>30.22</u>	

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-108D-60

Date: _____

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-108D-60-20160202

Sampler Name: JRS

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0818</u>	<u>0245</u>	<u>2/2/16</u>	<u>0840</u>	<u>-25.5</u>	<u>2/2/16</u>	<u>1123</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VACUUM
Sampling Start	<u>0905</u>	<u>0.0</u>	<u>75-6</u>	<u>30.21</u>	<u>-25</u>
	<u>1000</u>				<u>-18.5</u>
	<u>1050</u>				<u>-12</u>
Sampling End	<u>1123</u>	<u>0.0</u>	<u>58.7</u>	<u>30.22</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: VP-108D-70

Date: _____

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-108D-70-2016 0202

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2333</u>	<u>0185</u>	<u>2/2/16</u>	<u>0840</u>	<u>-30</u>	<u>2/2/16</u>	<u>1145</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KENTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>0905</u>	<u>6.0</u>	<u>45.6</u>	<u>30.21</u>	<u>-29.5</u>
	<u>1000</u>				<u>-22</u>
	<u>1650</u>				<u>-16</u>
Sampling End	<u>1145</u>	<u>0.0</u>	<u>58.7</u>	<u>30.22</u>	<u>-8</u>

OBSERVATIONS/NOTES

Section A
Required Client Information:

Company: TERRA TECH
Address: 245 E 22E Suite 104E
Email To: WHITEHOUSE STATION, NJ 08823
Phone: 908-534-2303 Fax:
Requested Due Date/AT: STANDARD

Section B
Required Project Information:

Report To: KATHY McDEWITT
Copy To:
Purchase Order No.:
Project Name: AML GREAT NECK
Project Number: 17-0503644

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

23827

Page: 1 of 2

Program: UST Superfund Emissions Clean Air Act
Voluntary Clean Up Dry Clean RCRA Other
Location of Sampling by State NY
Reporting Units: ug/m³ ppbv mg/m³ ppmv Other
Report Level: I. II. III. IV. Other

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Teller Bag 1 Liter Summa Can 6 Liter Summa Can Low Volume Pull High Volume Pull Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:						Pace Lab ID	
					COMPOSITE START		COMPOSITE						TO-3 Fixed Gas (%)	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15 ★		TO15 Short List*
					DATE	TIME	DATE	TIME												
1	VP-1-5-20160206	61C			2/6/16	0803	2/6/16	1137	-30	-8	2743	0174							X	
2	VP-1-10-20160206	61C			2/6/16	0803	2/6/16	1112	-20.5	-8	0456	0186							X	
3	VP-1-20-20160206	61C			2/6/16	0803	2/6/16	1058	-30	-8	0682	0183							Y	
4	VP-1-30-20160206	61C			2/6/16	0803	2/6/16	1052	-30	-8	0801	0195							Y	
5	VP-2-5-20160206	61C			2/6/16	0820	2/6/16	1105	-24	-7.5	0537	0393							Y	
6	VP-2-10-20160206	61C			2/6/16	0830	2/6/16	1103	-30	-8	0457	0382							Y	
7	VP-2-20-20160206	61C			2/6/16	0830	2/6/16	1103	-28	-8	0576	0426							X	
8	VP-2-30-20160206	61C			2/6/16	0830	2/6/16	1101	-30	-8	0570	0327							Y	
9	VP-5-10-20160206	61C			2/6/16	0902	2/6/16	1050	-29.5	-7	2674	0515							Y	
10	VP-5-20-20160206	61C			2/6/16	0842	2/6/16	1125	-29.5	-8	2671	0056							X	
11	VP-5-20-20160206	61C			2/6/16	0842	2/6/16	1125	-30	-8	0084	0033							X	
12	VP-5-30-20160206	61C			2/6/16	0842	2/6/16	1023	-30	-8	0103	0598							Y	

Comments:

* MODIFIED CCLIST

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

2/6/16	1109		2/6/16	1109	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
					Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
					Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
					Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
					Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
					Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Tom Bat CLOUTIER
SIGNATURE of SAMPLER: [Signature]
DATE Signed (MM/DD/YY): 02/06/16

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information

Company: TERA TECH
Address: 255 RT 22E, Suite 104E
City: Minneapolis, MN 55405
Phone: 612-534-2308 Fax:
Email To: KEITH.MCDONALD@TERATECH.COM
Requested Due Date/TAT: STANDARD

Section B Required Project Information

Report To: KEITH MCDONALD
Copy To:
Purchase Order No.:
Project Name: PMC Great Neck
Project Number: 1140507644

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

23828

Page: 2 of 2

COLLECTED

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE TODER BAG 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other	MEDIA CODE	PID Reading (Client only)	COMPOSITE START		COMPOSITE -		Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:	Pace Lab ID
					DATE	TIME	DATE	TIME						
1	VP-6-S-20160206		64C		2/6/16	0852	2/6/16	1227	-30	-8.5	1043	0540	PM10	
2	VP-6-10-20160206		64C		2/6/16	0852	2/6/16	1115	-30	-7.5	1089	0428	3C-Fixed Gas (%)	
3	VP-6-20-20160206		64C		2/6/16	0852	2/6/16	1151	-24.5	-8	0393	0429	TO-3	
4	VP-6-30-20160206		64C		2/6/16	0852	2/6/16	1146	-21.5	-7	0957	0449	TO-3M (Methane)	
5	VP-6-30-20160206 Dup		64C		2/6/16	0852	2/6/16	1008	-30	-6	0149	0409	TO-4 (PCBs)	
6													TO-13 (PAH)	
7													TO-14	
8													TO-15	
9													TO15 Short List*	
10														
11														
12														

Comments:

* Modified COC list

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
<u>John B. Tera Tech</u>	<u>2/6/16</u>	<u>1109</u>	<u>KEITH MCDONALD</u>	<u>2/6/16</u>	<u>1109</u>	Temp in °C	Received on Ice	Custody Sealed Cooler
						Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: John B. Tera Tech
SIGNATURE of SAMPLER: John B. Tera Tech
DATE signed (MM/DD/YY): 02/06/16

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-102_4.5											
VP-102_8.5											
VP-102_19.5											
VP-102_51.5											
VP-102_57.5											
VP-102_61.5											
VP-102_73.5											
VP-103_5											
VP-103_10											
VP-103_20											
VP-103_30											
VP-103_40											
VP-103_50											
VP-103_61.5											
VP-103_74.5											
VP-104_5											
VP-104_10											
VP-104_19											

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-104_30											
VP-104_40											
VP-104_50											
VP-104_62											
VP-104_73											
VP-107_5											
VP-107_13											
VP-107_20											
VP-107_33.5											
VP-107_44											
VP-107_60											
VP-107_74											
LIJ-VP-7_5											
LIJ-VP-7_10											
LIJ-VP-7_20											
LIJ-VP-7_30											
LIJ-VP-7_40											
LIJ-VP-7_50											
FPM-20_5	2674	0515									

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
FPM-20_9.4	0593	0597									
VP-8_5											
VP-8_10											
VP-8_20											
VP-8D_53.5											
VP-8D_62.5											
VP-8D_72.5											
VP-NYSDEC-5_5											
VP-NYSDEC-5_10											
VP-NYSDEC-5_20											
VP-NYSDEC-5_30											
VP-NYSDEC-5_40											
VP-NYSDEC-5_50											
VP-9_10											
VP-9_20											
VP-9_30											
VP-9_40											
VP-9_50											
VP-9_60											

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-105_5											
VP-105_10											
VP-105_20											
VP-105_32											
VP-105_50											
VP-105_60											
VP-105_72											
VP-1_5	2743	0174	2/6/16	0803	-30	37.6	30.32	1137	-8	42.3	30.26
VP-1_10	0956	0186	2/6/16	0803	-29.5	37.6	30.32	1112	-8	42.3	30.26
VP-1_20	0682	0183	2/6/16	0803	-30	37.6	30.32	1058	-8	42.3	30.26
VP-1_30	0801	0195	2/6/16	0803	-30	37.6	30.32	1052	-8	42.3	30.26
VP-2_5	0537	0393	2/6/16	0820	-29	37.6	30.32	1105	-7.5	42.3	30.26
VP-2_10	0537 1192 ⁰⁴⁵²	0523 0102	2/6/16	0820	-30	37.6	30.32	1103	-8	42.3	30.26
VP-2_20	0576	0426	2/6/16	0820	-28	37.6	30.32	1103	-8	42.3	30.26
VP-2_30	0576	0327	2/6/16	0820	-30	37.6 37.6	30.32	1101	-8	42.3	30.26
VP-3_5	2702	0158	2/2/2016	07:58	-29.5	56.1	30.21	10:34	-7.0	56.0	30.21
VP-3_10	1051	0239	2/2/2016	07:58	-29	56.1	30.21	09:37	-7.0	61.5	30.21
VP-3_20	0808	0176	2/2/2016	07:58	-29	56.2	30.21	10:36	-7.5	56.0	30.21
VP-3_30	2372	0171	2/2/2016	07:58	-30	56.0	30.21	10:40	-7	56.2	30.21

Nested Soil Vapor Point Field Log
 Lockheed Martin Corporation
 Former Unisys Facility
 1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-3D_40	2336	0192	2/2/16	07:58	-29.5	56.0	30.21	10:37	-7	56.0	30.21
VP-3D_51	2307	0193	2/2/16	07:58	-29	56.2	30.21	10:25	-7	56.0	30.23
VP-3D_61	0622	0177	2/2/16	08:47	-29	56.1	30.21	11:12	-8	56.1	30.21
VP-3D_73	0859	0162	2/2/16	09:16	-29	56.1	30.21	12:06	-8	66.1	30.21
VP-4_5											
VP-4_10											
VP-4_20											
VP-4_30											
VP-5_5	2043	0258	02/06/16	07:01	-28	37.6	30.32				
VP-5_10	2674	0243	02/06/16	09:02	-25.5	37.9	30.30	10:50	-7	40.6	30.27
VP-5_20	2671	0056	02/06/16	08:42	-25.5	37.5	30.30	11:25	-8	42.5	30.26
VP-5_30	0103	0598	02/06/16	07:43	-30	37.6	30.32	10:23	-8	38.2	30.29
VP-6_5	1643	0540	02/06/16	08:52	-30	37.9	30.30	12:27	-8.5	42.4°F	30.26
VP-6_10	1689	0428	02/06/16	08:52	-30	37.9	30.30	11:45	-7.5	42.3	30.26
VP-6_20	0393	0429	02/06/16	08:52	-29.5	37.9	30.30	11:51	-8	42.3	30.26
VP-6_30	0957	0049	02/06/16	08:52	-29.5	37.9	30.30	11:48	-7	42.3	30.26
VP-101_5											
VP-101_15											
VP-101_27											

Nested Soil Vapor Point Field Log
 Lockheed Martin Corporation
 Former Unisys Facility
 1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-106_5											
VP-106_11											
VP-106_19.5											
VP-106_28											
VP-106_56											
VP-106_72											
VP-106_84											
VP-108_5	0053	0199	2/2/16	08:41	-29.5	45.6	30.21	11:10	-8	58.7	30.22
VP-108_10	0804	0166	2/2/16	08:41	-29	45.6	30.21	11:10	-8	58.7	30.22
VP-108_20	2104	0167	2/2/16	08:42	-30	45.6	30.21	11:22	-8	58.7	30.22
VP-108_29.5	2318	0170	2/2/16	08:42	-28	45.6	30.21	11:10	-8.5	58.7	30.22
VP-108D_50.5	1249	0194	2/2/16	08:40	-30	45.6	30.21	11:14	-8	58.7	30.22
VP-108D_60	0818	0245	2/2/16	08:40	-29.5	45.6	30.21	11:23	-8	58.7	30.22
VP-108D_70	2333	0185	2/2/16	08:40	-30	45.6	30.21	11:45	-8	58.7	30.22

Duplicate Samples

[illegible]

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

NOT ANALYZED

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: outside

Date: 2/6/2016

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-5-5-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
<u>0732</u>	<u>0.0</u>	<u>61.27</u>	YES / NO	<u>0.0</u>	YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0593</u>	<u>PC0597</u>	<u>2/6/16</u>	<u>0901</u>	<u>-28</u>	<u>2/6/16</u>	<u>1010</u>	<u>-28</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
Sampling End				

OBSERVATIONS/NOTES

*3rd SAMPLE PORT
 → WATER IN LINE, SECOND CANISTER*

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

NOT ANALYZED

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-2-10-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1192	0182	2/6/16	0820	-26	2/6/16	0946	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	0820	0.0	37.6	30.32
Sampling End	0946	0.0	37.8	30.29

BAD!

OBSERVATIONS/NOTES

-21 0900

SWITCH TO CANISTER 0452, FC ID: 0523

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

NOT ANALYZED

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-liter 1-liter

Sample ID: VP-5-10-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1073	0243	2/6/16	0743 * 0902	29.5			

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
Sampling End				

OBSERVATIONS/NOTES

0800 - 26
~~0905 - 29~~
 0914 - 29

* lots of water stopped

BAD

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

NOT ANALYZED

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nester Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-5-5-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: DIELECTRIC MULTI-GAS Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
0732	0.0	61.2%	YES / NO	0.0	YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2093	0253	2/6/16	07420901	27-28			

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
Sampling End				

OBSERVATIONS/NOTES

0800 -25
0914 27
* Lots of water stopped
BAD

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-1-S-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2743</u>	<u>0174</u>	<u>2/6/16</u>	<u>0803</u> 0820 <u>0803</u>	<u>-30</u>	<u>2/6/16</u>	<u>1137</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0803</u>	<u>0-0</u>	<u>37.6</u>	<u>30-32</u>
Sampling End	<u>1137</u>	<u>0-0</u>	<u>42.3</u>	<u>30-24</u>

OBSERVATIONS/NOTES

-23 0900
-15 0945
-14 1022
-12 1052

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-1-10-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0956</u>	<u>0186</u>	<u>2/6/16</u>	<u>0803</u>	<u>-24.5</u>	<u>2/6/16</u>	<u>1112</u>	<u>-8</u>
			<u>0803</u>				

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0803</u>	<u>0.0</u>	<u>37.6</u>	<u>30.32</u>
Sampling End	<u>1112</u>	<u>0.0</u>	<u>42.3</u>	<u>30.26</u>

OBSERVATIONS/NOTES

-21 0900
-16 0945
-13 1022
-5 1052
855

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-1-20-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0682</u>	<u>0183</u>	<u>2/6/16</u>	<u>0803</u>	<u>-30</u>	<u>2/6/16</u>	<u>1058</u>	<u>-8</u>

0803

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0803</u>	<u>0.0</u>	<u>37.6</u>	<u>30.32</u>
Sampling End	<u>1058</u>	<u>0.0</u>	<u>42.3</u>	<u>30.24</u>

OBSERVATIONS/NOTES

-22 0700
-16 0945
-8.0 1052

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) 1Park LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-1-30-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0801</u>	<u>0195</u>	<u>2/6/16</u>	<u>0803</u> 0820	<u>-30</u>	<u>2/6/16</u>	<u>1052</u>	<u>-8</u>

0803

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0803</u>	<u>0.0</u>	<u>37.6</u>	<u>30.32</u>
Sampling End	<u>1052</u>	<u>0.0</u>	<u>42.3</u>	<u>30.24</u>

OBSERVATIONS/NOTES

-20 0900
-16 0945
-11.02
-10.51022
- 1052

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-2-S-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0537</u>	<u>0393</u>	<u>2/6/16</u>	<u>0820</u>	<u>-29</u>	<u>2/6/16</u>	<u>1105</u>	<u>-7.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0820</u>	<u>0-0</u>	<u>37.6</u>	<u>30.32</u>
Sampling End	<u>1105</u>	<u>0-0</u>	<u>42.3</u>	<u>30.26</u>

OBSERVATIONS/NOTES

-23 0900
-15 0950

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/14

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable)	(feet)
-----------------------	--------

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-2-16-20160206

Sampler Name: _____

LEAK CHECK (circle)	YES	NO
---------------------	-----	----

He Instrument:	Units:	%
----------------	--------	---

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0452	0523	2/6/16	0820	-30	2/10/16	1103	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	0820	0.0	37.6	30.32
Sampling End	1103	0.0	42.3	30.46

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
 To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-2-20-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0576</u>	<u>0426</u>	<u>2/6/16</u>	<u>0820</u>	<u>-28</u>	<u>2/6/16</u>	<u>1103</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0820</u>	<u>0-0</u>	<u>37-6</u>	<u>30-32</u>
Sampling End	<u>1103</u>	<u>0-0</u>	<u>42-3</u>	<u>30-26</u>

OBSERVATIONS/NOTES

-22 0900
+15 0952

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-2-30-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0570</u>	<u>0327</u>	<u>2/6/16</u>	<u>0820</u>	<u>-30</u>	<u>2/6/16</u>	<u>1101</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0820</u>	<u>0.0</u>	<u>37.6</u>	<u>30.32</u>
Sampling End	<u>1101</u>	<u>0.0</u>	<u>42.3</u>	<u>30.20</u>

OBSERVATIONS/NOTES

20 0900
120
-18 0952

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: outside

Date: 2/5/18

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-5-10-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2985</u>	<u>FL0515</u>	<u>2/6/16</u>	<u>-29.5</u>				
<u>2674</u>	<u>0515</u>		<u>0902</u>	<u>-29.5</u>	<u>2/6/16</u>	<u>1050</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (*F)	Pressure (" Hg)
Sampling Start				
Sampling End	<u>1050</u>	<u>0.0</u>	<u>40.6</u>	<u>30.27</u>

OBSERVATIONS/NOTES

0944 -29

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle)	<u>iPark</u>	LA Fitness	LA Fitness	Ambient
Location:	<u>OUTSIDE</u>			
Date:	<u>02/04/16</u>			
Sample Type (Circle)	<u>SS-Nested</u>	Sub-Slab	Indoor	Ambient
Depth (if applicable)	(feet)			
Canister Volume (circle)	<u>6-Liter</u>	1-Liter		
Sample ID:	<u>VP-S-20-20160206</u>			
Sampler Name:				

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2671	0056	2/4/16	0743 0842	-29.5	2/6/16	1125	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
Sampling End	1125	0.0	42.5	30-26

OBSERVATIONS/NOTES

0800 → 29.5 -29
 PADS → 20

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

DUPLICATE

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-S-20-20160206 DUP

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0084	0033	2/6/16	0743 0842	-30	2/6/16	1125	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
Sampling End				

OBSERVATIONS/NOTES

0200 -30 (+)
0914 -25

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-5-30-20160206

Sampler Name: _____

LEAK CHECK (circle) **YES** **NO**

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0103</u>	<u>0598</u>	<u>2/6/16</u>	<u>0743</u>	<u>-30</u>	<u>2/6/16</u>	<u>1023</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
Sampling End	<u>1023</u>	<u>0.0</u>		

Vacuum 1"/Hg
-8

OBSERVATIONS/NOTES

0800 -27
~~0905~~ ~~-27~~
0914 -17

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/2016

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-6-5-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1043</u>	<u>0570</u>	<u>2/6/2016</u>	<u>0852</u>	<u>-30</u>	<u>2/6/2016</u>	<u>1227</u>	<u>-8.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0852</u>	<u>0.0</u>	<u>37.9</u>	<u>30.30</u>
Sampling End	<u>1227</u>	<u>0.0</u>	<u>42.4</u>	<u>30.26</u>

OBSERVATIONS/NOTES

-24 0955
TX
-21 @ 1020

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-6-10-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1689</u>	<u>0428</u>	<u>2/6/16</u>	<u>0852</u>	<u>-30</u>	<u>2/6/16</u>	<u>1145</u>	<u>-7.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0852</u>	<u>0.0</u>	<u>38.5</u>	<u>30-30</u>
Sampling End	<u>1145</u>	<u>0.0</u>	<u>42.3</u>	<u>30.26</u>

OBSERVATIONS/NOTES

72 0955
-18 @ 1020

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-6-20-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0393</u>	<u>0429</u>	<u>2/6/16</u>	<u>0852</u>	<u>-29.5</u>	<u>2/6/16</u>	<u>1151</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0852</u>	<u>0.0</u>	<u>37.9</u>	<u>30.30</u>
Sampling End	<u>1151</u>	<u>0.0</u>	<u>42.3</u>	<u>30.26</u>

OBSERVATIONS/NOTES

-10 0955
-18 @ 1020

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 02/06/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-6-30-20160206

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0957</u>	<u>0049</u>	<u>2/6/2016</u>	<u>0852</u>	<u>-29.5</u>	<u>2/6/16</u>	<u>1148</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0852</u>	<u>0.0</u>	<u>37.9</u>	<u>30.30</u>
Sampling End	<u>1148</u>	<u>0.0</u>	<u>42.3</u>	<u>30.26</u>

OBSERVATIONS/NOTES

-21 0955

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle)	<u>iPark</u>	LA Fitness	LA Fitness	Ambient
Location:	<u>OUTSIDE</u>			
Date:	<u>02/06/16</u>			
Sample Type (Circle)	<u>SS-Nested</u>	Sub-Slab	Indoor	Ambient
Depth (if applicable)	(feet)			
Canister Volume (circle)	<u>6 - Liter</u>	1 - Liter		
Sample ID:	<u>VP-6-30-20160206 DJP</u>			
Sampler Name:				

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0149</u>	<u>0409</u>	<u>2/6/16</u>	<u>0852</u>	<u>-30</u>	<u>02/06/16</u>	<u>1005</u>	<u>-6</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0852</u>	<u>0.0</u>	<u>37.9</u>	<u>30.30</u>
Sampling End	<u>1005</u>	<u>0.0</u>	<u>38.2</u>	<u>30.29</u>

OBSERVATIONS/NOTES

-18 @ 1020



The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

4

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information.

Company: TERRA TECH

Address: 255 E. 22C, Suite 104C

Whitehouse Station, NJ 08889

Email To: KEITH.MCDERMOTT@TERRATECH.COM

Phone: _____ Fax: _____

Requested Due Date/TAT: _____

Section B

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section C

Invoice Information

Attention: _____

Company Name: _____

Address: _____

Pace Quote Reference: _____

Pace Project Manager/Sales Rep: _____

Pace Profile #: _____

Section D Required Client Information

AIR SAMPLE ID

Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA

CODE

TB

1 Liter Summa Can

6LC

LVP

HVP

PM10

Other

VP-9-60-20160209

VP-105-5-20160209

VP-105-10-20160209

VP-105-20-20160209

VP-105-50-20160209

VP-105-60-20160209

VP-105-72-20160209

Section E

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section F

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section G

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section H

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section I

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section J

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section K

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section L

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section M

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section N

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section O

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section P

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section Q

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section R

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section S

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section T

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section U

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section V

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section W

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section X

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section Y

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section Z

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AA

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AB

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AC

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AD

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AE

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AF

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AG

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AH

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section AI

Required Project Information:

Report To: KEITH MCDERMOTT

Copy To: _____

Purchase Order No: _____

Project Name: LINC GREAT NECK

Project Number: 117-0502644

Section

- Fields Copy -

Nested Soil Vapor Point Field Log
Lockheed Martin Corporation
Former Unisys Facility
1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-102_4.5											
VP-102_8.5											
VP-102_19.5											
VP-102_51.5											
VP-102_57.5											
VP-102_61.5											
VP-102_73.5											
VP-103_5											
VP-103_10											
VP-103_20											
VP-103_30											
VP-103_40											
VP-103_50											
VP-103_61.5											
VP-103_74.5											
VP-104_5											
VP-104_10											
VP-104_19											



Nested Soil Vapor Point Field Log
Lockheed Martin Corporation
Former Unisys Facility
1111 Marcus Avenue, Lake Success, New York

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-104_30											
VP-104_40											
VP-104_50											
VP-104_62											
VP-104_73											
VP-107_5											
VP-107_13											
VP-107_20											
VP-107_33.5											
VP-107_44											
VP-107_60											
VP-107_74											
LIJ-VP-7_5											
LIJ-VP-7_10											
LIJ-VP-7_20											
LIJ-VP-7_30											
LIJ-VP-7_40											
LIJ-VP-7_50											
FPM-20_5											

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
FPM-20_9.4											
VP-8_5											
VP-8_10											
VP-8_20											
VP-8D_53.5											
VP-8D_62.5											
VP-8D_72.5											
VP-NYSDEC-5_5	2048	0091	2/9/16	1824	-30	67.6	29.49	2112	-8	69.2	29.51
VP-NYSDEC-5_10	1233	0035	2/9/16	1824	-30	67.6	29.49	2127	-8	69.2	29.51
VP-NYSDEC-5_20	2385	0025	2/9/16	1824	-29	67.6	29.49	2107	-7	69.2	29.51
VP-NYSDEC-5_30	1279	0134	2/9/16	1824	-30	67.6	29.49	2112	-7	69.2	29.51
VP-NYSDEC-5_40	2097	0438	2/9/16	1824	-28	67.6	29.49	2028	-7	69.2	29.51
VP-NYSDEC-5_50	2138	0131	2/9/16	1824	-29	67.6	29.49	2107	-7	69.2	29.51
VP-9_10	2748	0412	2/9/16	1905	-29	67.6	29.49	2115	-7	69.2	29.51
VP-9_20	2756	0045	2/9/16	1905	-29.5	67.6	29.49	2200	-8.5	69.0	29.51
VP-9_30	0595	0178	2/9/16	1905	-27	67.6	29.49	2313	-12.5	69.0	29.51
VP-9_40	0066	0075	2/9/16	1905	-27	67.6	29.49	2200	-8.5	69.0	29.51
VP-9_50	0515	0422	2/9/16	1905	-28.5	67.6	29.49	2144	-7	69.2	29.51
VP-9_60	1524	0187	2/9/16	1905	-30	67.6	29.49	2215	-8.5	69.0	29.51

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-105_5	0629	0179	2/9/16	18:45	-28.5	67.6	29.47	21:39	-8	69.2	29.51
VP-105_10	1188	0040	2/9/16	18:45	-30	67.6	29.49	21:39	-7.5	69.2	29.51
VP-105_20	2040	0057	2/9/16	18:45	-29	67.6	29.49	21:43	-8.5	69.2	29.51
VP-105_32	2692	0039	2/9/16	18:45	-29	67.6	29.49	21:39	-8	69.2	29.51
VP-105_50	0954	0054	2/9/16	18:45	-29	67.6	29.49	21:39	-8	69.2	29.51
VP-105_60	2115	0355	2/9/16	18:45	-28	67.6	29.49	21:39	-8	69.2	29.51
VP-105_72	2184	0040	2/9/16	18:45	-30	67.6	29.49	23:08	-14	69.0	29.51
VP-1_5	2743	0174	2/6/16	08:03	-30	37.6	30.32	11:37	-8	42.3	30.26
VP-1_10	0956	0186	2/6/16	08:03	-29.5	37.6	30.32	11:12	-8	42.3	30.26
VP-1_20	0682	0183	2/6/16	08:03	-30	37.6	30.32	10:58	-8	42.3	30.26
VP-1_30	0801	0195	2/6/16	08:03	-30	37.6	30.32	10:52	-8	42.3	30.26
VP-2_5	0537	0393	2/6/16	08:20	-29	37.6	30.32	11:05	-7.5	42.3	30.26
VP-2_10	0452	0523	2/6/16	08:20	-30	37.6	30.32	11:03	-8	42.3	30.26
VP-2_20	0576	0426	2/6/16	08:20	-28	37.6	30.32	11:03	-8	42.3	30.26
VP-2_30	0570	0327	2/6/16	08:20	-30	37.6	30.32	11:01	-8	42.3	30.26
VP-3_5	2702	0158	2/2/2016	07:58	-29.5	56.1	30.21	10:34	-7.0	56.0	30.21
VP-3_10	1051	0239	2/2/2016	07:58	-29	56.1	30.21	09:37	-7.0	61.5	30.21
VP-3_20	0808	0176	2/2/2016	07:58	-29	56.2	30.21	10:36	-7.5	56.0	30.21
VP-3_30	2372	0171	2/2/2016	07:58	-30	56.0	30.21	10:40	-7	56.2	30.21

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-3D_40	2336	0192	2/2/16	07:58	-29.5	56.0	30.21	10:37	-7	56.0	30.21
VP-3D_51	2307	0193	2/2/16	07:58	-29	56.2	30.21	10:25	-7	56.0	30.23
VP-3D_61	0622	0177	2/2/16	08:47	-29	56.1	30.21	11:12	-8	56.1	30.21
VP-3D_73	0859	0162	2/2/16	09:16	-29	56.1	30.21	12:06	-8	66.1	30.21
VP-4_5											
VP-4_10											
VP-4_20											
VP-4_30											
VP-5_5	0593	0597	02/06/16	09:01							
WATER IN SAMPLE LINE - UNABLE TO COLLECT SAMPLE											
VP-5_10	2674	0515	02/06/16	09:02	-29.5	37.9	30.30	10:50	-7	40.6	30.27
VP-5_20	2671	0056	02/06/16	08:42	-29.5	37.9	30.30	11:25	-8	42.5	30.26
VP-5_30	0103	0598	02/06/16	07:43	-30	37.6	30.32	10:23	-8	38.2	30.29
VP-6_5	1043	0540	02/06/16	08:52	-30	37.9	30.30	12:27	-8.5	42.4	30.26
VP-6_10	1689	0428	02/06/16	08:52	-30	37.9	30.30	11:45	-7.5	42.3	30.26
VP-6_20	0393	0429	02/06/16	08:52	-29.5	37.9	30.30	11:51	-8	42.3	30.26
VP-6_30	0957	0049	02/06/16	08:52	-29.5	37.9	30.30	11:48	-7	42.3	30.26
VP-101_5											
VP-101_15											
VP-101_27											

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-106_5											
VP-106_11											
VP-106_19.5											
VP-106_28											
VP-106_56											
VP-106_72											
VP-106_84											
VP-108_5	0053	0199	2/2/16	08:41	-29.5	45.6	30.21	11:10	-8	58.7	30.22
VP-108_10	0804	0166	2/2/16	08:41	-29	45.6	30.21	11:10	-8	58.7	30.22
VP-108_20	2104	0167	2/2/16	08:42	-30	45.6	30.21	11:22	-8	58.7	30.22
VP-108_29.5	2318	0170	2/2/16	08:42	-28	45.6	30.21	11:10	-8.5	58.7	30.22
VP-108D_50.5	1249	0194	2/2/16	08:40	-30	45.6	30.21	11:14	-8	58.7	30.22
VP-108D_60	0818	0245	2/2/16	08:40	-29.5	45.6	30.21	11:23	-8	58.7	30.22
VP-108D_70	2333	0185	2/2/16	08:40	-30	45.6	30.21	11:45	-8	58.7	30.22

Duplicate Samples

[illegible]

TABLE 2

Sample Collection Log

To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

iPark

Ambient

STELLAE

2/9/16

SS-Nested

Ambient

(feet)

6 - Liter

1 - Liter

VP-9-10-20160209

18

NO

%

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2748	0412	2/9/16	1905	-29	02/09/16	2115	-7

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	1405	0.0	67.6	29.49
	2030	0.0	69.2	29.51
Sampling End	2115	0.0	68.2	29.51

VAC (1149)

- 14

-7

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

DUPLICATE

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAR

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-9-10-20160209 DUP

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1212</u>	<u>0195</u>	<u>2/9/16</u>	<u>1905</u>	<u>-28</u>	<u>2/9/16</u>	<u>2151</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1905</u>	<u>0.0</u>	<u>67-6</u>	<u>27.49</u>
	<u>2030</u>	<u>0.0</u>	<u>65-2</u>	<u>27.51</u>
Sampling End	<u>2151</u>	<u>0.0</u>	<u>65-0</u>	<u>27.51</u>

VAC (14g)
-28
-17

OBSERVATIONS/NOTES

DUPLICATE SAMPLE

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle)	<u>iPark</u>	LA Fitness	LA Fitness	Ambient
Location:	<u>STELLAE</u>			
Date:	<u>2/9/16</u>			
Sample Type (Circle)	<u>SS-Nested</u>	Sub-Slab	Indoor	Ambient
Depth (if applicable)	(feet)			
Canister Volume (circle)	<u>6 - Liter</u>	1 - Liter		
Sample ID:	<u>VP-9-20-2060209</u>			
Sampler Name:				

LEAK CHECK (circle)	YES	NO
---------------------	-----	----

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2756</u>	<u>0045</u>	<u>2/7/16</u>	<u>1905</u>	<u>-29.5</u>	<u>2/7/16</u>	<u>2200</u>	<u>-8.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1905</u>	<u>0.0</u>	<u>67.4</u>	<u>29.49</u>
	<u>2030</u>	<u>0.0</u>	<u>69.2</u>	<u>29.51</u>
Sampling End	<u>2200</u>	<u>0.0</u>	<u>69.0</u>	<u>29.51</u>

VAC ("Hg)
- 29.5
- 18
- 8.5

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: STEWART

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-9-30-20160205

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0505</u>	<u>0178</u>	<u>2/9/16</u>	<u>1905</u>	<u>-27</u>	<u>2/9/16</u>	<u>2313</u>	<u>-12.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>1905</u>	<u>0.0</u>	<u>67.6</u>	<u>29.49</u>	<u>(11.14) VAC</u>
	<u>2030</u>	<u>0.0</u>	<u>69.2</u>	<u>29.51</u>	<u>-12.5</u>
	<u>2230</u>				22
					<u>-14</u>
Sampling End	<u>2313</u>	<u>0.0</u>	<u>69.0</u>	<u>29.51</u>	<u>-12.5</u>

OBSERVATIONS/NOTES

- VERY SLOW DRAWDOWN AFTER 2200 - ONLY HAD ACCESS TO 2200 -

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-9 40-20160209

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0066</u>	<u>0075</u>	<u>2/9/16</u>	<u>1905</u>	<u>-27</u>	<u>2/9/16</u>	<u>2200</u>	<u>-8.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp ("F)	Pressure (" Hg)	
Sampling Start	<u>1905</u>	<u>0.0</u>	<u>67.6</u>	<u>29.49</u>	<u>VAC (1H₂)</u>
	<u>2030</u>	<u>0.0</u>	<u>69.2</u>	<u>29.51</u>	<u>-16</u>
Sampling End	<u>2200</u>	<u>0.0</u>	<u>69.0</u>	<u>27.51</u>	<u>-8.5</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 02/09/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 8 - Liter 1 - Liter

Sample ID: VP-9-SO-20160209

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0515</u>	<u>0422</u>	<u>02/09/16</u>	<u>1905</u>	<u>-28.5</u>	<u>2/9/16</u>	<u>2144</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (*F)	Pressure (" Hg)	
Sampling Start	<u>1905</u>	<u>0.0</u>	<u>67.6</u>	<u>29.49</u>	<u>VAC (11.5)</u>
	<u>2030</u>	<u>0.0</u>	<u>69.2</u>	<u>29.51</u>	<u>-15.5</u>
Sampling End	<u>2144</u>	<u>0.0</u>	<u>69.2</u>	<u>29.51</u>	<u>-7</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-9-60-2016-203

Sampler Name:

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1524</u>	<u>0187</u>	<u>2/9/16</u>	<u>1905</u>	<u>-30</u>	<u>2/9/16</u>	<u>22:15</u>	<u>-8-5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC ("Hg)
Sampling Start	<u>1905</u>	<u>0-0</u>	<u>67.6</u>	<u>29.49</u>	
	<u>2030</u>	<u>0-0</u>	<u>69.2</u>	<u>29.51</u>	<u>-18</u>
Sampling End	<u>2215</u>	<u>0-0</u>	<u>69-0</u>	<u>29.51</u>	<u>-8.5</u>

OBSERVATIONS/NOTES

TABLE 2

Sample Collection Log

To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 2/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

anister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-NYSDEC-5-5-20160209

Sampler Name: _____

LEAK CHECK (circle)	YES	NO
---------------------	-----	----

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2048	0091	2/9/16	1824	-30	2/9/16	2112	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (in Hg)	VAC (in Hg)
Sampling Start	1826	0.0	67.6	29.47	
3705	1908				25.5
	2055	0.0	69.2	29.51	-10
Sampling End	2112	0.0	69.2	29.51	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle)	<u>iPark</u>	LA Fitness	LA Fitness	Ambient
Location:	<u>STELLAE</u>			
Date:	<u>2/9/16</u>			
Sample Type (Circle)	<u>SS-Nested</u>	Sub-Slab	Indoor	Ambient
Depth (if applicable)	(feet)			
Canister Volume (circle)	<u>6 - Liter</u>	1 - Liter		
Sample ID:	<u>VP-NYSDOC-S-10-20160209</u>			
Sampler Name:				

LEAK CHECK (circle)	YES	NO
---------------------	-----	----

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1233</u>	<u>0035</u>	<u>2/9/16</u>	<u>1824</u>	<u>-30</u>	<u>2/9/16</u>	<u>2127</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
<u>6768</u>	<u>1908</u>	<u>0.0</u>	<u>67.6</u>	<u>29.49</u>
	<u>2055</u>	<u>0.0</u>	<u>69.2</u>	<u>29.51</u>
Sampling End	<u>2127</u>	<u>0.0</u>	<u>69.2</u>	<u>29.51</u>

VAC ("Hg)
-26
-11
-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-NYSDEC-5-20-20160209

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2385	0025	2/9/16	1824	-29	2/9/16	2107	-7

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (" Hg)
Sampling Start					
<u>0708</u>	1908	0.0	67.6	29.49	-25
	2055	0.0	69.2	29.51	-9.5
Sampling End	2107	0.0	69.2	29.51	-7

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAR

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-NYSDEC-5-30-20160209

Sampler Name:

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1279	0134	2/9/16	1824	-30	2/9/16	2112	-7

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start				
<u>0700</u>	<u>1908</u>	<u>0.0</u>	<u>67.6</u>	<u>29.49</u>
	<u>2055</u>	<u>0.0</u>		<u>29.57</u>
Sampling End	<u>2112</u>	<u>0.0</u>	<u>69.2</u>	<u>29.51</u>

Vac (11 Hg)

-24

-10.0

-7

OBSERVATIONS/NOTES

TABLE 2

Sample Collection Log

To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAR

Date: 2/9/11

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Manister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-NYSDEC-5-40-20160209

Sampler Name: _____

LEAK CHECK (circle)	YES	NO
---------------------	-----	----

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	End Date	End Time	Final Vacuum (in Hg)
2097	0438	2/9/16	1824	-28	2/9/16	2028	-7

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (" Hg)
Sampling Start					
0708 1908	1908	0.0	67.6	29.49	-22
0740 1940	1940	0.0			-16.5
Sampling End	2028	0.0	69.2	29.51	-10

2015

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-NYSDEL-S-50-20160209

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2138	0131	2/9/16	1829	-29	2/9/16	2107	-7

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start					
	19:08	0.0	67.6	29.49	-25
	20:55	0.0		29.51	-9
Sampling End	2107	0.0	69.2	27.51	

OBSERVATIONS/NOTES

12

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: STELLAR

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-105-5-20160209

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0629	0179	2/9/16	1845	-28.5	2/9/16	2139	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	1845	0.0	67.6	29.49
0712	1912			
Sampling End	2139	0.0	69.2	29.52

vac(114)

-28

-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-105-10-20160205

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1188	0048	2/9/16	1845	-30	2/9/16	2139	7.5

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	1845	0.0	67.6	29.49	
0712	1912				-29
Sampling End	2139	0.0	69.2	29.51	-7.5

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAC

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-105-20-20160209

Sampler Name:

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2040	0057	02/09/16	1845	-29	2/9/16	2143	-8.5

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (" Hg)
Sampling Start	1845	0.0	67.6	29.45	
0710	1910				-27
Sampling End	2143	0.0	69.2	29.51	-8.5

OBSERVATIONS/NOTES

NOI 157 CAN

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAR

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-105-32-20160209

Sampler Name: JTS

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2692	0039	2/9/16	1845	-29	2/9/16	1945	-29

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (" Hg)
Sampling Start	1845	0.0	67.6	29.79	-29
	1910				-29
	1945				-29
Sampling End	1945				-29

OBSERVATIONS/NOTES

- SAMPLE NOT DRAWING DOWN - NO WATER VISIBLE IN LINE.
- SAMPLE LINE HAS NO NEEDLE VALVE - UNLIKE OTHER SAMPLE TUBES IN WELL NEST
- CLOSE SAMPLE AT 1945 - SWITCH TO NEW CAN & FC

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

NOT ANALYZED
ONLY 2ND CAN

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAGE

Date: _____

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-105-32 20160205

Sampler Name: Jon Byle

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0273	0.70	1950	-26				

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	1950	0.0	69.2	29.51
	2130			
Sampling End	2220	0.0	69.0	29.51

Vac (H₂)

- 26

- 26

OBSERVATIONS/NOTES

1950 2ND ATTEMPT AT SAMPLE. USED PERISTALTIC PUMP TO PULSE POSSIBLE PERCHED WATER. NO WATER VISIBLE.
2005 SMALL WATER DROPLETS VISIBLE IN SAMPLE LINE, NO DRAW DOWN. SAMPLE LINE COULD BE COMPROMISED. PULSE SAMPLE & PULSE PERISTALTIC PUMP TO NO SMALL RESTAT SAMPLE
2200 END SAMPLE - NO CHANGE IN CANISTER VACUUM.

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAR

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-105-50-20160205

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0954	0054	2/9/16	1845	-29	02/9/16	2139	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	1845	0.0	67.6	29.49
0710				
Sampling End	2139	0.0	69.2	29.51

VAC (1145)

-29

-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 2/9/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-105-60-20160209

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2115</u>	<u>0355</u>		<u>1845</u>	<u>-28</u>	<u>2/9/16</u>	<u>2139</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>1845</u>	<u>0.0</u>	<u>67.6</u>	<u>29.49</u>	
<u>0710</u>	<u>1910</u>				<u>-26</u>
Sampling End	<u>2139</u>	<u>0.0</u>	<u>66.2</u>	<u>29.51</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: STELLAE

Date: 02/05/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-105-72-20160205

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2184	0040		1845	-30	2/9/16	2308	-14

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	1845	0.0	67.6	27.45
SPAD	0710 1110	0.0	69.2	29.51
	2220	0.0	69.0	29.51
Sampling End	2308	0.0	69.0	29.51

VAC (11Hg)

-27
-14.5"
-14

OBSERVATIONS/NOTES



The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.





AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

[illegible]

10 TOTAL

Nested Soil Vapor Point Field Log
Lockheed Martin Corporation
Former Unisys Facility
1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-102_4.5											
VP-102_8.5											
VP-102_19.5											
VP-102_51.5											
VP-102_57.5											
VP-102_61.5											
VP-102_73.5											
VP-103_5											
VP-103_10											
VP-103_20											
VP-103_30											
VP-103_40											
VP-103_50											
VP-103_61.5											
VP-103_74.5											
VP-104_5	1635	0177	2/11/16	8:48	-28	56.0	29.79	11:03	-8	60.1	29.79
VP-104_10	1265	0185	2/11/16	8:48	-30	56.0	29.79	11:32	-8	60.1	29.79
VP-104_19	2298	0041	2/11/16	8:48	-30	56.0	29.79	11:28	-8	60.1	29.79

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-104_30	0992	0196	2/11/16	8:48	-29	56.0	29.79	11:51	-8	60.1	29.79
VP-104_40	2368	0093	2/11/16	8:48	-29	56.0	29.79	11:26	-8	60.1	29.79
VP-104_50	2330	0606	2/11/16	8:48	-30	56.0	29.79	11:40	-8	60.1	29.79
VP-104_62	2800	0354	2/11/16	8:48	-30	56.0	29.79	11:52	-8	60.1	29.79
VP-104_73	0980	0194	2/11/16	8:48	-29	56.0	29.79	11:30	-8	60.1	29.79
VP-107_5											
VP-107_13											
VP-107_20											
VP-107_33.5											
VP-107_44											
VP-107_60											
VP-107_74											
LJJ-VP-7_5											
LJJ-VP-7_10											
LJJ-VP-7_20											
LJJ-VP-7_30											
LJJ-VP-7_40											
LJJ-VP-7_50											
FPM-20_5	1608	0184	2/11/16	9:50	-30	58.7	29.79	12:30	-8	60.1	29.78

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
FPM-20_9.4	2715	0225	2/11/16	9:50	-29	58.7	29.79	12:35	-8	58.7 54.9	29.78
VP-8_5	2344	0050	2/11/16	9:30	-30	53.3	29.79	12:44	-8.5	54.9	29.79
VP-8_10	2742	0607	2/11/16	9:30	-30	53.3	29.79	12:08	-8	54.9	29.79
VP-8_20	1054	0358	2/11/16	9:30	-30	53.3	29.79	12:22	-8	54.9	29.79
VP-8D_53.5	2049	0176	2/11/16	9:31	-28	53.3	29.79	12:05	-8	54.9	29.79
VP-8D_62.5	0118	0167	2/11/16	9:31	-30	53.3	29.79	12:05	-8	54.9	29.79
VP-8D_72.5	2655	0162	2/11/16	9:31	-30	53.3	29.79	12:28	-8	54.9	29.79
VP-NYSDEC-5_5	2048	0091	2/9/2016	18:24	-30	67.6	29.49	21:12	-8	69.2	29.51
VP-NYSDEC-5_10	1233	0035	2/9/2016	18:24	-30	67.6	29.49	21:27	-8	69.2	29.51
VP-NYSDEC-5_20	2385	0025	2/9/2016	18:24	-29	67.6	29.49	21:07	-7	69.2	29.51
VP-NYSDEC-5_30	1279	0134	2/9/2016	18:24	-30	67.6	29.49	21:12	-7	69.2	29.51
VP-NYSDEC-5_40	2097	0438	2/9/2016	18:24	-28	67.6	29.49	20:28	-7	69.2	29.51
VP-NYSDEC-5_50	2138	0131	2/9/2016	18:24	-29	67.6	29.49	21:07	-7	69.2	29.51
VP-9_10	2748	0412	2/9/2016	19:05	-29	67.6	29.49	21:15	-7	69.2	29.51
VP-9_20	2756	0045	2/9/2016	19:05	-29.5	67.6	29.49	22:00	-8.5	69.0	29.51
VP-9_30	0595	0178	2/9/2016	19:05	-27	67.6	29.49	23:13	-12.5	69.0	29.51
VP-9_40	0066	0075	2/9/2016	19:05	-27	67.6	29.49	22:00	-8.5	69.0	29.51
VP-9_50	0515	0422	2/9/2016	19:05	-28.5	67.6	29.49	21:44	-7	69.2	29.51
VP-9_60	1524	0187	2/9/2016	19:05	-30	67.6	29.49	22:15	-8.5	69.0	29.51

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-105_5	0629	0179	2/9/2016	1845	-28.5	67.6	29.49	21:39	-8	69.2	29.51
VP-105_10	1188	0048	2/9/2016	1845	-30	67.6	29.49	21:39	-7.5	69.2	29.51
VP-105_20	2040	0057	2/9/2016	1845	-29	67.6	29.49	21:43	-8.5	69.2	29.51
VP-105_32	2692	0039	2/9/2016	1845	-29	67.6	29.49	Water in sample line – unable to sample			
VP-105_50	0954	0054	2/9/2016	1845	-29	67.6	29.49	21:39	-8	69.2	29.51
VP-105_60	21115	0355	2/9/2016	1845	-28	67.6	29.49	21:39	-8	69.2	29.51
VP-105_72	2184	0040	2/9/2016	1845	-30	67.6	29.49	23:08	-14	69.2	29.51
VP-1_5	2743	0174	2/6/2016	08:03	-30	37.6	30.32	11:37	-8	42.3	30.26
VP-1_10	0956	0186	2/6/2016	08:03	-29.5	37.6	30.32	11:12	-8	42.3	30.26
VP-1_20	0682	0183	2/6/2016	08:03	-30	37.6	30.32	10:58	-8	42.3	30.26
VP-1_30	0801	0195	2/6/2016	08:03	-30	37.6	30.32	10:52	-8	42.3	30.26
VP-2_5	0537	0393	2/6/2016	08:20	-29	37.6	30.32	11:05	-7.5	42.3	30.26
VP-2_10	0452	0523	2/6/2016	08:20	-30	37.6	30.32	11:03	-8	42.3	30.26
VP-2_20	0576	0426	2/6/2016	08:20	-28	37.6	30.32	11:03	-8	42.3	30.26
VP-2_30	0570	0327	2/6/2016	08:20	-30	37.6	30.32	11:01	-8	42.3	30.26
VP-3_5	2702	0158	2/2/2016	07:58	-29.5	56.1	30.21	10:34	-7.0	56.0	30.21
VP-3_10	1051	0239	2/2/2016	07:58	-29	56.1	30.21	09:37	-7.0	61.5	30.21
VP-3_20	0808	0176	2/2/2016	07:58	-29	56.2	30.21	10:36	-7.5	56.0	30.21
VP-3_30	2372	0171	2/2/2016	07:58	-30	56.0	30.21	10:40	-7	56.2	30.21

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-3D_40	2336	0192	2/2/16	07:58	-29.5	56.0	30.21	10:37	-7	56.0	30.21
VP-3D_51	2307	0193	2/2/16	07:58	-29	56.2	30.21	10:25	-7	56.0	30.23
VP-3D_61	0622	0177	2/2/16	08:47	-29	56.1	30.21	11:12	-8	56.1	30.21
VP-3D_73	0859	0162	2/2/16	09:16	-29	56.1	30.21	12:06	-8	66.1	30.21
VP-4_5											
VP-4_10											
VP-4_20											
VP-4_30											
VP-5_5	0593	0597	02/06/16	09:01							
VP-5_10	2674	0515	02/06/16	09:02	-29.5	37.9	30.30	10:50	-7	40.6	30.27
VP-5_20	2671	0056	02/06/16	08:42	-29.5	37.9	30.30	11:25	-8	42.5	30.26
VP-5_30	0103	0598	02/06/16	07:43	-30	37.6	30.32	10:23	-8	38.2	30.29
VP-6_5	1043	0540	02/06/16	08:52	-30	37.9	30.30	12:27	-8.5	42.4	30.26
VP-6_10	1689	0428	02/06/16	08:52	-30	37.9	30.30	11:45	-7.5	42.3	30.26
VP-6_20	0393	0429	02/06/16	08:52	-29.5	37.9	30.30	11:51	-8	42.3	30.26
VP-6_30	0957	0049	02/06/16	08:52	-29.5	37.9	30.30	11:48	-7	42.3	30.26
VP-101_5											
VP-101_15											
VP-101_27											

WATER IN SAMPLE LINE - UNABLE TO COLLECT SAMPLE

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-106_5											
VP-106_11											
VP-106_19.5											
VP-106_28											
VP-106_56											
VP-106_72											
VP-106_84											
VP-108_5	0053	0199	2/2/16	08:41	-29.5	45.6	30.21	11:10	-8	58.7	30.22
VP-108_10	0804	0166	2/2/16	08:41	-29	45.6	30.21	11:10	-8	58.7	30.22
VP-108_20	2104	0167	2/2/16	08:42	-30	45.6	30.21	11:22	-8	58.7	30.22
VP-108_29.5	2318	0170	2/2/16	08:42	-28	45.6	30.21	11:10	-8.5	58.7	30.22
VP-108D_50.5	1249	0194	2/2/16	08:40	-30	45.6	30.21	11:14	-8	58.7	30.22
VP-108D_60	0818	0245	2/2/16	08:40	-29.5	45.6	30.21	11:23	-8	58.7	30.22
VP-108D_70	2333	0185	2/2/16	08:40	-30	45.6	30.21	11:45	-8	58.7	30.22

[illegible]

TABLE 2

Sample Collection Log

To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

iPark

LA Fitness

LA Fitness

Ambient

Location:

UNOCCUPIED C4

Date:

2/11/16

Sample Type (Circle)

SS-Nested

Sub-Slab

Indoor

Ambient

Depth (if applicable)

(feet)

Manister Volume (circle)

6 - Liter

1 - Liter

Sample ID:

VP-104-5-20160211

Sampler Name:

Jon Byk

LEAK CHECK (circle)

YES

NO

He Instrument:

Dielectric multiplicity

Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
8:20	0.0%	62%	YES / NO	0.0%	YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	End Date	End Time	Final Vacuum (in Hg)
1635	0177	2/11/14	8:48	-28	2/11/16	11:03	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	8:40	0.0	56.0	29.79	-28
	9:33				-20
	10:33	0.0	55.9	29.79	-14
Sampling End	11:03	0.0	60.1	29.79	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED C4

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-10410-201602#1

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1265	0185	2/11/16	8:48	-30	2/11/16	11:32	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	8:48	0.0	56.0	29.79	~30
	9:37				-24
	10:33	0.0	55.9	29.79	-17
Sampling End	11:32	0.0	60.1	29.79	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED C4

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-104-19-201602F1

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2298</u>	<u>0041</u>	<u>2/11/16</u>	<u>8:48</u>	<u>-30</u>	<u>2/11/16</u>	<u>11:28</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>8:48</u>	<u>0.0</u>	<u>56.0</u>	<u>29.79</u>	<u>-30</u>
	<u>9:37</u>				<u>-29</u>
	<u>10:33</u>	<u>0.0</u>	<u>55.9</u>	<u>29.79</u>	<u>-16</u>
Sampling End	<u>11:28</u>	<u>0.0</u>	<u>60.1</u>	<u>29.79</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED C4

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-104-30-20160211

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0992	0196	2/11/16	8:48	-29	2/11/16	11:51	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	08:48	0.0	56.0	29.79	-29
	09:37				-22
	10:33	0.0	55.9	29.79	-15
Sampling End	11:51	0.0	60.1	29.79	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED C4

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-104-40-20160211

Sampler Name: IT3

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2368</u>	<u>0093</u>	<u>2/11/16</u>	<u>8:48</u>	<u>-29</u>	<u>2/11/16</u>	<u>11:26</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>8:48</u>	<u>0.0</u>	<u>56.0</u>	<u>29.79</u>	<u>= 29</u>
	<u>9:37</u>				<u>-22</u>
	<u>10:33</u>	<u>0.0</u>	<u>55.9</u>	<u>29.79</u>	<u>= 14</u>
Sampling End	<u>11:26</u>	<u>0.0</u>	<u>60.1</u>	<u>29.79</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED C4

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-104-50-20160211

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2330</u>	<u>0606</u>	<u>2/11/16</u>	<u>8:48</u>	<u>-30</u>	<u>2/11/16</u>	<u>11:40</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>8:40</u>	<u>0.0</u>	<u>56.0</u>	<u>29.79</u>	<u>-30</u>
	<u>9:37</u>				<u>-24</u>
	<u>10:33</u>	<u>0.0</u>	<u>55.9</u>	<u>29.79</u>	<u>-15</u>
Sampling End	<u>11:40</u>	<u>0.0</u>	<u>60.1</u>	<u>29.79</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED C4

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-104-62-20160211

Sampler Name: JD

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2800</u>	<u>0354</u>	<u>2/11/16</u>	<u>8:48</u>	<u>-30</u>	<u>2/11/16</u>	<u>11:52</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>8:48</u>	<u>0.0</u>	<u>56.0</u>	<u>29.79</u>	<u>-30</u>
	<u>9:37</u>				<u>-25</u>
	<u>10:33</u>	<u>0.0</u>	<u>55.9</u>	<u>29.79</u>	<u>-10</u>
Sampling End	<u>11:52</u>	<u>0.0</u>	<u>60.1</u>	<u>29.79</u>	

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED CH

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-104-73-20160211

Sampler Name: JTB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0980</u>	<u>0194</u>	<u>2/11/16</u>	<u>8:48</u>	<u>-29</u>	<u>2/11/16</u>	<u>11:30</u>	<u>-9</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>8:48</u>	<u>0.0</u>	<u>56.0</u>	<u>29.79</u>	<u>-29</u>
	<u>9:37</u>				<u>-21</u>
	<u>10:33</u>	<u>0.0</u>	<u>55.9</u>	<u>29.79</u>	<u>-16</u>
Sampling End	<u>11:30</u>	<u>0.0</u>	<u>60.1</u>	<u>29.79</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED B2

Date: 02/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-8-5-20160211

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2344</u>	<u>0050</u>	<u>2/11/16</u>	<u>9:30</u>	<u>-30</u>	<u>2/11/16</u>	<u>1244</u>	<u>-8.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	<u>VAC ("Hg)</u>
Sampling Start	<u>0930</u>	<u>0.0</u>	<u>53.3</u>	<u>29.79</u>	<u>-30</u>
	<u>1045</u>	<u>0.0</u>	<u>54.2</u>	<u>29.79</u>	<u>-19.5</u>
Sampling End	<u>1244</u>	<u>0.0</u>	<u>54.9</u>	<u>29.79</u>	<u>-8.5</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED B2

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-8-10-20160211

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2742</u>	<u>0607</u>	<u>2/11/16</u>	<u>9:30</u>	<u>-30</u>	<u>2/11/16</u>	<u>1208</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0930</u>	<u>0.0</u>	<u>53.3</u>	<u>29.75</u>
	<u>1045</u>	<u>0.0</u>	<u>57.2</u>	<u>29.75</u>
Sampling End	<u>12:08</u>	<u>0.0</u>	<u>54.9</u>	<u>29.75</u>

VAC ("Hg)
-30
-20
-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED B2

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-8-20-2060211

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1054</u>	<u>0358</u>	<u>2/11/16</u>	<u>9:30</u>	<u>-30</u>	<u>2/11/16</u>	<u>1222</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (" Hg)
Sampling Start	<u>7045 0930</u>	<u>0.0</u>	<u>53.3</u>	<u>29.79</u>	<u>-30</u>
	<u>1045</u>	<u>0.0</u>	<u>54.2</u>	<u>29.79</u>	<u>-21</u>
Sampling End	<u>1222</u>	<u>0.0</u>	<u>54.9</u>	<u>29.79</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED B2

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-8D-S3-S-20160211

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
9:15	0.09%	60.2%	YES / NO	0.0%	YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2049	0176	2/11/16	9:30	-28	2/11/16	12:05	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (H ₂)
Sampling Start	0931	0.0	53.3	29.75	-28
	1046	0.0	54.2	29.75	-18
Sampling End	12:05	0.0	57.9	29.75	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: Unoccupied B2

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-8D-62-5-20160211

Sampler Name: IB

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0118</u>	<u>0167</u>	<u>2/11/16</u>	<u>9:31</u>	<u>-30</u>	<u>2/11/16</u>	<u>1205</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>0931</u>	<u>0.0</u>	<u>53.3</u>	<u>29.79</u>	<u>VAC -30</u>
	<u>1046</u>	<u>0.0</u>	<u>54.2</u>	<u>29.79</u>	<u>-17</u>
Sampling End	<u>1205</u>	<u>0.0</u>	<u>54.9</u>	<u>29.79</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

DUPLICATE

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: UNOCCUPIED B2

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-BD-62-5-20160211 DOP

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1727	0192	2/11/16	9:31	-29	2/11/16	1200	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	0931	0.0	53.3	29.79	<u>JAC</u> -29
	1046	0.0	54.2	29.79	-20
Sampling End	1200	0.0	54.9	29.79	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: Unoccupied B2

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-8D-R.S-20160211

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2655</u>	<u>0162</u>	<u>2/11/16</u>	<u>9:31</u>	<u>-30</u>	<u>2/11/16</u>	<u>12:28</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	<u>VAC</u>
Sampling Start	<u>0931</u>	<u>0.0</u>	<u>53.3</u>	<u>29.79</u>	<u>-30</u>
	<u>1046</u>	<u>0.0</u>	<u>54.2</u>	<u>29.75</u>	<u>-19</u>
Sampling End	<u>1228</u>	<u>0.0</u>	<u>54.9</u>	<u>29.75</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: HAUWAY - ANTECLIT

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: FPM-20-5-20160211

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1608</u>	<u>0184</u>	<u>2/11/16</u>	<u>9:50</u>	<u>-30</u>	<u>2/11/16</u>	<u>12:30</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	<u>VAC</u>
Sampling Start	<u>9:50</u>	<u>0.0</u>	<u>58.7</u>	<u>29.75</u>	<u>-30</u>
	<u>11:05</u>	<u>0.0</u>	<u>58.5</u>	<u>29.75</u>	<u>-20</u>
	<u>12:02</u>				<u>-14</u>
Sampling End	<u>12:30</u>	<u>0.0</u>	<u>62.5</u>	<u>29.70</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: HALLOWAY - ANTECH

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: FPM-20-9.4-20160211

Sampler Name: JR

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2715</u>	<u>0225</u>	<u>2/11/16</u>		<u>-29</u>	<u>2/11/16</u>	<u>12:35</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC
Sampling Start	<u>9:50</u>	<u>0.0</u>	<u>58.5</u>	<u>29.75</u>	<u>-29</u>
	<u>11:05</u>	<u>0.0</u>	<u>58.5</u>	<u>29.75</u>	<u>-20</u>
	<u>12:02</u>				<u>-11</u>
Sampling End	<u>12:35</u>	<u>0.0</u>	<u>62.5</u>	<u>29.78</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

1 DUPLICATE
NOT ANALYZED

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: HALLOWAY - ANTECH

Date: 2/11/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: FPM-20-9-4-20160211 DUP

Sampler Name: JB

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2124</u>	<u>0330</u>	<u>2/11/16</u>	<u>9:50</u>	<u>-29</u>	<u>2/11/16</u>	<u>1105</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>9:50</u>	<u>0.0</u>	<u>58.7</u>	<u>29.75</u> - 29
	<u>1105</u>	<u>0.0</u>	<u>58.5</u>	<u>29.75</u> - 7
Sampling End				

OBSERVATIONS/NOTES

* NOT TRUE DUPLICATE. RAN FOR ONLY 1 HR,
FPM-20-9-4-20160211 RAN FINE. DID NOT
SWITCH DUP CAN IN ORDER to KEEP SAMPLING
w/ FPM-20-9-4-20160211



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-102_4.5											
VP-102_8.5											
VP-102_19.5											
VP-102_51.5											
VP-102_57.5											
VP-102_61.5											
VP-102_73.5											
VP-103_5											
VP-103_10											
VP-103_20											
VP-103_30											
VP-103_40											
VP-103_50											
VP-103_61.5											
VP-103_74.5											
VP-104_5	1635	0177	2/11/16	08:48	-28	56.0	29.79	11:03	-8	60.1	29.79
VP-104_10	1265	0185	2/11/16	08:48	-30	56.0	29.79	11:32	-8	60.1	29.79
VP-104_19	2298	0041	2/11/16	08:48	-30	56.0	29.79	11:28	-8	60.1	29.79

Nested Soil Vapor Point Field Log
Lockheed Martin Corporation
Former Unisys Facility

1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-104_30	0992	0196	2/11/16	08:48	-29	56.0	29.79	11:51	-8	60.1	29.79
VP-104_40	2368	0093	2/11/16	08:48	-29	56.0	29.79	11:26	-8	60.1	29.79
VP-104_50	2330	0606	2/11/16	08:48	-30	56.0	29.79	11:40	-8	60.1	29.79
VP-104_62	2800	0354	2/11/16	08:48	-30	56.0	29.79	11:52	-8	60.1	29.79
VP-104_73	0980	0194	2/11/16	08:48	-29	56.0	29.79	11:30	-8	60.1	29.79
VP-107_5	1257	0359	2/16/16	1834	-29	73.1	29.43	21:20	-8	78.3	29.54
VP-107_13	2799	0599	2/16/16	1834	-30	73.1	29.43	2135	-8	78.3	29.54
VP-107_20	2688	0356	2/16/16	1834	-30	73.1	29.43	2152	-8	78.3	29.54
VP-107_33.5	2691	0540	2/16/16	1834	-30	73.1	29.43	2220	-8	76.6	29.63
VP-107_44	2746	0049	2/16/16	1834	-29	73.1	29.43	2129	-8	78.3	29.54
VP-107_60	2060	0523	2/16/16	1834	-30	73.1	29.43	2255	-10	76.8	29.65
VP-107_74	1207	0054	2/16/16	1834	-29	73.1	29.43	2142	-8	78.3	29.54
LII-VP-7_5											
LII-VP-7_10											
LII-VP-7_20											
LII-VP-7_30											
LII-VP-7_40											
LII-VP-7_50											
FPM-20_5	1608	0184	2/11/16	09:50	-30	58.7	29.79	12:30	-8	60.1	29.78

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
FPM-20_9.4	2715	0225	2/11/16	09:50	-29	58.7	29.79	12:35	-8	60.1	29.78
VP-8_5	2344	0050	2/11/16	09:30	-30	53.3	29.79	12:44	-8.5	54.9	29.79
VP-8_10	2742	0607	2/11/16	09:30	-30	53.3	29.79	12:08	-8	54.9	29.79
VP-8_20	1054	0358	2/11/16	09:30	-30	53.3	29.79	12:22	-8	54.9	29.79
VP-8D_53.5	2049	0176	2/11/16	09:31	-28	53.3	29.79	12:05	-8	54.9	29.79
VP-8D_62.5	0118	0167	2/11/16	09:31	-30	53.3	29.79	12:05	-8	54.9	29.79
VP-8D_72.5	2655	0162	2/11/16	09:31	-30	53.3	29.79	12:28	-8	54.9	29.79
VP-NYSDEC-5_5	2048	0091	2/9/16	18:24	-30	67.6	29.49	21:12	-8	69.2	29.51
VP-NYSDEC-5_10	1233	0035	2/9/16	18:24	-30	67.6	29.49	21:27	-8	69.2	29.51
VP-NYSDEC-5_20	2385	0025	2/9/16	18:24	-29	67.6	29.49	21:07	-7	69.2	29.51
VP-NYSDEC-5_30	1279	0134	2/9/16	18:24	-30	67.6	29.49	21:12	-7	69.2	29.51
VP-NYSDEC-5_40	2097	0438	2/9/16	18:24	-28	67.6	29.49	20:28	-7	69.2	29.51
VP-NYSDEC-5_50	2138	0131	2/9/16	18:24	-29	67.6	29.49	21:07	-7	69.2	29.51
VP-9_10	2748	0412	2/9/16	19:05	-29	67.6	29.49	21:15	-7	69.2	29.51
VP-9_20	2756	0045	2/9/16	19:05	-29.5	67.6	29.49	22:00	-8.5	69.0	29.51
VP-9_30	0595	0178	2/9/16	19:05	-27	67.6	29.49	23:13	-12.5	69.0	29.51
VP-9_40	0066	0075	2/9/16	19:05	-27	67.6	29.49	22:00	-8.5	69.0	29.51
VP-9_50	0515	0422	2/9/16	19:05	-28.5	67.6	29.49	21:44	-7	69.2	29.51
VP-9_60	1524	0187	2/9/16	19:05	-30	67.6	29.49	22:15	-8.5	69.0	29.51

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-105_5	0629	0179	2/9/16	1845	-28.5	67.6	29.49	21:39	-8	69.2	29.51
VP-105_10	1188	0048	2/9/16	1845	-30	67.6	29.49	21:39	-7.5	69.2	29.51
VP-105_20	2040	0057	2/9/16	1845	-29	67.6	29.49	21:43	-8.5	69.2	29.51
VP-105_32	2692	0039	2/9/16	1845	-29	67.6	29.49	Water in sample line – unable to sample			
VP-105_50	0954	0054	2/9/16	1845	-29	67.6	29.49	21:39	-8	69.2	29.51
VP-105_60	21115	0355	2/9/16	1845	-28	67.6	29.49	21:39	-8	69.2	29.51
VP-105_72	2184	0040	2/9/16	1845	-30	67.6	29.49	23:08	-14	69.2	29.51
VP-1_5	2743	0174	2/6/16	08:03	-30	37.6	30.32	11:37	-8	42.3	30.26
VP-1_10	0956	0186	2/6/16	08:03	-29.5	37.6	30.32	11:12	-8	42.3	30.26
VP-1_20	0682	0183	2/6/16	08:03	-30	37.6	30.32	10:58	-8	42.3	30.26
VP-1_30	0801	0195	2/6/16	08:03	-30	37.6	30.32	10:52	-8	42.3	30.26
VP-2_5	0537	0393	2/6/16	08:20	-29	37.6	30.32	11:05	-7.5	42.3	30.26
VP-2_10	0452	0523	2/6/16	08:20	-30	37.6	30.32	11:03	-8	42.3	30.26
VP-2_20	0576	0426	2/6/16	08:20	-28	37.6	30.32	11:03	-8	42.3	30.26
VP-2_30	0570	0327	2/6/16	08:20	-30	37.6	30.32	11:01	-8	42.3	30.26
VP-3_5	2702	0158	2/2/16	07:58	-29.5	56.1	30.21	10:34	-7.0	56.0	30.21
VP-3_10	1051	0239	2/2/16	07:58	-29	56.1	30.21	09:37	-7.0	61.5	30.21
VP-3_20	0808	0176	2/2/16	07:58	-29	56.2	30.21	10:36	-7.5	56.0	30.21
VP-3_30	2372	0171	2/2/16	07:58	-30	56.0	30.21	10:40	-7	56.2	30.21

Nested Soil Vapor Point Field Log
Lockheed Martin Corporation
Former Unisys Facility

1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-3D_40	2336	0192	2/2/16	07:58	-29.5	56.0	30.21	10:37	-7	56.0	30.21
VP-3D_51	2307	0193	2/2/16	07:58	-29	56.2	30.21	10:25	-7	56.0	30.23
VP-3D_61	0622	0177	2/2/16	08:47	-29	56.1	30.21	11:12	-8	56.1	30.21
VP-3D_73	0859	0162	2/2/16	09:16	-29	56.1	30.21	12:06	-8	66.1	30.21
VP-4_5											
VP-4_10											
VP-4_20											
VP-4_30											
VP-5_5	0593	0597	02/06/16	09:01							
VP-5_10	2674	0515	02/06/16	09:02	-29.5	37.9	30.30	10:50	-7	40.6	30.27
VP-5_20	2671	0056	02/06/16	08:42	-29.5	37.9	30.30	11:25	-8	42.5	30.26
VP-5_30	0103	0598	02/06/16	07:43	-30	37.6	30.32	10:23	-8	38.2	30.29
VP-6_5	1043	0540	02/06/16	08:52	-30	37.9	30.30	12:27	-8.5	42.4	30.26
VP-6_10	1689	0428	02/06/16	08:52	-30	37.9	30.30	11:45	-7.5	42.3	30.26
VP-6_20	0393	0429	02/06/16	08:52	-29.5	37.9	30.30	11:51	-8	42.3	30.26
VP-6_30	0957	0049	02/06/16	08:52	-29.5	37.9	30.30	11:48	-7	42.3	30.26
VP-101_5											
VP-101_15											
VP-101_27											

WATER IN SAMPLE LINE - UNABLE TO COLLECT SAMPLE

Nested Soil Vapor Point Field Log
 Lockheed Martin Corporation
 Former Unisys Facility
 1111 Marcus Avenue, Lake Success, New York



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-106_5											
VP-106_11											
VP-106_19.5											
VP-106_28											
VP-106_56											
VP-106_72											
VP-106_84											
VP-108_5	0053	0199	2/2/16	08:41	-29.5	45.6	30.21	11:10	-8	58.7	30.22
VP-108_10	0804	0166	2/2/16	08:41	-29	45.6	30.21	11:10	-8	58.7	30.22
VP-108_20	2104	0167	2/2/16	08:42	-30	45.6	30.21	11:22	-8	58.7	30.22
VP-108_29.5	2318	0170	2/2/16	08:42	-28	45.6	30.21	11:10	-8.5	58.7	30.22
VP-108D_50.5	1249	0194	2/2/16	08:40	-30	45.6	30.21	11:14	-8	58.7	30.22
VP-108D_60	0818	0245	2/2/16	08:40	-29.5	45.6	30.21	11:23	-8	58.7	30.22
VP-108D_70	2333	0185	2/2/16	08:40	-30	45.6	30.21	11:45	-8	58.7	30.22

Duplicate Samples

[illegible]

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle)	<u>iPark</u>	LA Fitness	LA Fitness	Ambient
Location:	<u>DEALER TRACK</u>			
Date:	<u>2/16/16</u>			
Sample Type (Circle)	<u>SS-Nested</u>	Sub-Slab	Indoor	Ambient
Depth (if applicable)	(feet)			
Canister Volume (circle)	<u>6-Liter</u>	1-Liter		
Sample ID:	<u>VP-107-5-20160216</u>			
Sampler Name:	<u>Jon B. M.</u>			

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1257</u>	<u>0359</u>	<u>2/16/16</u>	<u>1834</u>	<u>-29</u>	<u>2/16/16</u>	<u>2120</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (" Hg)
Sampling Start	<u>1834</u>	<u>0.0</u>	<u>73.1</u>	<u>29.43</u>	<u>-29</u>
	<u>1940</u>	<u>0.0</u>	<u>73.2</u>	<u>29.46</u>	<u>-20</u>
	<u>2047</u>	<u>0.0</u>	<u>77.2</u>	<u>29.49</u>	<u>-11</u>
Sampling End	<u>2120</u>	<u>0.0</u>	<u>78.3</u>	<u>29.54</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: DEALCART RACK

Date: 2/16/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-107-13-20160216

Sampler Name: Jim Byll

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2799</u>	<u>0599</u>	<u>2/16/16</u>	<u>1834</u>	<u>-30</u>	<u>12/16/16</u>	<u>2135</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC ("H)
Sampling Start	<u>1834</u>	<u>0.0</u>	<u>73.1</u>	<u>29.43</u>	<u>-29</u>
	<u>1940</u>	<u>0.0</u>	<u>73.2</u>	<u>29.46</u>	<u>-21.5</u>
	<u>2047</u>	<u>0.0</u>	<u>77.2</u>	<u>29.49</u>	<u>-12</u>
Sampling End	<u>2135</u>	<u>0.0</u>	<u>78.3</u>	<u>29.54</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: DECATUR TRACK

Date: 2/16/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-107-20-20160216

Sampler Name: Jan Byk

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2688</u>	<u>0356</u>	<u>2/16/16</u>	<u>1834</u>	<u>-30</u>	<u>2/16/16</u>	<u>2152</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC ("Hg)
Sampling Start	<u>1834</u>	<u>0.0</u>	<u>73.1</u>	<u>29.43</u>	<u>-30</u>
	<u>1940</u>	<u>0.0</u>	<u>73.2</u>	<u>29.46</u>	<u>-22</u>
	<u>2047</u>	<u>0.0</u>	<u>77.2</u>	<u>29.49</u>	<u>-13.5</u>
Sampling End	<u>2152</u>	<u>0.0</u>	<u>78.3</u>	<u>29.54</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: DEALER TRACK

Date: 2/16/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-107-33.5-20160216

Sampler Name: Ta Byk

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2691</u>	<u>0540</u>	<u>2/16/16</u>	<u>1834</u>	<u>-30</u>	<u>2/16/16</u>		

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (" Hg)
Sampling Start	<u>1834</u>	<u>0.0</u>	<u>73.1</u>	<u>29.43</u>	<u>-30</u>
	<u>1940</u>	<u>0.0</u>	<u>73.2</u>	<u>29.46</u>	<u>-23</u>
	<u>2047</u>	<u>0.0</u>	<u>77.2</u>	<u>29.49</u>	<u>-15</u>
Sampling End	<u>2220</u>	<u>0.0</u>	<u>76.6</u>	<u>28.54</u>	<u>-8</u>

OBSERVATIONS/NOTES

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: DEALERSHIP

Date: 2/16/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-107-33-S-20160216 DUP

Sampler Name: Jon Rnk

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1752	0409	2/16/16	1834	-30	2/16/16		

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (H ₂)
Sampling Start	1834	0.0	73.1	29.43	-30
	1940	0.0	73.2	29.46	-28.5
	2047	0.0	77.2	29.49	-27
Sampling End	2220	0.0	76.6	29.54	-26

OBSERVATIONS/NOTES

NOT ANALYZED

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: DEALER TRACK

Date: 2/16/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-107-44-20160216

Sampler Name:

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2746</u>	<u>0049</u>	<u>2/16/16</u>	<u>1834</u>	<u>-29</u>	<u>2/16/16</u>	<u>2129</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC ("Hg)
Sampling Start	<u>1834</u>	<u>0.0</u>	<u>73.1</u>	<u>29.45</u>	<u>-29</u>
	<u>1940</u>	<u>0.0</u>	<u>73.7</u>	<u>29.46</u>	<u>-21</u>
	<u>2047</u>	<u>0.0</u>	<u>77.2</u>	<u>29.49</u>	<u>-11</u>
Sampling End	<u>2129</u>	<u>0.0</u>	<u>78.3</u>	<u>29.54</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: DEALER TRACK

Date: 2/16/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-107-60-20160216

Sampler Name: Jay Byll

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2060</u>	<u>0523</u>	<u>2/16/16</u>	<u>1824</u>	<u>-30</u>	<u>2/16/16</u>	<u>2255</u>	

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): RESMEL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	<u>VAC (" Hg)</u>
Sampling Start	<u>1843</u>	<u>0.0</u>	<u>73.1</u>	<u>29.43</u>	<u>-30</u>
	<u>1940</u>	<u>0.0</u>	<u>73.2</u>	<u>29.46</u>	<u>-25</u>
	<u>2047</u>	<u>0.0</u>	<u>77.2</u>	<u>29.49</u>	<u>-19</u>
Sampling End	<u>2255</u>	<u>0.0</u>	<u>76.8</u>	<u>29.65</u>	<u>-10</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: DEALER TRACK

Date: 2/16/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-107-74-20160216

Sampler Name: _____

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1207</u>	<u>0056</u>	<u>2/16/16</u>	<u>1834</u>	<u>-3.5</u>	<u>2/16/16</u>	<u>2142</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (H ₂)
Sampling Start	<u>1834</u>	<u>0.0</u>	<u>73.1</u>	<u>29.43</u>	<u>-29</u>
	<u>1940</u>	<u>0.0</u>	<u>73.2</u>	<u>29.46</u>	<u>-21</u>
	<u>2047</u>	<u>0.0</u>	<u>77.2</u>	<u>29.79</u>	<u>-14</u>
Sampling End	<u>2142</u>	<u>0.0</u>	<u>78.3</u>	<u>29.54</u>	<u>-8</u>

OBSERVATIONS/NOTES

[illegible]



The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

[illegible]

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-102_4.5											
VP-102_8.5											
VP-102_19.5											
VP-102_51.5											
VP-102_57.5											
VP-102_61.5											
VP-102_73.5											
VP-103_5											
VP-103_10											
VP-103_20											
VP-103_30											
VP-103_40											
VP-103_50											
VP-103_61.5											
VP-103_74.5											
VP-104_5	1635	0177	2/11/16	08:48	-28	56.0	29.79	11:03	-8	60.1	29.79
VP-104_10	1265	0185	2/11/16	08:48	-30	56.0	29.79	11:32	-8	60.1	29.79
VP-104_19	2298	0041	2/11/16	08:48	-30	56.0	29.79	11:28	-8	60.1	29.79

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-104_30	0992	0196	2/11/16	08:48	-29	56.0	29.79	11:51	-8	60.1	29.79
VP-104_40	2368	0093	2/11/16	08:48	-29	56.0	29.79	11:26	-8	60.1	29.79
VP-104_50	2330	0606	2/11/16	08:48	-30	56.0	29.79	11:40	-8	60.1	29.79
VP-104_62	2800	0354	2/11/16	08:48	-30	56.0	29.79	11:52	-8	60.1	29.79
VP-104_73	0980	0194	2/11/16	08:48	-29	56.0	29.79	11:30	-8	60.1	29.79
VP-107_5	1257	0359	2/16/16	18:34	-29	73.1	29.43	21:20	-8	78.3	29.54
VP-107_13	2799	0599	2/16/16	18:34	-30	73.1	29.43	21:35	-8	78.3	29.54
VP-107_20	2688	0356	2/16/16	18:34	-30	73.1	29.43	21:52	-8	78.3	29.54
VP-107_33.5	2691	0540	2/16/16	18:34	-30	73.1	29.43	22:20	-8	76.6	29.63
VP-107_44	2746	0049	2/16/16	18:34	-29	73.1	29.43	21:29	-8	78.3	29.54
VP-107_60	2060	0523	2/16/16	18:34	-30	73.1	29.43	22:55	-10	76.8	29.65
VP-107_74	1207	0056	2/16/16	18:34	-29	73.1	29.43	21:42	-8	78.3	29.54
LJJ-VP-7_5											
LJJ-VP-7_10											
LJJ-VP-7_20											
LJJ-VP-7_30											
LJJ-VP-7_40											
LJJ-VP-7_50											
FPM-20_5	1608	0184	2/11/16	09:50	-30	58.7	29.79	12:30	-8	60.1	29.78

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
FPM-20_9.4	2715	0225	2/11/16	09:50	-29	58.7	29.79	12:35	-8	60.1	29.78
VP-8_5	2344	0050	2/11/16	09:30	-30	53.3	29.79	12:44	-8.5	54.9	29.79
VP-8_10	2742	0607	2/11/16	09:30	-30	53.3	29.79	12:08	-8	54.9	29.79
VP-8_20	1054	0358	2/11/16	09:30	-30	53.3	29.79	12:22	-8	54.9	29.79
VP-8D_53.5	2049	0176	2/11/16	09:31	-28	53.3	29.79	12:05	-8	54.9	29.79
VP-8D_62.5	0118	0167	2/11/16	09:31	-30	53.3	29.79	12:05	-8	54.9	29.79
VP-8D_72.5	2655	0162	2/11/16	09:31	-30	53.3	29.79	12:28	-8	54.9	29.79
VP-NYSDEC-5_5	2048	0091	2/9/16	18:24	-30	67.6	29.49	21:12	-8	69.2	29.51
VP-NYSDEC-5_10	1233	0035	2/9/16	18:24	-30	67.6	29.49	21:27	-8	69.2	29.51
VP-NYSDEC-5_20	2385	0025	2/9/16	18:24	-29	67.6	29.49	21:07	-7	69.2	29.51
VP-NYSDEC-5_30	1279	0134	2/9/16	18:24	-30	67.6	29.49	21:12	-7	69.2	29.51
VP-NYSDEC-5_40	2097	0438	2/9/16	18:24	-28	67.6	29.49	20:28	-7	69.2	29.51
VP-NYSDEC-5_50	2138	0131	2/9/16	18:24	-29	67.6	29.49	21:07	-7	69.2	29.51
VP-9_10	2748	0412	2/9/16	19:05	-29	67.6	29.49	21:15	-7	69.2	29.51
VP-9_20	2756	0045	2/9/16	19:05	-29.5	67.6	29.49	22:00	-8.5	69.0	29.51
VP-9_30	0595	0178	2/9/16	19:05	-27	67.6	29.49	23:13	-12.5	69.0	29.51
VP-9_40	0066	0075	2/9/16	19:05	-27	67.6	29.49	22:00	-8.5	69.0	29.51
VP-9_50	0515	0422	2/9/16	19:05	-28.5	67.6	29.49	21:44	-7	69.2	29.51
VP-9_60	1524	0187	2/9/16	19:05	-30	67.6	29.49	22:15	-8.5	69.0	29.51

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-105_5	0629	0179	2/9/16	1845	-28.5	67.6	29.49	21:39	-8	69.2	29.51
VP-105_10	1188	0048	2/9/16	1845	-30	67.6	29.49	21:39	-7.5	69.2	29.51
VP-105_20	2040	0057	2/9/16	1845	-29	67.6	29.49	21:43	-8.5	69.2	29.51
VP-105_32	2692	0039	2/9/16	1845	-29	67.6	29.49	Water in sample line – unable to sample			
VP-105_50	0954	0054	2/9/16	1845	-29	67.6	29.49	21:39	-8	69.2	29.51
VP-105_60	21115	0355	2/9/16	1845	-28	67.6	29.49	23:08	-14	69.2	29.51
VP-105_72	2184	0040	2/9/16	1845	-30	67.6	29.49	11:37	-8	42.3	30.26
VP-1_5	2743	0174	2/6/16	08:03	-30	37.6	30.32	11:12	-8	42.3	30.26
VP-1_10	0956	0186	2/6/16	08:03	-29.5	37.6	30.32	10:58	-8	42.3	30.26
VP-1_20	0682	0183	2/6/16	08:03	-30	37.6	30.32	10:52	-8	42.3	30.26
VP-1_30	0801	0195	2/6/16	08:03	-30	37.6	30.32	11:05	-7.5	42.3	30.26
VP-2_5	0537	0393	2/6/16	08:20	-29	37.6	30.32	11:03	-8	42.3	30.26
VP-2_10	0452	0523	2/6/16	08:20	-30	37.6	30.32	11:03	-8	42.3	30.26
VP-2_20	0576	0426	2/6/16	08:20	-28	37.6	30.32	11:01	-8	42.3	30.26
VP-2_30	0570	0327	2/6/16	08:20	-30	37.6	30.32	10:34	-7.0	56.0	30.21
VP-3_5	2702	0158	2/2/16	07:58	-29.5	56.1	30.21	09:37	-7.0	61.5	30.21
VP-3_10	1051	0239	2/2/16	07:58	-29	56.1	30.21	10:36	-7.5	56.0	30.21
VP-3_20	0808	0176	2/2/16	07:58	-29	56.2	30.21	10:40	-7	56.2	30.21
VP-3_30	2372	0171	2/2/16	07:58	-30	56.0	30.21				

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-3D_40	2336	0192	2/2/16	07:58	-29.5	56.0	30.21	10:37	-7	56.0	30.21
VP-3D_51	2307	0193	2/2/16	07:58	-29	56.2	30.21	10:25	-7	56.0	30.23
VP-3D_61	0622	0177	2/2/16	08:47	-29	56.1	30.21	11:12	-8	56.1	30.21
VP-3D_73	0859	0162	2/2/16	09:16	-29	56.1	30.21	12:06	-8	66.1	30.21
VP-4_5	1796	0327	2/18/16	9:43	-30	38.3	30.29	12:25	-8	40.0	30.28
VP-4_10	2353	0053	2/18/16	9:43	-29.5	38.3	30.29	12:41	-8	40.0	30.28
VP-4_20	2106	0174	2/18/16	9:43	-30	38.3	30.29	12:57	-8	40.0	30.28
VP-4_30	2818	0515	2/18/16	9:43	-29	38.3	30.29	11:40	-8	40.0	30.28
VP-5_5	0593	0597	02/06/16	09:01	WATER IN SAMPLE LINE - UNABLE TO COLLECT SAMPLE						
VP-5_10	2674	0515	02/06/16	09:02	-29.5	37.9	30.30	10:50	-7	40.6	30.27
VP-5_20	2671	0056	02/06/16	08:42	-29.5	37.9	30.30	11:25	-8	42.5	30.26
VP-5_30	0103	0598	02/06/16	07:43	-30	37.6	30.32	10:23	-8	38.2	30.29
VP-6_5	1043	0540	02/06/16	08:52	-30	37.9	30.30	12:27	-8.5	42.4	30.26
VP-6_10	1689	0428	02/06/16	08:52	-30	37.9	30.30	11:45	-7.5	42.3	30.26
VP-6_20	0393	0429	02/06/16	08:52	-29.5	37.9	30.30	11:51	-8	42.3	30.26
VP-6_30	0957	0049	02/06/16	08:52	-29.5	37.9	30.30	11:48	-7	42.3	30.26
VP-101_5	1288	0134	2/18/16	07:58	-30	33.4	30.25	10:47	-8	40.3	30.28
VP-101_15	2695	0428	2/18/16	07:58	-30	33.4	30.25	10:54	-8	40.3	30.28
VP-101_27	2329	0183	2/18/16	07:58	-30	33.4	30.25	10:35	-8	40.3	30.28

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-106_5	1078	0426	2/18/16	9:02	-28	33.7	30.25	11:41	-7.5	40.1	30.28
VP-106_11	0825	0091	2/18/16	9:02	-30	33.7	30.25	11:55	-8	40.1	30.28
VP-106_19.5	1046	0429	2/18/16	9:02	-30	33.7	30.25	11:57	-8	40.1	30.28
VP-106_28	0949	0131	2/18/16	9:02	-29.5	33.7	30.25	11:49	-7.5	40.1	30.28
VP-106_56	2164	0195	2/18/16	9:02	-30	33.7	30.25	12:09	-8	40.1	30.28
VP-106_72	0856	0033	2/18/16	9:02	-30	33.7	30.25	11:43	-8	40.1	30.28
VP-106_84	1089	0598	2/18/16	9:02	-30	33.7	30.25	11:46	-8	40.1	30.28
VP-108_5	0053	0199	2/2/16	08:41	-29.5	45.6	30.21	11:10	-8	58.7	30.22
VP-108_10	0804	0166	2/2/16	08:41	-29	45.6	30.21	11:10	-8	58.7	30.22
VP-108_20	2104	0167	2/2/16	08:42	-30	45.6	30.21	11:22	-8	58.7	30.22
VP-108_29.5	2318	0170	2/2/16	08:42	-28	45.6	30.21	11:10	-8.5	58.7	30.22
VP-108D_50.5	1249	0194	2/2/16	08:40	-30	45.6	30.21	11:14	-8	58.7	30.22
VP-108D_60	0818	0245	2/2/16	08:40	-29.5	45.6	30.21	11:23	-8	58.7	30.22
VP-108D_70	2333	0185	2/2/16	08:40	-30	45.6	30.21	11:45	-8	58.7	30.22

[illegible]

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 12/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-4-5-20160218

Sampler Name: JB/pm

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1496</u>	<u>0327</u>	<u>2/18/16</u>	<u>9:43</u>	<u>-30</u>	<u>2/18/16</u>	<u>1222</u> <u>1225</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500

Check	Time	PID (ppm)	Temp (*F)	Pressure (" Hg)	
Sampling Start	<u>9:43</u>	<u>0.0</u>	<u>38.3</u>	<u>30.29</u>	<u>-30</u>
	<u>1103</u>	<u>0.0</u>	<u>40.3</u>	<u>30.28</u>	<u>-19</u>
	<u>1215</u>	<u>0.0</u>	<u>40.0</u>	<u>30.28</u>	<u>-15-9</u>
Sampling End	<u>1222</u> <u>1225</u>	<u>0.0</u>	<u>40.0</u>	<u>30.28</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

DUPLICATE

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-4-5-20160218DUP

Sampler Name: JO/PM

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0090</u>	<u>0393</u>	<u>2/18/16</u>	<u>9:43</u>	<u>-29</u>	<u>2/18/16</u>	<u>1222</u>	<u>-6</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:43</u>	<u>0.0</u>	<u>38.3</u>	<u>30.29</u>	<u>-29</u>
	<u>1103</u>	<u>0.0</u>	<u>40.3</u>	<u>30.28</u>	<u>-16</u>
	<u>1215</u>	<u>0.0</u>	<u>40.0</u>	<u>30.24</u>	<u>-8.5</u>
Sampling End	<u>1222</u>		<u>40.0</u>	<u>30.28</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-4-10-20160218

Sampler Name: JD/pw

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2353</u>	<u>0053</u>	<u>2/18/16</u>	<u>9:43</u>	<u>-29.5</u>	<u>2/18/16</u>	<u>1241</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 450v

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:43</u>	<u>0.0</u>	<u>38.3</u>	<u>30.29</u>	<u>-29.5</u>
	<u>1103</u>	<u>0.0</u>	<u>40.3</u>	<u>30.28</u>	<u>-18</u>
	<u>1215</u>	<u>0.0</u>	<u>40.0</u>	<u>30.28</u>	<u>-10</u>
Sampling End	<u>1241</u>	<u>0.0</u>	<u>40.0</u>	<u>30.28</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-4-20-2060218

Sampler Name: JD/pm

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2106</u>	<u>0174</u>	<u>2/18/16</u>	<u>9:43</u>	<u>-30</u>	<u>2/18/16</u>	<u>1257</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>9:43</u>	<u>0.0</u>	<u>38.3</u>	<u>30.29</u> <u>-30</u>
	<u>1105</u>	<u>0.0</u>	<u>40.3</u>	<u>30.28</u> <u>-20</u>
	<u>1215</u>	<u>0.0</u>	<u>40.0</u>	<u>30.26</u> <u>-11.5</u>
Sampling End	<u>1257</u>	<u>0.0</u>	<u>40.0</u>	<u>30.25</u> <u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-4-30-20160218

Sampler Name: JB/pw

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION

START

END

Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2818</u>	<u>0515</u>	<u>2/18/16</u>	<u>9:43</u>	<u>-29</u>	<u>2/18/16</u>	<u>1140</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEKREL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:43</u>	<u>0.0</u>	<u>38.3</u>	<u>30.29</u>	<u>-29</u>
	<u>11:03</u>	<u>0.0</u>	<u>40.3</u>	<u>30.28</u>	<u>-12</u>
	<u>1140</u>	<u>0.0</u>	<u>40.0</u>	<u>30.28</u>	<u>-8</u>
Sampling End					

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: 0730E

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-1015-20460213

Sampler Name: JB/pm

LEAK CHECK (circle) YES NO

He Instrument: D. data.c - He from Multigas Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
07:40	0%	69.5%	YES / NO	0%	YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1288	0134	2/18/16	07:58	-30	2/18/16	1047	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEITHLEY 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	07:58		33.4	30.25	-30
	09:09		37.6	30.28	-21
Sampling End	1047	0.0	40.3	30.28	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: Outside

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-101-15-20160218

Sampler Name: JB/pm

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2695</u>	<u>0422</u>	<u>2/18/16</u>	<u>07:58</u>	<u>-30</u>	<u>2/18/16</u>	<u>1054</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>07:58</u>		<u>33.4</u>	<u>30.25</u> -30
	<u>09:08</u>		<u>37.6</u>	<u>30.28</u> -21
Sampling End	<u>1054</u>	<u>0.6</u>	<u>40.3</u>	<u>30.28</u> -8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-101-27-2060218

Sampler Name: JB/PM

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2329</u>	<u>0183</u>	<u>2/18/16</u>	<u>07:58</u>	<u>-30</u>	<u>2/18/16</u>	<u>1035</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>07:58</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u>	<u>-30</u>
	<u>09:00</u>	<u>0.0</u>	<u>37.6</u>	<u>30.28</u>	<u>-20</u>
Sampling End	<u>1035</u>	<u>0.0</u>	<u>40.7</u>	<u>30.28</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

DUPLICATE

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: Outside

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-101-27-20160218 DUP

Sampler Name: JB/pm

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1090</u>	<u>0186</u>	<u>2/12/16</u>	<u>07:58</u>	<u>28.5</u>	<u>2/18/16</u>	<u>10:15</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC
Sampling Start	<u>07:58</u>	<u>0.0</u>	<u>33.4</u>	<u>30.25</u>	<u>-30</u>
	<u>09:08</u>	<u>0.0</u>	<u>37.6</u>	<u>30.28</u>	<u>-18</u>
Sampling End	<u>10:15</u>	<u>0.0</u>	<u>46.3</u>	<u>30.28</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
 To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-106-S-20160218

Sampler Name: JB/PM

LEAK CHECK (circle)

YES NO

He Instrument: DIELECTRIC MULTIGAS Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1078</u>	<u>0426</u>	<u>2/18/16</u>	<u>09:02</u>	<u>-2.5</u>	<u>2/18/16</u>	<u>11:41</u>	<u>-7.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:02</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u>	<u>-2.5</u>
	<u>10:05</u>				<u>-1.9</u>
	<u>11:10</u>				<u>-1.1</u>
Sampling End	<u>11:41</u>	<u>0.0</u>	<u>40.1</u>	<u>30.28</u>	<u>-7.5</u>

OBSERVATIONS/NOTES

LEAK TEST PERFORMED AT VP-101-S.

40.3 30.28 @ 11:20

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-106-11-20160218

Sampler Name: JB/pm

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0825</u>	<u>0091</u>	<u>2/18/16</u>	<u>9:02</u>	<u>-30</u>	<u>2/18/16</u>	<u>11:55</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:02</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u>	<u>-30</u>
	<u>10:05</u>				<u>-23</u>
	<u>11:10</u>				<u>-14</u>
Sampling End	<u>11:55</u>	<u>0.0</u>	<u>40.1</u>	<u>30.28</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-106-19-5-20160218

Sampler Name: JPD/PM

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1046</u>	<u>0429</u>		<u>9:02</u>	<u>-30</u>	<u>2/18/16</u>	<u>11:57</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>9:02</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u>
	<u>10:05</u>			
	<u>11:10</u>			
Sampling End	<u>11:57</u>		<u>40.1</u>	<u>30.25</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/10/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-106-28-20160218

Sampler Name: JTB/pmr

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0949</u>	<u>0131</u>		<u>9:02</u>	<u>-29.5</u>	<u>2/10/16</u>	<u>11:49</u>	<u>-7.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>9:02</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u> -29.5
	<u>10:05</u>			-21
	<u>11:10</u>			-12
Sampling End	<u>11:49</u>		<u>40.1</u>	<u>30.28</u> -7.5

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-106-56-20160218

Sampler Name: JTS/PM

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2164</u>	<u>0195</u>	<u>2/18/16</u>	<u>9:02</u>	<u>-30</u>	<u>2/18/16</u>	<u>12:09</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:02</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u>	<u>-30</u>
	<u>10:05</u>				<u>-21</u>
	<u>11:10</u>				<u>-16</u>
Sampling End	<u>12:09</u>		<u>40.1</u>	<u>30.28</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-106-72-20160218

Sampler Name: JB/pm

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0856</u>	<u>0033</u>	<u>2/18/16</u>	<u>7:02</u>	<u>-30</u>	<u>2/18/16</u>	<u>11:43</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:02</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u>	<u>-30</u>
	<u>10:05</u>				<u>-21</u>
	<u>11:10</u>				<u>-12</u>
Sampling End	<u>11:43</u>	<u>0.0</u>	<u>40.1</u>	<u>30.28</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

DUPLICATE

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: Outside

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-106-72 20160218DUP

Sampler Name: JB/pm

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1047</u>	<u>0166</u>	<u>2/18/16</u>	<u>9:02</u>	<u>-29</u>	<u>2/18/16</u>	<u>11:42</u>	<u>-6.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4580

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:02</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u>	<u>-29</u>
	<u>10:05</u>				<u>-20</u>
	<u>11:10</u>				<u>-1#</u>
Sampling End	<u>11:42</u>	<u>0.0</u>	<u>40.1</u>	<u>30.28</u>	<u>-6.5</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: OUTSIDE

Date: 2/18/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (If applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-106-84-20160218

Sampler Name: JB/pm

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1089</u>	<u>0598</u>	<u>2/18/16</u>	<u>9:02</u>	<u>-30</u>	<u>2/18/16</u>	<u>11:46</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kerna 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	
Sampling Start	<u>9:02</u>	<u>0.0</u>	<u>33.7</u>	<u>30.25</u>	<u>-30</u>
	<u>10:05</u>				<u>-20.5</u>
	<u>11:10</u>				<u>-12</u>
Sampling End	<u>11:46</u>	<u>0.0</u>	<u>40.1</u>	<u>30.20</u>	<u>-8</u>

OBSERVATIONS/NOTES



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 2								
Company: <u>TEMA TECH</u>		Report To: <u>HEIDI WILDMAN</u>		Attention:		Program								
Address: <u>235 RT 22E, Suite 104E</u>		Copy To:		Company Name:		UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act								
Email To: <u>HEIDI.WILDMAN@TEMA-TECH.COM</u>		Purchase Order No.:		Address:		Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other								
Phone: <u>860-232-1302</u>		Project Name: <u>104E-0700-07-01-00</u>		Pace Quote Reference:		Reporting Units ug/m: <input checked="" type="checkbox"/> mg/m: <input type="checkbox"/> PPBV: <input type="checkbox"/> PPMV: <input type="checkbox"/> Other: <input type="checkbox"/>								
Requested Due Date/TAT: <u>2/28/16</u>		Project Number: <u>104E-0700-07-01-00</u>		Pace Project Manager/Sales Rep:		Location of Sampling by State: <u>NY</u>								
				Pace Profile #		Report Level: II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> Other: <input type="checkbox"/>								
Valid Media Codes		COLLECTED		Flow Control Number		Method:								
ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	MEDIA CODE	PID Reading (Client only)	COMPOSITE START END/DRAW	DATE	TIME	COMPOSITE - DATE	TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:	Pace Lab ID
1	VP-102-HS-20160228	61C		2/17/16	08:18	11:04	2/17/16	11:04	-29	-8	1658	0056	PM10	
2	VP-102-85-20160228	61C		2/17/16	08:40	10:49	2/17/16	10:49	-29	-8	0858	0035	TO-15 Short List	
3	VP-102-14-5-20160228	61C		2/17/16	08:18	11:11	2/17/16	11:11	-29	-8	2354	0053	TO-14	
4	VP-102-14-5-20160228	61C		2/17/16	08:18	11:11	2/17/16	11:11	-29	-8	1609	0059	TO-13 (PAH)	
5	VP-102-51-5-20160228	61C		2/17/16	08:18	11:11	2/17/16	11:11	-30	-5	1733	0045	TO-13 (PAH)	
6	VP-102-57-5-20160228	61C		2/17/16	08:18	11:11	2/17/16	11:11	-30	-5	2766	0052	TO-13 (PAH)	
7	VP-102-61-5-20160228	61C		2/17/16	08:18	11:11	2/17/16	11:11	-29.5	-8	0554	0057	TO-13 (PAH)	
8	VP-102-73-5-20160228	61C		2/17/16	08:18	11:11	2/17/16	11:11	-30	-7	2155	0049	TO-13 (PAH)	
9	VP-103-5-20160228	61C		2/17/16	07:47	10:52	2/17/16	10:52	-30	-7	2101	0060	TO-13 (PAH)	
10	VP-103-10-20160228	61C		2/17/16	07:47	10:52	2/17/16	10:52	-30	-8	1745	0058	TO-13 (PAH)	
11	VP-103-70-20160228	61C		2/17/16	07:47	10:52	2/17/16	10:52	-29.5	-7.5	0241	0034	TO-13 (PAH)	
12	VP-103-30-20160228	61C		2/17/16	07:47	10:52	2/17/16	10:52	-29	-8	0874	0059	TO-13 (PAH)	
Comments: <u>INQUIRY COL 145</u>														
RELINQUISHED BY / AFFILIATION: <u>4-76</u> DATE: <u>2/24/16</u> TIME: <u>1:30</u>														
ACCEPTED BY / AFFILIATION: <u>CPD</u> DATE: <u>2/24/16</u> TIME: <u>1:21</u>														
Temp in °C: <u> </u> Received on Ice: <u> </u> Custody Sealed Cooler: <u> </u> Samples Intact: <u> </u>														
SAMPLER NAME AND SIGNATURE: <u>Heidi Wildman</u> PRINT Name of SAMPLER: <u>Heidi Wildman</u> SIGNATURE of SAMPLER: <u>Heidi Wildman</u> DATE Signed (MM/DD/YY): <u>2/24/16</u>														

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Page: 2 of 2

23845

Section A Required Client Information:			Section B Required Project Information:			Section C Invoice Information:		
Company: Terra Tech	Report To: Kevin M. Dwyer	Invoice Attention:	Company Name:	Address:	Pace Quote Reference:	Company Name:	Address:	Pace Project Manager/Sales Rep.
Address: 255 7th St, Suite 104C Whitehouse Station, NJ 08865	Copy To:							
Email To: info@terra-tech.com	Purchase Order No.:							
Phone: 908.339.2500	Project Name: 14C - 675-47-104C							
Fax: 908.339.2500	Project Number: 117 052726-14							
Requested Due Date/TAT:								

ITEM #	Valid Media Codes		COLLECTED		Summa Can Number	Flow Control Number	Method:		Pace Lab ID
	MEDIA	CODE	DATE	TIME			COMPOSITE START	COMPOSITE	
1	VP-103-40-20160228	11C	2/17/16	07:32	06666	0327	TO-15 Short Life		
2	VP-103-50-20160228	11C	2/17/16	07:42	06666	0327	TO-14		
3	VP-103-61.5-20160228	11C	2/17/16	07:42	06666	0327	TO-13 (PAH)		
4	VP-103-74.5-20160228	11C	2/17/16	07:42	06666	0327	TO-4 (PCBs)		
5	L15-VP-7.5-20160228	11C	2/17/16	08:45	06666	0327	TO-3M (Methane)		
6	L15-VP-7.5-20160228	11C	2/17/16	08:45	06666	0327	TO-3 Fixed Gas (%)		
7	L15-VP-7.10-20160228	11C	2/17/16	08:45	06666	0327	PM10		
8	L15-VP-7.70-20160228	11C	2/17/16	08:45	06666	0327			
9	L15-VP-7.36-20160228	11C	2/17/16	08:45	06666	0327			
10	L15-VP-7.40-20160228	11C	2/17/16	08:45	06666	0327			
11	L15-VP-7.50-20160228	11C	2/17/16	08:45	06666	0327			

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
[Signature]		2/17/16	13:21	[Signature]	2/17/16	13:21	Temp in °C	Received on Ice	Custody	Sealed Cooler	Samples Intact
							Y/N	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	[Signature]
SIGNATURE of SAMPLER:	[Signature]

Comments:

* MODIFIED COC 1/15

4

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-102_4.5	1658	0056	2/28/16	0818	-29	55-8	29.89	1104	-8	61.1	29.85
VP-102_8.5	0858	0035	2/28/16	0818	-29	55-8	29.89	1049	-8	61.1	29.85
VP-102_19.5	2359	0053	2/28/16	0818	-29.0	55-8	29.89	1111	-8	61.1	29.85
VP-102_51.5	1733	0045	2/28/16	0818	-30	55-8	29.89	1126	-8	61.1	29.85
VP-102_57.5	2766	0523	2/28/16	0818	-30	55-8	29.89	1050	-8	61.1	29.85
VP-102_61.5	0559	0057	2/28/16	0818	-29.5	55-8	29.89	1110	-8	61.1	29.85
VP-102_73.5	2155	0409	2/28/16	0818	-30	55-8	29.89	0954	-7	55-3	29.86
VP-103_5	2101	0606	2/28/16	0742	-30	71.9	29.88	1052	-7	74.5	29.85
VP-103_10	1245	0358	2/28/16	0742	-30	71.9	29.88	1048	-8	74.5	29.85
VP-103_20	0241	0134	2/28/16	0742	-29.5	71.9	29.88	1035	-7.5	73.5	29.8
VP-103_30	0824	0359	2/28/16	0742	-29	71.9	29.88	1034	-8	73.5	29.8
VP-103_40	0666	0327	2/28/16	0742	-30	71.9	29.88	1026	-8	73.5	29.86
VP-103_50	2874	0225	2/28/16	0742	-29	71.9	29.88	1044	-7.5	74.5	29.85
VP-103_61.5	0521	0025	2/28/16	0742	-29	71.9	29.88	1041	-7.5	74.5	29.85
VP-103_74.5	1272	0540	2/28/16	0742	-30	71.9	29.88	1128	-8.5	74.5	29.85
VP-104_5	1635	0177	2/11/16	08:48	-28	56.0	29.79	11:03	-8	60.1	29.79
VP-104_10	1265	0185	2/11/16	08:48	-30	56.0	29.79	11:32	-8	60.1	29.79
VP-104_19	2298	0041	2/11/16	08:48	-30	56.0	29.79	11:28	-8	60.1	29.79

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-104_30	0992	0196	2/11/16	08:48	-29	56.0	29.79	11:51	-8	60.1	29.79
VP-104_40	2368	0093	2/11/16	08:48	-29	56.0	29.79	11:26	-8	60.1	29.79
VP-104_50	2330	0606	2/11/16	08:48	-30	56.0	29.79	11:40	-8	60.1	29.79
VP-104_62	2800	0354	2/11/16	08:48	-30	56.0	29.79	11:52	-8	60.1	29.79
VP-104_73	0980	0194	2/11/16	08:48	-29	56.0	29.79	11:30	-8	60.1	29.79
VP-107_5	1257	0359	2/16/16	18:34	-29	73.1	29.43	21:20	-8	78.3	29.54
VP-107_13	2799	0599	2/16/16	18:34	-30	73.1	29.43	21:35	-8	78.3	29.54
VP-107_20	2688	0356	2/16/16	18:34	-30	73.1	29.43	21:52	-8	78.3	29.54
VP-107_33.5	2691	0540	2/16/16	18:34	-30	73.1	29.43	22:20	-8	76.6	29.63
VP-107_44	2746	0049	2/16/16	18:34	-29	73.1	29.43	21:29	-8	78.3	29.54
VP-107_60	2060	0523	2/16/16	18:34	-30	73.1	29.43	22:55	-10	76.8	29.65
VP-107_74	1207	0056	2/16/16	18:34	-29	73.1	29.43	21:42	-8	78.3	29.54
LIJ-VP-7_5	1069	0093	2/28/16	08:45	-29.5	55.4	29.88	11:33	-8	58.6	29.95
LIJ-VP-7_10	1264	0356	2/28/16	08:45	-30	55.4	29.88	11:40	-8	58.6	29.95
LIJ-VP-7_20	2684	0049	2/28/16	08:45	-29.5	55.4	29.88	11:32	-8	58.6	29.95
LIJ-VP-7_30	1065	0355	2/28/16	08:45	-29.5	55.4	29.88	11:30	-8	58.6	29.95
LIJ-VP-7_40	1088	0041	2/28/16	08:45	-30	55.4	29.88	11:36	-8	58.6	29.95
LIJ-VP-7_50	1206	0039	2/28/16	08:45	-29.5	55.4	29.88	11:34	-8	58.6	29.95
FPM-20_5	1608	0184	2/11/16	09:50	-30	58.7	29.79	12:30	-8	60.1	29.78

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
FPM-20_9.4	2715	0225	2/11/16	09:50	-29	58.7	29.79	12:35	-8	60.1	29.78
VP-8_5	2344	0050	2/11/16	09:30	-30	53.3	29.79	12:44	-8.5	54.9	29.79
VP-8_10	2742	0607	2/11/16	09:30	-30	53.3	29.79	12:08	-8	54.9	29.79
VP-8_20	1054	0358	2/11/16	09:30	-30	53.3	29.79	12:22	-8	54.9	29.79
VP-8D_53.5	2049	0176	2/11/16	09:31	-28	53.3	29.79	12:05	-8	54.9	29.79
VP-8D_62.5	0118	0167	2/11/16	09:31	-30	53.3	29.79	12:05	-8	54.9	29.79
VP-8D_72.5	2655	0162	2/11/16	09:31	-30	53.3	29.79	12:28	-8	54.9	29.79
VP-NYSDEC-5_5	2048	0091	2/9/16	18:24	-30	67.6	29.49	21:12	-8	69.2	29.51
VP-NYSDEC-5_10	1233	0035	2/9/16	18:24	-30	67.6	29.49	21:27	-8	69.2	29.51
VP-NYSDEC-5_20	2385	0025	2/9/16	18:24	-29	67.6	29.49	21:07	-7	69.2	29.51
VP-NYSDEC-5_30	1279	0134	2/9/16	18:24	-30	67.6	29.49	21:12	-7	69.2	29.51
VP-NYSDEC-5_40	2097	0438	2/9/16	18:24	-28	67.6	29.49	20:28	-7	69.2	29.51
VP-NYSDEC-5_50	2138	0131	2/9/16	18:24	-29	67.6	29.49	21:07	-7	69.2	29.51
VP-9_10	2748	0412	2/9/16	19:05	-29	67.6	29.49	21:15	-7	69.2	29.51
VP-9_20	2756	0045	2/9/16	19:05	-29.5	67.6	29.49	22:00	-8.5	69.0	29.51
VP-9_30	0595	0178	2/9/16	19:05	-27	67.6	29.49	23:13	-12.5	69.0	29.51
VP-9_40	0066	0075	2/9/16	19:05	-27	67.6	29.49	22:00	-8.5	69.0	29.51
VP-9_50	0515	0422	2/9/16	19:05	-28.5	67.6	29.49	21:44	-7	69.2	29.51
VP-9_60	1524	0187	2/9/16	19:05	-30	67.6	29.49	22:15	-8.5	69.0	29.51



Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-105_5	0629	0179	2/9/16	1845	-28.5	67.6	29.49	21:39	-8	69.2	29.51
VP-105_10	1188	0048	2/9/16	1845	-30	67.6	29.49	21:39	-7.5	69.2	29.51
VP-105_20	2040	0057	2/9/16	1845	-29	67.6	29.49	21:43	-8.5	69.2	29.51
VP-105_32	2692	0039	2/9/16	1845	-29	67.6	29.49	Water in sample time – unable to sample			
VP-105_50	0954	0054	2/9/16	1845	-29	67.6	29.49	21:39	-8	69.2	29.51
VP-105_60	21115	0355	2/9/16	1845	-28	67.6	29.49	21:39	-8	69.2	29.51
VP-105_72	2184	0040	2/9/16	1845	-30	67.6	29.49	23:08	-14	69.2	29.51
VP-1_5	2743	0174	2/6/16	08:03	-30	37.6	30.32	11:37	-8	42.3	30.26
VP-1_10	0956	0186	2/6/16	08:03	-29.5	37.6	30.32	11:12	-8	42.3	30.26
VP-1_20	0682	0183	2/6/16	08:03	-30	37.6	30.32	10:58	-8	42.3	30.26
VP-1_30	0801	0195	2/6/16	08:03	-30	37.6	30.32	10:52	-8	42.3	30.26
VP-2_5	0537	0393	2/6/16	08:20	-29	37.6	30.32	11:05	-7.5	42.3	30.26
VP-2_10	0452	0523	2/6/16	08:20	-30	37.6	30.32	11:03	-8	42.3	30.26
VP-2_20	0576	0426	2/6/16	08:20	-28	37.6	30.32	11:03	-8	42.3	30.26
VP-2_30	0570	0327	2/6/16	08:20	-30	37.6	30.32	11:01	-8	42.3	30.26
VP-3_5	2702	0158	2/2/16	07:58	-29.5	56.1	30.21	10:34	-7.0	56.0	30.21
VP-3_10	1051	0239	2/2/16	07:58	-29	56.1	30.21	09:37	-7.0	61.5	30.21
VP-3_20	0808	0176	2/2/16	07:58	-29	56.2	30.21	10:36	-7.5	56.0	30.21
VP-3_30	2372	0171	2/2/16	07:58	-30	56.0	30.21	10:40	-7	56.2	30.21

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-3D_40	2336	0192	2/2/16	07:58	-29.5	56.0	30.21	10:37	-7	56.0	30.21
VP-3D_51	2307	0193	2/2/16	07:58	-29	56.2	30.21	10:25	-7	56.0	30.23
VP-3D_61	0622	0177	2/2/16	08:47	-29	56.1	30.21	11:12	-8	56.1	30.21
VP-3D_73	0859	0162	2/2/16	09:16	-29	56.1	30.21	12:06	-8	66.1	30.21
VP-4_5	1496	0327	2/18/16	09:43	-30	38.3	30.29	12:25	-8	40.0	30.28
VP-4_10	2353	0053	2/18/16	09:43	-29.5	38.3	30.29	12:41	-8	40.0	30.28
VP-4_20	2106	0174	2/18/16	09:43	-30	38.3	30.29	12:57	-8	40.0	30.28
VP-4_30	2818	0515	2/18/16	09:43	-29	38.3	30.29	11:40	-8	40.0	30.28
VP-5_5	0593	0597	02/06/16	09:01	WATER IN SAMPLE LINE - UNABLE TO COLLECT SAMPLE						
VP-5_10	2674	0515	02/06/16	09:02	-29.5	37.9	30.30	10:50	-7	40.6	30.27
VP-5_20	2671	0056	02/06/16	08:42	-29.5	37.9	30.30	11:25	-8	42.5	30.26
VP-5_30	0103	0598	02/06/16	07:43	-30	37.6	30.32	10:23	-8	38.2	30.29
VP-6_5	1043	0540	02/06/16	08:52	-30	37.9	30.30	12:27	-8.5	42.4	30.26
VP-6_10	1689	0428	02/06/16	08:52	-30	37.9	30.30	11:45	-7.5	42.3	30.26
VP-6_20	0393	0429	02/06/16	08:52	-29.5	37.9	30.30	11:51	-8	42.3	30.26
VP-6_30	0957	0049	02/06/16	08:52	-29.5	37.9	30.30	11:48	-7	42.3	30.26
VP-101_5	1288	0134	2/18/16	07:58	-30	33.4	30.25	10:47	-8	40.3	30.28
VP-101_15	2695	0428	2/18/16	07:58	-30	33.4	30.25	10:54	-8	40.3	30.28
VP-101_27	2329	0183	2/18/16	07:58	-30	33.4	30.25	10:35	-8	40.3	30.28

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-106_5	1078	0426	2/18/16	09:02	-28	33.7	30.25	11:41	-7.5	40.1	30.28
VP-106_11	0825	0091	2/18/16	09:02	-30	33.7	30.25	11:55	-8	40.1	30.28
VP-106_19.5	1046	0429	2/18/16	09:02	-30	33.7	30.25	11:57	-8	40.1	30.28
VP-106_28	0949	0131	2/18/16	09:02	-29.5	33.7	30.25	11:49	-7.5	40.1	30.28
VP-106_56	2164	0195	2/18/16	09:02	-30	33.7	30.25	12:09	-8	40.1	30.28
VP-106_72	0856	0033	2/18/16	09:02	-30	33.7	30.25	11:43	-8	40.1	30.28
VP-106_84	1089	0598	2/18/16	09:02	-30	33.7	30.25	11:46	-8	40.1	30.28
VP-108_5	0053	0199	2/2/16	08:41	-29.5	45.6	30.21	11:10	-8	58.7	30.22
VP-108_10	0804	0166	2/2/16	08:41	-29	45.6	30.21	11:10	-8	58.7	30.22
VP-108_20	2104	0167	2/2/16	08:42	-30	45.6	30.21	11:22	-8	58.7	30.22
VP-108_29.5	2318	0170	2/2/16	08:42	-28	45.6	30.21	11:10	-8.5	58.7	30.22
VP-108D_50.5	1249	0194	2/2/16	08:40	-30	45.6	30.21	11:14	-8	58.7	30.22
VP-108D_60	0818	0245	2/2/16	08:40	-29.5	45.6	30.21	11:23	-8	58.7	30.22
VP-108D_70	2333	0185	2/2/16	08:40	-30	45.6	30.21	11:45	-8	58.7	30.22

Duplicate Samples

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
VP-108D_50.5_20160202DUP	2825	0184	2/2/16	08:40	-30	45.6	30.21	11:14	-8	58.7	30.22
VP-3_5_20160202DUP	2745	0196	2/2/16	07:58	-30	56.2	30.21	11:19	-8	56.0	30.21
VP-5_20_20160206DUP	0084	0033	2/6/16	08:42	-30	37.9	30.30	11:25	-8	42.5	30.26
VP-6_30_20160206DUP	0149	0409	2/6/16	08:52	-30	37.9	30.30	10:05	-6	37.8	30.29
VP-9_10_20160209DUP	1212	0199	2/9/16	19:05	-28	67.6	29.49	21:51	-8	69.0	29.51
VP-8D_62.5_20160211DUP	1727	0192	2/11/16	09:31	-29	53.3	29.79	12:00	-8	54.9	29.79
VP-4_5_20160218DUP	0090	0393	2/18/16	09:43	-29	38.3	30.29	12:22	-8	40.0	30.28
VP-101_27_20160218DUP	1090	0186	2/18/16	07:58	-28.5	33.4	30.25	10:15	-8	40.3	30.28
VP-106_72_20160218DUP	1047	0166	2/18/16	09:02	-29	33.7	30.25	11:42	-6.5	40.1	30.28
LIJ-VP-7_5_20160228DUP	0847	0091	2/28/16	0845	-30	55.4	29.82	1141	-8	58.6	29.85
VP-102_19.5_20160228DUP	1609	0599	2/28/16	0818	-29	55.8	29.89	1111	-11	61.1	29.85

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) (iPark) LA Fitness LA Fitness Ambient

Location: mock-up room

Date: 2/28/16

Sample Type (Circle) (SS-Nested) Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) (6-Liter) 1-Liter

Sample ID: LIS-VP-7-5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1069	0093	2/28/16	0845	-29.5	2/28/16	1133	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac ("Hg)
Sampling Start	0845	0.0	55.4	29.88	-29.5
	0935	0.0	56.1	29.88	-22
	1100				-12
Sampling End	1133	0.0	58.6	29.85	

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: mock-up room

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: LIS-VP-7-5-20160228DUP

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0847</u>	<u>0091</u>	<u>2/28/16</u>	<u>0845</u>	<u>-30</u>	<u>2/28/16</u>	<u>1141</u>	<u>-6</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEITHLEY 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	<u>Vac ("Hg)</u>
Sampling Start	<u>0845</u>	<u>0.0</u>	<u>55.4</u>	<u>29.88</u>	<u>-30</u>
	<u>0935</u>	<u>0.0</u>	<u>50.1</u>	<u>29.85</u>	<u>-24</u>
	<u>1100</u>				<u>-13</u>
Sampling End	<u>1141</u>	<u>0.0</u>	<u>58.4</u>	<u>29.85</u>	<u>-6</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) (Park) LA Fitness LA Fitness Ambient

Location: mock-up room

Date: 2/28/16

Sample Type (Circle) (SS-Nested) Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) (6-Liter) 1-Liter

Sample ID: LIT-VP-7-10-20160228

Sampler Name: TB/DB

LEAK CHECK (circle) YES NO

He Instrument: DIELECTRIC MGD Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
0830	090	63.5	YES / NO	< 1%	YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1264	0356	2/28/16	0845	-30	2/28/16	1140	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500, MINUTAR 2010

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	0845	0.0	55.4	29.88	-30
	0935	0.0	56.1	29.88	-24.5
	1100				-12
Sampling End	1140	0.0	58.6	29.85	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: mock-up Room

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: L I J - V P - 7 - 20 - 20160228

Sampler Name: J B / D B

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2684	0049	2/28/16	0845	-29	2/28/16	1132	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 450V, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac ("Hg)
Sampling Start	0845	0.0	55.4	29.88	-29
	0935	0.0	56.1	29.88	-21.5
	1100				-11.5
Sampling End	1132	0.0	58.6	29.85	-8

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: mock-up room

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: LIS-VP-7-30-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1065</u>	<u>0355</u>	<u>2/28/16</u>	<u>0845</u>	<u>-29.5</u>	<u>2/28/16</u>	<u>1130</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KESTREL 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	<u>0845</u>	<u>0.0</u>	<u>55.4</u>	<u>29.88</u>	<u>-29.5</u>
	<u>0935</u>	<u>0.0</u>	<u>56.1</u>	<u>29.88</u>	<u>-22</u>
	<u>1100</u>				<u>-12</u>
Sampling End	<u>1130</u>	<u>0.0</u>	<u>58.4</u>	<u>29.85</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: mock-up room

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: LITJ-UP-7-40-20160228

Sampler Name: TB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1088</u>	<u>0041</u>	<u>2/28/16</u>	<u>0845</u>	<u>-30</u>	<u>2/28/16</u>	<u>1136</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500, MINIRAC 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	<u>vac ("Hg)</u>
Sampling Start	<u>0845</u>	<u>0.0</u>	<u>55.4</u>	<u>29.88</u>	<u>-30</u>
	<u>0935</u>	<u>0.0</u>	<u>56.1</u>	<u>29.88</u>	<u>-24</u>
	<u>1100</u>				<u>-13</u>
Sampling End	<u>1136</u>	<u>0.0</u>	<u>58.6</u>	<u>29.85</u>	

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle)	<u>iPark</u>	LA Fitness	LA Fitness	Ambient
Location:	<u>mock-up room</u>			
Date:	<u>2/28/16</u>			
Sample Type (Circle)	<u>SS-Nested</u>	Sub-Slab	Indoor	Ambient
Depth (if applicable)	(feet)			
Canister Volume (circle)	<u>6 - Liter</u>	1 - Liter		
Sample ID:	<u>LIT-UP-7_50-20160228</u>			
Sampler Name:	<u>JB/DB</u>			

LEAK CHECK (circle)	YES	NO
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He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1206</u>	<u>0039</u>	<u>2/28/16</u>	<u>0845</u>	<u>-29.5</u>	<u>2/28/16</u>	<u>1134</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEITHLEY 4500, MINIMAX 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac ("Hg)
Sampling Start	<u>0845</u>	<u>0.0</u>	<u>55.4</u>	<u>29.88</u>	<u>-29.5</u>
	<u>0935</u>	<u>0.0</u>	<u>56.1</u>	<u>29.89</u>	<u>-22</u>
	<u>1100</u>				<u>-11</u>
Sampling End	<u>1134</u>	<u>0.0</u>	<u>58.6</u>	<u>29.85</u>	<u>-8</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
 To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: NSLIJ

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-102-4.5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION

START

END

Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1658</u>	<u>0056</u>	<u>2/28/16</u>	<u>0818</u>	<u>-29</u>	<u>2/28/16</u>	<u>1104</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEITHLEY 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	VAC (" Hg)
Sampling Start	<u>0818</u>	<u>0.0</u>	<u>55.8</u>	<u>29.89</u>	<u>-29</u>
	<u>0900</u>	<u>0.0</u>	<u>55.4</u>	<u>29.88</u>	<u>-23</u>
	<u>1104</u>	<u>0.0</u>	<u>61.1</u>	<u>29.85</u>	<u>-8</u>
Sampling End	<u>1104</u>	<u>0.0</u>	<u>61.1</u>	<u>29.85</u>	

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: N SLFJ

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-102-8.5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: DETECTR MAGD Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
<u>0805</u>	<u>0%</u>	<u>67.1</u>	YES / NO	<u>< 1%</u>	YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0858</u>	<u>0035</u>	<u>2/28/16</u>	<u>0818</u>	<u>-29</u>	<u>2/28/16</u>	<u>1049</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	<u>0818</u>	<u>0.0</u>	<u>55.8</u>	<u>29.89</u>	<u>-29</u>
	<u>0900</u>	<u>0.0</u>	<u>55.4</u>	<u>29.88</u>	<u>-21</u>
	<u>1049</u>	<u>0.0</u>	<u>61.1</u>	<u>29.85</u>	<u>-8</u>
Sampling End					

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: NSC/FJ

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-102-19.5-20/60228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2359</u>	<u>0053</u>	<u>2/28/16</u>	<u>0818</u>	<u>-29</u>	<u>2/28/16</u>	<u>1111</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KETREL 4520, MINIMAX 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	<u>0818</u>	<u>0.0</u>	<u>55.8</u>	<u>29.89</u>	<u>-29</u>
	<u>0900</u>	<u>0.0</u>	<u>55.4</u>	<u>29.88</u>	<u>-24</u>
	<u>1111</u>	<u>0.0</u>	<u>61.1</u>	<u>29.85</u>	<u>-8</u>
Sampling End					

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) (iPark) LA Fitness LA Fitness Ambient

Location: NSLIJ

Date: 2/28/16

Sample Type (Circle) (SS-Nested) Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) (5-Liter) 1 - Liter

Sample ID: VP-102-19.5-20160228DUP

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____

Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1609	0599	2/28/16	0818	-29	2/28/16	1111	-#8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): 1 KENTREL 4524, MINIMAX 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	0818	0.0	55.8	29.84	-29
	0900	0.0	55.4	29.88	-24.5
	1111	0.0	61.1	29.85	-#8
Sampling End					

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle)	<u>(iPark)</u>	LA Fitness	LA Fitness	Ambient
Location:	<u>N S C I J</u>			
Date:	<u>2/28/16</u>			
Sample Type (Circle)	<u>(SS-Nested)</u>	Sub-Slab	Indoor	Ambient
Depth (if applicable)	(feet)			
Canister Volume (circle)	<u>(6 - Liter)</u>	1 - Liter		
Sample ID:	<u>VP-102-51.5-20160228</u>			
Sampler Name:	<u>JB/DB</u>			

LEAK CHECK (circle)	YES	NO
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He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1733</u>	<u>0045</u>	<u>2/28/16</u>	<u>0818</u>	<u>-30</u>	<u>2/28/16</u>	<u>1126</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KATHAR 4502, MINUTAR 2002

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	<u>0818</u>	<u>0.0</u>	<u>55.8</u>	<u>29.89</u>	<u>-30</u>
	<u>0900</u>	<u>0.0</u>	<u>55.4</u>	<u>29.88</u>	<u>-25</u>
	<u>1126</u>	<u>0.0</u>	<u>61.1</u>	<u>29.85</u>	<u>-8</u>
Sampling End					

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) 1Park LA Fitness LA Fitness Ambient

Location: NSLIJ

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-102-57.5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2766	0523	2/28/16	0818	-30	2/28/16	0950	-6

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	0818	0.0	55.8	29.89	-30
	0900	0.0	55.4	29.88	-21
	0950	0.00	55.3	29.86	-6
Sampling End					

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: NSLIT

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-102-61.5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____

Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0599	0057	2/28/16	0818	-29.5	2/28/16	1110	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): 1 KPM 4500, MINIMAX 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	0818	0.0	55.8	29.89	-29.5
	0900	0.0	55.4	29.88	-24.5
	1110	0.0	61.1	29.85	-8
Sampling End					

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: NSLITJ

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-102-73.5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2155	0409	2/28/16	0818	-30	2/28/16	0954	-7

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kentech 4500, MIN. 2.0E 2/28/16

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)	Vac (" Hg)
Sampling Start	0818	0.0	55.8	29.89	-30
	0900	0.0	55.4	29.88	-21.5
	0954	0.0	55.3	29.86	-7
Sampling End					

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: CANCER CENTER

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-103-5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2101	0606	2/28/16	0742	-30	2/28/16	1052	-7.0

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500, MINIDAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0742</u>	<u>0.0</u>	<u>71.9</u>	<u>29.88</u>
	<u>1000</u>	<u>0.0</u>	<u>68.4</u>	<u>29.87</u>
Sampling End	<u>1052</u>	<u>0.0</u>	<u>74.5</u>	<u>29.85</u>

vac ("Hg)
-30

OBSERVATIONS/NOTES

-26.5 @ 0824

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) (iPark) LA Fitness LA Fitness Ambient

Location: CANCER CENTER

Date: 2/28/16

Sample Type (Circle) (SS-Nested) Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) (6-Liter) 1-Liter

Sample ID: UP-103-10-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
1245	0358	2/28/16	0742	-30	2/28/16	1048	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	0742	0.0	71.9	29.88
	1000	0.0	68.4	29.87
Sampling End	1048	0.0	74.5	29.85

OBSERVATIONS/NOTES

-27 @ 0824

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: CANCER CENTER

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-103-20-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0241	0134	2/28/16	0742	-29.5	2/28/16	1035	-7.5

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KETREL 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	0742	0.0	71.9	29.88
	1000	0.0	68.4	29.87
Sampling End	1035	0.0	73.5	29.8

OBSERVATIONS/NOTES

-250 0824

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: CANCER center

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: UP-103-30-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0824</u>	<u>0359</u>	<u>2/28/16</u>	<u>0742</u>	<u>-29</u>	<u>2/28/16</u>	<u>1034</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): RES-100 4500, VM-100AE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0742</u>	<u>0.0</u>	<u>11.9</u>	<u>29.88</u>
	<u>1000</u>	<u>68.4</u>	<u>68.4</u>	<u>29.87</u>
Sampling End	<u>1034</u>	<u>0.0</u>	<u>73.5</u>	<u>29.8</u>

OBSERVATIONS/NOTES

-23.5 @ 0825

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: CANCER CENTER

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: UP-103-40-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0666	0327	2/28/16	0742	-30	2/28/16	1026	-8

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEITHLEY 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	0742	0.0	71.9	29.88
	1000	0.0	68.4	29.87
Sampling End	1026	0.0	73.5	29.86

OBSERVATIONS/NOTES

- 2500825

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: Cancer center

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: UP-103-50-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION

START

END

Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
2874	0225	02/28/16	0742	-29	2/28/16	1044	-7.5

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KETTEL 9500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	0742	0.0	71.9	29.88
	1000	0.0	68.4	29.87
Sampling End	1045	0.0	74.5	29.85

OBSERVATIONS/NOTES

-2400825

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: CANCER CENTER

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: VP-103-61.5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____

Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
0521	0025	2/28/16	0742	-29	2/28/16	1041	-7.5

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	0742	0.0	71.9	29.88
	1000	0.0	68.4	29.07
Sampling End	1041	0.0	74.5	29.85

OBSERVATIONS/NOTES

-2600825

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: Cancer center

Date: 2/28/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6-Liter 1-Liter

Sample ID: VP-103-74.5-20160228

Sampler Name: JB/DB

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1272</u>	<u>0540</u>	<u>2/28/16</u>	<u>0742</u>	<u>-30</u>	<u>2/28/16</u>	<u>1128</u>	<u>-8.5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): KEMEL 4500, MINIRAE 2000

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0742</u>	<u>0.0</u>	<u>71.9</u>	<u>29.88</u>
	<u>1000</u>	<u>0.0</u>	<u>68.4</u>	<u>29.87</u>
Sampling End	<u>1128</u>	<u>0.0</u>	<u>74.5</u>	<u>29.85</u>

OBSERVATIONS/NOTES

-26 @ 0825

**APPENDIX F—LA FITNESS PAIRED INDOOR AIR AND SUB-SLAB
SAMPLING ANALYTICAL REPORT AND DATA VALIDATION FORMS**

DATA USABILITY SUMMARY REPORT
MARCH 2016 AMBIENT AIR, INDOOR AIR, AND SUB SLAB SAMPLES
PROJECT: LMC GREAT NECK
NEW YORK
DATE SAMPLES COLLECTED: MARCH 8, 2016

LAB REPORT No. 10341033

1.0 INTRODUCTION

One ambient air, fourteen indoor air, and fourteen sub slab air samples were collected by Tetra Tech, Inc., at the Lockheed Martin Great Neck site on March 8, 2016. The samples were sent to Pace Analytical Services, Inc. in Minneapolis, Minnesota. All analyses were conducted in accordance with USEPA TO-15 analytical and reporting protocols.

The data package deliverables provided by the laboratory included a Category B deliverable as outlined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols.

Data validation was performed on the aforementioned samples in accordance with EPA Region II data validation guidelines and USEPA Method TO-15. Data validation was conducted using USEPA Region II Standard Operating Procedure (SOP) HW-31, June 2014, Revision 6.

The Data Usability Summary Report (DUSR) was prepared after the process of data validation was completed and summarizes the overall data quality and usability in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation (NYSDEC 2010).

The DUSR review is based on the following parameters:

- * ● Data completeness
- * ● Hold times/Sample Preservation
- * ● GC/MS System Tuning and Performance
- Initial/continuing calibrations
- Laboratory Method Blank Results
- Internal Standard Results
- Laboratory Control Sample Results
- * ● Laboratory Duplicate Sample Results
- Field Duplicate Precision
- * ● Compound Identification/Quantitation
- * ● Detection Limits

The symbol (*) indicates that all quality control criteria were met for this parameter.

This report was prepared to provide a critical review of the laboratory analysis and reported chemical results. Overall, the data quality is acceptable. The results of the DUSR are presented in Section 3.0. Summary tables are provided. Appendices A, B, and C are provided so that the data user can review the qualified analytical results, results reported by the laboratory and the supporting documentation associated with data findings and data quality.

2.0 SAMPLES INCLUDED IN REVIEW

Lab Report No. 10341033

Sample ID	Lab ID	Date Collected	Test Requested
AA_20160308	10341033029	3/8/2016	VOCs
IA-13_20160308	10341033024	3/8/2016	VOCs
IA-C1_20160308	10341033013	3/8/2016	VOCs
IA-C20_20160308	10341033014	3/8/2016	VOCs
IA-C20_20160308DUP	10341033028	3/8/2016	VOCs
IA-D7_20160308	10341033015	3/8/2016	VOCs
IA-E10_20160308	10341033016	3/8/2016	VOCs
IA-E16_20160308	10341033017	3/8/2016	VOCs
IA-G5_20160308	10341033018	3/8/2016	VOCs
IA-H21_20160308	10341033019	3/8/2016	VOCs
IA-Prop1_20160308	10341033020	3/8/2016	VOCs
IA-Prop1_20160308DUP	10341033027	3/8/2016	VOCs
IA-Prop2_20160308	10341033021	3/8/2016	VOCs
IA-Prop3_20160308	10341033022	3/8/2016	VOCs
IA-Prop4_20160308	10341033023	3/8/2016	VOCs
SS-12_20160308	10341033012	3/8/2016	VOCs
SS-C1*_20160308	10341033001	3/8/2016	VOCs
SS-C1_20160308DUP	10341033025	3/8/2016	VOCs
SS-C20*_20160308	10341033002	3/8/2016	VOCs
SS-D7*_20160308	10341033003	3/8/2016	VOCs
SS-E10*_20160308	10341033004	3/8/2016	VOCs
SS-E10_20160308DUP	10341033026	3/8/2016	VOCs
SS-E16*_20160308	10341033005	3/8/2016	VOCs
SS-G5*_20160308	10341033006	3/8/2016	VOCs
SS-H21*_20160308	10341033007	3/8/2016	VOCs
SS-Prop1_20160308	10341033008	3/8/2016	VOCs
SS-Prop2_20160308	10341033009	3/8/2016	VOCs
SS-Prop3_20160308	10341033010	3/8/2016	VOCs
SS-Prop4_20160308	10341033011	3/8/2016	VOCs

Legend:

VOCs = Volatile Organic Compounds in accordance with EPA TO-15 Method

3.0 RESULTS

3.1 DATA COMPLETENESS

Incorrect Reporting Limits (RLs) were reported for 1,2,4-trichlorobenzene for two samples (AA_20160308 and IA-C20_20160308DUP). The laboratory was contacted and confirmed the error. The results were manually corrected on the sample analytical results forms and in the

database. With regard to the remaining data package deliverables, the format requirements were met, and no further action was required from the laboratory.

Sample raw data for 1,4-dioxane, isopropanol (2-propanol), and 1,2,4-trichlorobenzene were missing for samples IA-H21_20160308, SS-12_20160308, SS-C1*_20160308, SS-C20*_20160308, SS-D7*_20160308, SS-G5*_20160308, SS-H21*_20160308, SS-Prop2_20160308, and SS-Prop3_20160308. The results for these compounds were included on the sample Form Is. In addition, the associated BFB tune and calibration were not in the data package. The laboratory was contacted and asked to provide this information in a revised data package. The laboratory was contacted and provided this information in timely manner.

The electronic deliverable did not have correct analysis dates for certain compounds for almost all of the samples. The data reviewer used the sample Form Is as a reference for the correct dates/times for these compounds.

3.2 ORGANIC QUALIFIERS

Hold Times/Sample Preservation: Technical hold times and preservation were assessed by comparing the sample dates and preservation code on the sample Chain of Custody (COC) with that of the analysis dates.

- All project samples were properly preserved and analyzed within the required hold time for VOC analyses.

GC/MS Performance Check (Tuning) Summary: Gas chromatograph/mass spectrometer (GC/MS) instrument tuning and performance checks are performed to ensure the instrument's ability to provide appropriate mass-resolution, identification and sensitivity.

- The BFB tuning compound mass-ion abundance criteria for the VOC analyses were reported within control limits.

Initial and Continuing Calibration Results: Control limits for initial and continuing instrument calibrations are established to ensure that the instrument is capable of producing accurate quantitative data. The following issues were noted:

- The laboratory mis-identified pentafluoroethyl chloride in eleven samples and reported detected results. The mis-identification was caused when the laboratory used the incorrect quantitation ion of m/z 65 which was actually representative of 1,1-difluoroethane to quantify results. The quantitation ion which should have been used for the compound pentafluoroethyl chloride was m/z 85. The data reviewed noticed the incorrect quantitation ion, then the incorrect mass spectrum, and contacted the laboratory. All detected results for pentafluoroethyl chloride were changed to nondetected. Additionally, pentafluoroethyl chloride was calibrated based on a single point calibration. The daily calibrations for this compound were also compromised because the reviewer discovered that the incorrect quantitation ion was selected for one analytical sequence and the incorrect retention time was selected for the second analytical sequence of calibration. The results for pentafluoroethyl chloride were rejected (UR) in all samples.

- The continuing calibration performed on 3/19/2016 @ 09:33 on instrument 10AIR7 had a Percent Difference (%D) which exceeded the 30% quality control limit for 1,2-dibromo-3-chloropropane. Samples AA_20160308, IA-13_20160308, IA-C20_20160308DUP, IA-Prop1_20160308, IA-Prop1_20160308DUP, IA-Prop2_20160308, IA-Prop3_20160308, IA-Prop4_20160308, SS-C1_20160308DUP, and SS-E10_20160308DUP were affected. Only non-detected results were reported for this compound in the affected samples and these non-detects were qualified as estimated, "UJ".
- The continuing calibration performed on 3/22/2016 @ 08:56 on instrument 10AIR7 had %Ds which exceeded the 30% quality control limit for 1,1-dichloro-2,2,2-trifluoroethane and 1,2-dibromo-3-chloropropane. Samples IA-D7_20160308 and IA-E10_20160308 were affected. The non-detected results were reported for these compounds in the affected samples were qualified as estimated, "UJ".
- The continuing calibration performed on 3/23/2016 @ 07:50 on instrument 10AIR7 had %Ds which exceeded the 30% quality control limit for bromoform, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,2,4-trimethylbenzene. Samples IA-D7_20160308 and IA-E10_20160308 were affected. The non-detected results were reported for these compounds in the affected samples were qualified as estimated, "UJ".
- The continuing calibration performed on 3/23/2016 @ 09:45 on instrument 10AIRD only reported results for 1,2,4-trichlorobenzene and/or methylene chloride.
- The continuing calibration performed on 3/24/2016 @ 10:13 on instrument 10AIRD only reported results for 1,4-dioxane, 1,2,4-trichlorobenzene, and isopropanol (2-propanol).
- The continuing calibration performed on 3/24/2016 @ 09:02 on instrument 10AIR7 only reported results for 1,4-dioxane, 1,2,4-trichlorobenzene, and isopropanol.
- All initial and continuing calibration Relative Response Factors (RRFs) and Percent Relative Standard Deviations (%RSDs) were within acceptable quality control limits for the parameters reviewed.

Laboratory Method Contamination:

- No target compound contaminants were detected in the laboratory method blank associated with the reviewed parameters in this data set. However, as stated by the laboratory, detected results reported for the common laboratory contaminant, methylene chloride, should be considered with high bias because solvent vapor from organic extraction laboratory is in the same building. The presence of methylene chloride in sample IA-C20_20160308DUP is considered to be a lab contaminant because the original sample IA-C20_20160308 did not contain a detection for methylene chloride. The detected methylene chloride results reported for the samples in this DUSR were qualified as biased high, estimated, (J+).

Internal Standards Area Performance:

- The internal standard area counts for 1,4-difluorobenzene were below the 60% quality control limit for samples IA-D7_20160308 and IA-E10_20160308. The detected and non-detected results reported for the associated target compounds 1,1-dichloro-2,2,2-trifluoroethane (Freon 123), 1,1-difluoroethane, and methyl acetate, were qualified as estimated, (J) and (UJ), respectively, in these samples.
- The remaining internal standard area counts and retention times fell within control limits for the project samples received and reviewed.

Laboratory Control Spike (LCS) Results:

- The Percent Recovery (%R) for hexachlorobutadiene (hexachloro-1,3-butadiene) was above the upper quality control limit in the LCS associated with preparation batch 405529. No action was taken in the associated samples because this compound was not detected. A low recovery was reported for pentafluoroethyl chloride in the aforementioned batch LCS. Nondetected results were qualified as rejected (UR).
- The compounds pentafluoroethyl chloride, 1,2-dibromo-3-chloropropane, and 1,1-dichloro-2,2,2-trifluoroethane were flagged by the laboratory for noncompliant LCS %Rs, however, the %R, amount spiked, and quality control limits were not provided. Laboratory qualifiers on the recovery forms were designated as follows: L2 qualifier = low %R and L3 qualifier = high %R. The laboratory was contacted and provided the information. No action was taken on nondetected results which were associated with high LCS recoveries. Samples affected by the low recoveries (0%) for pentafluoroethyl chloride were qualified as rejected (UR).
- Low recoveries for 1,1-dichloro-2,2,2-trifluoroethane (Freon 123) and pentafluoroethyl chloride was reported in preparation batch 406101. The non-detected results reported for 1,1-dichloro-2,2,2-trifluoroethane in the affected samples, IA-D7_20160308 and IA-E10_20160308, were qualified as estimated, (UJ).
- The remaining LCS results were within the quality control limits.

Laboratory Duplicate Results:

- A laboratory duplicate analysis was performed on sample IA-Prop1_20160308. All Relative Percent Differences (RPDs) for detected results were below the 25% quality control criterion.

Field Duplicate Precision: Field duplicates are collected to provide information on sampling precision.

- IA-C20_20160308 was collected as a field duplicate sample of IA-C20_20160308DUP. The RPDs for 1,1-difluoroethane, acetone, chloroform, isopropanol, and toluene exceeded the 50% quality control criterion. In addition, the differences between the detected and non-detected results for hexane and methylene chloride exceeded 2X the RL. The detected and non-detected results reported for these compounds in the field duplicate pair were

qualified as estimated, (J) and (UJ), respectively. The remaining results associated with these two samples fell within quality control limits.

- IA-Prop1_20160308 was collected as a field duplicate sample of IA-Prop1_20160308DUP. The Relative Percent Difference (RPD) for isopropanol exceeded the 50% quality control criterion. The detected results reported for isopropanol in the field duplicate pair were qualified as estimated, (J). The remaining results associated with these two samples fell within quality control limits.
- SS-E10*_20160308 was collected as a field duplicate sample of SS-E10*_20160308DUP. The Relative Percent Difference (RPD) for isopropanol exceeded the 50% quality control criterion. The detected results reported for this compound in the field duplicate pair were qualified as estimated, (J). The remaining results associated with these two samples fell within quality control limits.

Target Compound Identification and Quantitation: The laboratory calculations are verified and compound identifications are reviewed and assessed by the data reviewer.

- Pentafluoroethyl chloride exceeded the calibration range of the instrument in sample IA-C1_20160308. The detected result was qualified as estimated, (J).
- The GC/MS raw data (quantitation reports and chromatograms) were provided for review. No laboratory calculation errors were noted for the sample selected for verification during data validation.

Detection Limits: Non-detected results were reported to the reporting limit (RL). All samples were analyzed at dilutions ranging from 1.49X to 2.25X.

Additional Comments: All sample canisters contained an initial vacuum of approximately -26 to -30 psig and finished at -9 to -5 psig.

4.0 CONCLUSIONS

The detected results for methylene chloride should be considered a probable laboratory contaminant because of the following:

- The samples were analyzed in the same building as the organic extraction laboratory.
- The field duplicate IA-C20_20160308DUP had a concentration of methylene chloride in the 2.35X dilution of 626 $\mu\text{g}/\text{m}^3$, however, methylene chloride was not detected in the original sample, IA-C20_20160308.

The results for pentafluoroethyl chloride in all samples were not considered as usable because this compound was not recovered in the associated LCS analysis and was not detected in the calibration standards.

With the exception of the aforementioned detected methylene chloride and nondetected pentafluoroethyl chloride results overall data quality as summarized in the DUSR is acceptable based on the outcome of data validation.



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Tetra Tech, Inc.
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June 17, 2016

Attachments:

- Appendix A – Qualified Analytical Results
- Appendix B – Results as Reported by the Laboratory
- Appendix C – Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Appendix A

Qualified Analytical Results

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times \text{IDL}$ for inorganics and $< \text{CRQL}$ for organics)
- Q = Other problems (can encompass a number of issues; i.e. chromatography, interferences, etc.)
- R = Surrogates Recovery Noncompliance
- S = Pesticide/PCB Resolution
- T = % Breakdown Noncompliance for DDT and Endrin
- U = RPD between columns/detectors $> 40\%$ for positive results determined via GC/HPLC
- V = Non-linear calibrations; correlation coefficient $r < 0.995$
- W = EMPC result
- X = Signal to noise response drop
- Y = Percent solids $< 30\%$
- Z = Uncertainty at 2 standard deviations is greater than sample activity
- Z1 = Tentatively Identified Compound considered presumptively present
- Z2 = Tentatively Identified Compound column bleed
- Z3 = Tentatively Identified Compound aldol condensate
- Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
- Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	AA_20160308			IA-13_20160308			IA-C1_20160308			IA-C20_20160308		
	LAB_ID	10341033029			10341033024			10341033013			10341033014		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		2	U		2.1	U		1.9	U		2	U	
1,1,2,2-TETRACHLOROETHANE		1.3	U		1.3	U		1.2	U		1.3	U	
1,1,2-TRICHLOROETHANE		1	U		1.1	U		0.92	U		1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.9	U		3.1	U		2.7	U		2.9	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.8	U		6.1	U		5.3	U		5.8	U	
1,1-DICHLOROETHANE		1.5	U		1.6	U		1.4	U		1.5	U	
1,1-DICHLOROETHENE		1.5	U		1.6	U		1.4	U		1.5	U	
1,1-DIFLUOROETHANE		2.5	U		13.6			20.9			10.4	J	G
1,2,4-TRICHLOROBENZENE		9.2	U		7.2	U		6.3	U		6.9	U	
1,2,4-TRIMETHYLBENZENE		4.6	U		4.8	U		1.7	U		1.8	U	
1,2-DIBROMO-3-CHLOROPROPANE		9	UJ	C	9.4	UJ	C	8.2	U		9	U	
1,2-DIBROMOETHANE		2.9	U		3	U		2.6	U		2.9	U	
1,2-DICHLOROBENZENE		2.2	U		2.3	U		2	U		2.2	U	
1,2-DICHLOROETHANE		0.75	U		0.79	U		0.69	U		0.75	U	
1,2-DICHLOROPROPANE		1.7	U		1.8	U		1.6	U		1.7	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.6	U		2.7	U		2.4	U		2.6	U	
1,3,5-TRIMETHYLBENZENE		4.6	U		4.8	U		1.7	U		1.8	U	
1,3-BUTADIENE		0.82	U		0.86	U		0.76	U		0.82	U	
1,3-DICHLOROBENZENE		2.2	U		2.3	U		2	U		2.2	U	
1,4-DICHLOROBENZENE		2.2	U		2.3	U		2	U		2.2	U	
1,4-DIOXANE		6.7	U		7	U		6.1	U		6.7	U	
1-ETHYL-4-METHYL BENZENE		4.6	U		4.8	U		1.7	U		1.8	U	
2-BUTANONE		5.5	U		5.8	U		5	U		5.5	U	
2-HEXANONE		7.6	U		8	U		7	U		7.6	U	
3-CHLOROPROPENE		2.9	U		3.1	U		2.7	U		2.9	U	
4-METHYL-2-PENTANONE		7.6	U		8	U		7	U		7.6	U	
ACETONE		11.5			32.4			31.9			27.8	J	G
BENZENE		0.72			0.78			1.1			1.2		
BROMODICHLOROMETHANE		2.5	U		2.6	U		2.3	U		2.5	U	
BROMOFORM		9.6	U		10.1	U		8.8	U		9.6	U	
BROMOMETHANE		1.4	U		1.5	U		1.3	U		1.4	U	
CARBON DISULFIDE		1.2	U		1.2	U		1.1	U		1.2	U	
CARBON TETRACHLORIDE		1.2	U		1.2	U		1.1	U		1.2	U	
CHLOROBENZENE		1.7	U		1.8	U		1.6	U		1.7	U	
CHLORODIBROMOMETHANE		3.2	U		3.3	U		2.9	U		3.2	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	IA-C20_20160308DUP			IA-D7_20160308			IA-E10_20160308			IA-E16_20160308		
	LAB_ID	10341033028			10341033015			10341033016			10341033017		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF	IA-C20_20160308											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9 U			1.9 U			2.5 U			1.9 U		
1,1,2,2-TETRACHLOROETHANE		1.2 U			1.2 U			1.6 U			1.2 U		
1,1,2-TRICHLOROETHANE		0.96 U			0.96 U			1.2 U			0.96 U		
1,1,2-TRICHLOROTRIFLUOROETHANE		2.8 U			2.8 U			3.6 U			2.8 U		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6 U			5.6 UJ	CEN		5.3 UJ	CEN		5.6 U		
1,1-DICHLOROETHANE		1.4 U			1.4 U			1.8 U			1.4 U		
1,1-DICHLOROETHENE		1.4 U			1.4 U			1.8 U			1.4 U		
1,1-DIFLUOROETHANE		19.2 J	G		24.5 J	N		21.8 J	N		10.2		
1,2,4-TRICHLOROBENZENE		8.9 U			13.2 U			17 U			6.6 U		
1,2,4-TRIMETHYLBENZENE		4.4 U			1.7 UJ	C		2.2 UJ	C		1.7 U		
1,2-DIBROMO-3-CHLOROPROPANE		8.6 UJ	C		8.6 UJ	C		8.2 UJ	C		8.6 U		
1,2-DIBROMOETHANE		2.7 U			2.7 U			3.5 U			2.7 U		
1,2-DICHLOROBENZENE		2.1 U			2.1 UJ	C		2.7 UJ	C		2.1 U		
1,2-DICHLOROETHANE		0.72 U			0.72 U			0.92 U			0.72 U		
1,2-DICHLOROPROPANE		1.6 U			1.6 U			2.1 U			1.6 U		
1,2-DICHLOROTETRAFLUOROETHANE		2.5 U			2.5 U			3.2 U			2.5 U		
1,3,5-TRIMETHYLBENZENE		4.4 U			1.7 U			2.2 U			1.7 U		
1,3-BUTADIENE		0.79 U			0.79 U			1 U			0.79 U		
1,3-DICHLOROBENZENE		2.1 U			2.1 UJ	C		2.7 UJ	C		2.1 U		
1,4-DICHLOROBENZENE		2.1 U			2.1 U			2.7 U			2.1 U		
1,4-DIOXANE		6.4 U			6.4 U			8.2 U			6.4 U		
1-ETHYL-4-METHYL BENZENE		4.4 U			1.8 U			2.2 U			1.8 U		
2-BUTANONE		5.2 U			5.2 U			6.8 U			5.2 U		
2-HEXANONE		7.3 U			7.3 U			9.4 U			7.3 U		
3-CHLOROPROPENE		2.8 U			2.8 U			3.6 U			2.8 U		
4-METHYL-2-PENTANONE		7.3 U			7.3 U			14			7.9		
ACETONE		127 J	G		46.4			52			37.7		
BENZENE		1.3			1.1 U			1.5 U			1.1		
BROMODICHLOROMETHANE		2.4 U			2.4 U			3.1 U			2.4 U		
BROMOFORM		9.2 U			3.7 U			4.7 U			9.2 U		
BROMOMETHANE		1.4 U			1.4 U			1.8 U			1.4 U		
CARBON DISULFIDE		1.1 U			1.1 U			1.4 U			1.1 U		
CARBON TETRACHLORIDE		1.1 U			1.1 U			1.4 U			1.1 U		
CHLOROBENZENE		1.6 U			1.6 U			2.1 U			1.6 U		
CHLORODIBROMOMETHANE		3 U			3 U			3.9 U			3 U		

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	IA-G5_20160308			IA-H21_20160308			IA-Prop1_20160308			IA-Prop1_20160308DUP		
	LAB_ID	10341033018			10341033019			10341033020			10341033027		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF										IA-Prop1_20160308		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		2	U		1.9	U		2	U		2	U	
1,1,2,2-TETRACHLOROETHANE		1.3	U		1.2	U		1.3	U		1.3	U	
1,1,2-TRICHLOROETHANE		1	U		0.96	U		1	U		1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.9	U		2.8	U		2.9	U		2.9	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.8	U		5.6	U		5.8	U		5.8	U	
1,1-DICHLOROETHANE		1.5	U		1.4	U		1.5	U		1.5	U	
1,1-DICHLOROETHENE		1.5	U		1.4	U		1.5	U		1.5	U	
1,1-DIFLUOROETHANE		19.8			10.1			12.6			10.8		
1,2,4-TRICHLOROBENZENE		6.9	U		6.6	U		6.9	U		6.9	U	
1,2,4-TRIMETHYLBENZENE		1.8	U		1.7	U		4.6	U		4.6	U	
1,2-DIBROMO-3-CHLOROPROPANE		9	U		8.6	U		9	UJ	C	9	UJ	C
1,2-DIBROMOETHANE		2.9	U		2.7	U		2.9	U		2.9	U	
1,2-DICHLOROBENZENE		2.2	U		2.1	U		2.2	U		2.2	U	
1,2-DICHLOROETHANE		0.75	U		0.72	U		0.75	U		0.75	U	
1,2-DICHLOROPROPANE		1.7	U		1.6	U		1.7	U		1.7	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.6	U		2.5	U		2.6	U		2.6	U	
1,3,5-TRIMETHYLBENZENE		1.8	U		1.7	U		4.6	U		4.6	U	
1,3-BUTADIENE		0.82	U		0.79	U		0.82	U		0.82	U	
1,3-DICHLOROBENZENE		2.2	U		2.1	U		2.2	U		2.2	U	
1,4-DICHLOROBENZENE		2.2	U		2.1	U		2.2	U		2.2	U	
1,4-DIOXANE		6.7	U		6.4	U		6.7	U		6.7	U	
1-ETHYL-4-METHYL BENZENE		1.8	U		1.8	U		4.6	U		4.6	U	
2-BUTANONE		11			5.2	U		5.5	U		5.5	U	
2-HEXANONE		7.6	U		7.3	U		7.6	U		7.6	U	
3-CHLOROPROPENE		2.9	U		2.8	U		2.9	U		2.9	U	
4-METHYL-2-PENTANONE		7.6	U		7.3	U		7.6	U		7.6	U	
ACETONE		39.3			35.1			36.5			31.5		
BENZENE		1.1			1.1			1			0.91		
BROMODICHLOROMETHANE		2.5	U		2.4	U		2.5	U		2.5	U	
BROMOFORM		9.6	U		9.2	U		9.6	U		9.6	U	
BROMOMETHANE		1.4	U		1.4	U		1.4	U		1.4	U	
CARBON DISULFIDE		1.2	U		1.1	U		2.1			1.2	U	
CARBON TETRACHLORIDE		1.2	U		1.1	U		1.2	U		1.2	U	
CHLOROBENZENE		1.7	U		1.6	U		1.7	U		1.7	U	
CHLORODIBROMOMETHANE		3.2	U		3	U		3.2	U		3.2	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	IA-Prop2_20160308			IA-Prop3_20160308			IA-Prop4_20160308			SS-12_20160308		
	LAB_ID	10341033021			10341033022			10341033023			10341033012		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U		2	U		1.9	U		2	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U		1.3	U		1.2	U		1.3	U	
1,1,2-TRICHLOROETHANE		0.96	U		1	U		0.96	U		1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.8	U		2.9	U		2.8	U		2.9	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.6	U		5.8	U		5.6	U		5.8	U	
1,1-DICHLOROETHANE		1.4	U		1.5	U		1.4	U		1.5	U	
1,1-DICHLOROETHENE		1.4	U		1.5	U		1.4	U		1.5	U	
1,1-DIFLUOROETHANE		9.9			12.6			16.8			3.4		
1,2,4-TRICHLOROBENZENE		6.6	U		6.9	U		6.6	U		6.9	U	
1,2,4-TRIMETHYLBENZENE		4.4	U		4.6	U		4.4	U		11.8		
1,2-DIBROMO-3-CHLOROPROPANE		8.6	UJ	C	9	UJ	C	8.6	UJ	C	9	U	
1,2-DIBROMOETHANE		2.7	U		2.9	U		2.7	U		2.9	U	
1,2-DICHLOROBENZENE		2.1	U		2.2	U		2.1	U		2.2	U	
1,2-DICHLOROETHANE		0.72	U		0.75	U		0.72	U		0.75	U	
1,2-DICHLOROPROPANE		1.6	U		1.7	U		1.6	U		1.7	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.5	U		2.6	U		2.5	U		2.6	U	
1,3,5-TRIMETHYLBENZENE		4.4	U		4.6	U		4.4	U		2.6		
1,3-BUTADIENE		0.79	U		0.82	U		0.79	U		0.82	U	
1,3-DICHLOROBENZENE		2.1	U		2.2	U		2.1	U		2.2	U	
1,4-DICHLOROBENZENE		2.1	U		2.2	U		2.1	U		2.2	U	
1,4-DIOXANE		6.4	U		6.7	U		6.4	U		6.7	U	
1-ETHYL-4-METHYL BENZENE		4.4	U		4.6	U		4.4	U		2.4		
2-BUTANONE		5.2	U		5.5	U		5.2	U		244		
2-HEXANONE		7.3	U		7.6	U		7.3	U		9.2		
3-CHLOROPROPENE		2.8	U		2.9	U		2.8	U		2.9	U	
4-METHYL-2-PENTANONE		7.3	U		7.6	U		7.3	U		139		
ACETONE		32.8			34.1			37.1			686		
BENZENE		0.99			1.1			1.1			0.59	U	
BROMODICHLOROMETHANE		2.4	U		2.5	U		2.4	U		2.5	U	
BROMOFORM		9.2	U		9.6	U		9.2	U		9.6	U	
BROMOMETHANE		1.4	U		1.4	U		1.4	U		1.4	U	
CARBON DISULFIDE		1.1	U		1.2	U		1.1	U		1.2	U	
CARBON TETRACHLORIDE		1.1	U		1.2	U		1.1	U		1.2	U	
CHLOROBENZENE		1.6	U		1.7	U		1.6	U		1.7	U	
CHLORODIBROMOMETHANE		3	U		3.2	U		3	U		3.2	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	SS-C1*_20160308			SS-C1_20160308DUP			SS-C20*_20160308			SS-D7*_20160308		
	LAB_ID	10341033001			10341033025			10341033002			10341033003		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF				SS-C1*_20160308								
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		2	U		2	U		2	U		4.6		
1,1,2,2-TETRACHLOROETHANE		1.3	U		1.3	U		1.3	U		1.3	U	
1,1,2-TRICHLOROETHANE		1	U		1	U		1	U		1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.9	U		2.9	U		158			8.9		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.8	U		5.8	U		5.8	U		5.8	U	
1,1-DICHLOROETHANE		1.5	U		1.5	U		1.5	U		1.5	U	
1,1-DICHLOROETHENE		1.5	U		1.5	U		1.5	U		1.5	U	
1,1-DIFLUOROETHANE		2.5	U		2.5	U		2.5	U		5.9		
1,2,4-TRICHLOROBENZENE		6.9	U		6.9	U		6.9	U		6.9	U	
1,2,4-TRIMETHYLBENZENE		1.8	U		4.6	U		1.8	U		1.8	U	
1,2-DIBROMO-3-CHLOROPROPANE		9	U		9	UJ	C	9	U		9	U	
1,2-DIBROMOETHANE		2.9	U		2.9	U		2.9	U		2.9	U	
1,2-DICHLOROBENZENE		2.2	U		2.2	U		2.2	U		2.2	U	
1,2-DICHLOROETHANE		0.75	U		0.75	U		0.75	U		0.75	U	
1,2-DICHLOROPROPANE		1.7	U		1.7	U		1.7	U		1.7	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.6	U		2.6	U		2.6	U		2.6	U	
1,3,5-TRIMETHYLBENZENE		1.8	U		4.6	U		1.8	U		1.8	U	
1,3-BUTADIENE		0.82	U		0.82	U		0.82	U		0.82	U	
1,3-DICHLOROBENZENE		2.2	U		2.2	U		2.2	U		2.2	U	
1,4-DICHLOROBENZENE		2.2	U		2.2	U		2.2	U		2.2	U	
1,4-DIOXANE		6.7	U		6.7	U		6.7	U		6.7	U	
1-ETHYL-4-METHYL BENZENE		1.8	U		4.6	U		1.8	U		1.8	U	
2-BUTANONE		5.5	U		5.5	U		5.5	U		5.5	U	
2-HEXANONE		7.6	U		7.6	U		7.6	U		7.6	U	
3-CHLOROPROPENE		2.9	U		2.9	U		2.9	U		2.9	U	
4-METHYL-2-PENTANONE		7.6	U		7.6	U		7.6	U		7.6	U	
ACETONE		6.4			9.9			10.2			4.7		
BENZENE		0.59	U		0.59	U		0.59	U		0.59	U	
BROMODICHLOROMETHANE		2.5	U		2.5	U		2.5	U		2.5	U	
BROMOFORM		9.6	U		9.6	U		9.6	U		9.6	U	
BROMOMETHANE		1.4	U		1.4	U		1.4	U		1.4	U	
CARBON DISULFIDE		1.2	U		1.2	U		1.2	U		1.2	U	
CARBON TETRACHLORIDE		1.2	U		1.2	U		1.2	U		1.2	U	
CHLOROBENZENE		1.7	U		1.7	U		1.7	U		1.7	U	
CHLORODIBROMOMETHANE		3.2	U		3.2	U		3.2	U		3.2	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	SS-E10*_20160308			SS-E10_20160308DUP			SS-E16*_20160308			SS-G5*_20160308		
	LAB_ID	10341033004			10341033026			10341033005			10341033006		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF				SS-E10*_20160308								
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		2	U		2	U		1.9	U		2.1	U	
1,1,2,2-TETRACHLOROETHANE		1.3	U		1.3	U		1.2	U		1.3	U	
1,1,2-TRICHLOROETHANE		1	U		1	U		0.96	U		1.1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		2.9	U		2.9	U		2.8	U		3.1	U	
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.8	U		5.8	U		5.6	U		6.1	U	
1,1-DICHLOROETHANE		1.5	U		1.5	U		1.4	U		1.6	U	
1,1-DICHLOROETHENE		1.5	U		1.5	U		1.4	U		1.6	U	
1,1-DIFLUOROETHANE		13.6			8.2			9.5			19.6		
1,2,4-TRICHLOROBENZENE		6.9	U		6.9	U		6.6	U		7.2	U	
1,2,4-TRIMETHYLBENZENE		1.8	U		4.6	U		6.2			1.9	U	
1,2-DIBROMO-3-CHLOROPROPANE		9	U		9	UJ	C	8.6	U		9.4	U	
1,2-DIBROMOETHANE		2.9	U		2.9	U		2.7	U		3	U	
1,2-DICHLOROBENZENE		2.2	U		2.2	U		2.1	U		2.3	U	
1,2-DICHLOROETHANE		0.75	U		0.75	U		0.72	U		0.79	U	
1,2-DICHLOROPROPANE		1.7	U		1.7	U		1.6	U		1.8	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.6	U		2.6	U		2.5	U		2.7	U	
1,3,5-TRIMETHYLBENZENE		1.8	U		4.6	U		1.7	U		1.9	U	
1,3-BUTADIENE		0.82	U		0.82	U		0.79	U		0.86	U	
1,3-DICHLOROBENZENE		2.2	U		2.2	U		2.1	U		2.3	U	
1,4-DICHLOROBENZENE		2.2	U		2.2	U		2.1	U		2.3	U	
1,4-DIOXANE		6.7	U		6.7	U		6.4	U		7	U	
1-ETHYL-4-METHYL BENZENE		1.8	U		4.6	U		2			1.9	U	
2-BUTANONE		5.5	U		5.5	U		5.2	U		5.8	U	
2-HEXANONE		7.6	U		7.6	U		7.3	U		8	U	
3-CHLOROPROPENE		2.9	U		2.9	U		2.8	U		3.1	U	
4-METHYL-2-PENTANONE		7.6	U		7.6	U		7.3	U		8	U	
ACETONE		20.8			14.5			89.5			38.8		
BENZENE		0.6			0.59	U		1.1			1.1		
BROMODICHLOROMETHANE		2.5	U		2.5	U		2.4	U		2.6	U	
BROMOFORM		9.6	U		9.6	U		9.2	U		10.1	U	
BROMOMETHANE		1.4	U		1.4	U		1.4	U		1.5	U	
CARBON DISULFIDE		1.2	U		1.2	U		3.1			1.2	U	
CARBON TETRACHLORIDE		1.2	U		1.2	U		1.1	U		1.2	U	
CHLOROBENZENE		1.7	U		1.7	U		1.6	U		1.8	U	
CHLORODIBROMOMETHANE		3.2	U		3.2	U		3	U		3.3	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	SS-H21*_20160308			SS-Prop1_20160308			SS-Prop2_20160308			SS-Prop3_20160308		
	LAB_ID	10341033007			10341033008			10341033009			10341033010		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.7	U		2.2	U		2	U		2.1	U	
1,1,2,2-TETRACHLOROETHANE		1	U		1.4	U		1.3	U		1.3	U	
1,1,2-TRICHLOROETHANE		0.82	U		1.1	U		1	U		1.1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		29.4			6.1			21.7			34.3		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		4.7	U		6.4	U		5.8	U		6.1	U	
1,1-DICHLOROETHANE		1.2	U		1.6	U		1.5	U		1.6	U	
1,1-DICHLOROETHENE		1.2	U		1.6	U		1.5	U		1.6	U	
1,1-DIFLUOROETHANE		2	U		7.1			7			2.6	U	
1,2,4-TRICHLOROBENZENE		5.6	U		7.6	U		6.9	U		7.2	U	
1,2,4-TRIMETHYLBENZENE		1.5	U		2	U		1.8	U		3.3		
1,2-DIBROMO-3-CHLOROPROPANE		7.3	U		9.9	U		9	U		9.4	U	
1,2-DIBROMOETHANE		2.3	U		3.1	U		2.9	U		3	U	
1,2-DICHLOROBENZENE		1.8	U		2.5	U		2.2	U		2.3	U	
1,2-DICHLOROETHANE		0.61	U		0.82	U		0.75	U		0.79	U	
1,2-DICHLOROPROPANE		1.4	U		1.9	U		1.7	U		1.8	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.1	U		2.9	U		2.6	U		2.7	U	
1,3,5-TRIMETHYLBENZENE		1.5	U		2	U		1.8	U		1.9	U	
1,3-BUTADIENE		0.67	U		0.9	U		0.82	U		0.86	U	
1,3-DICHLOROBENZENE		1.8	U		2.5	U		2.2	U		2.3	U	
1,4-DICHLOROBENZENE		1.8	U		2.5	U		2.2	U		2.3	U	
1,4-DIOXANE		5.5	U		7.4	U		6.7	U		7	U	
1-ETHYL-4-METHYL BENZENE		1.5	U		2	U		1.8	U		1.9	U	
2-BUTANONE		5.8			6	U		5.6			5.8	U	
2-HEXANONE		6.2	U		8.4	U		7.6	U		8	U	
3-CHLOROPROPENE		2.4	U		3.2	U		2.9	U		3.1	U	
4-METHYL-2-PENTANONE		6.2	U		8.4	U		7.6	U		8	U	
ACETONE		14.5			266			68.9			44.5		
BENZENE		0.5			1.1			0.96			0.62	U	
BROMODICHLOROMETHANE		2	U		2.7	U		2.5	U		2.6	U	
BROMOFORM		7.8	U		10.6	U		9.6	U		10.1	U	
BROMOMETHANE		1.2	U		1.6	U		1.4	U		1.5	U	
CARBON DISULFIDE		1.7			1.3	U		1.2	U		1.2	U	
CARBON TETRACHLORIDE		0.95	U		1.3	U		1.2	U		1.2	U	
CHLOROBENZENE		1.4	U		1.9	U		1.7	U		1.8	U	
CHLORODIBROMOMETHANE		2.6	U		3.5	U		3.2	U		3.3	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	SS-Prop4_20160308		
	LAB_ID	10341033011		
	SAMP_DATE	3/8/2016		
	QC_TYPE	NM		
	UNITS	UG/M3		
	PCT_SOLIDS			
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,1,1-TRICHLOROETHANE		1.9	U	
1,1,2,2-TETRACHLOROETHANE		1.2	U	
1,1,2-TRICHLOROETHANE		0.92	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		4.9		
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE		5.3	U	
1,1-DICHLOROETHANE		1.4	U	
1,1-DICHLOROETHENE		1.4	U	
1,1-DIFLUOROETHANE		18.6		
1,2,4-TRICHLOROBENZENE		6.3	U	
1,2,4-TRIMETHYLBENZENE		6.3		
1,2-DIBROMO-3-CHLOROPROPANE		8.2	U	
1,2-DIBROMOETHANE		2.6	U	
1,2-DICHLOROBENZENE		2	U	
1,2-DICHLOROETHANE		0.69	U	
1,2-DICHLOROPROPANE		1.6	U	
1,2-DICHLOROTETRAFLUOROETHANE		2.4	U	
1,3,5-TRIMETHYLBENZENE		1.7	U	
1,3-BUTADIENE		0.76	U	
1,3-DICHLOROBENZENE		2	U	
1,4-DICHLOROBENZENE		2	U	
1,4-DIOXANE		6.1	U	
1-ETHYL-4-METHYL BENZENE		1.7		
2-BUTANONE		5	U	
2-HEXANONE		7	U	
3-CHLOROPROPENE		2.7	U	
4-METHYL-2-PENTANONE		7	U	
ACETONE		29.1		
BENZENE		1.3		
BROMODICHLOROMETHANE		2.3	U	
BROMOFORM		8.8	U	
BROMOMETHANE		1.3	U	
CARBON DISULFIDE		2		
CARBON TETRACHLORIDE		1.1	U	
CHLOROBENZENE		1.6	U	
CHLORODIBROMOMETHANE		2.9	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	AA_20160308			IA-13_20160308			IA-C1_20160308			IA-C20_20160308		
	LAB_ID	10341033029			10341033024			10341033013			10341033014		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.3	U		1.4	U		1.2	U		1.3	U	
CHLOROETHANE		0.99	U		1	U		0.91	U		0.99	U	
CHLOROFORM		0.91	U		34.7			31.2			23.6	J	G
CHLOROMETHANE		0.77	U		1.3			0.71	U		1.3		
CIS-1,2-DICHLOROETHENE		1.5	U		1.6	U		1.4	U		1.5	U	
CIS-1,3-DICHLOROPROPENE		1.7	U		1.8	U		1.5	U		1.7	U	
CYCLOHEXANE		1.3	U		1.3	U		1.2	U		1.3	U	
DICHLORODIFLUOROMETHANE		2.4			2.4			3.2			1.8	U	
ETHYLBENZENE		1.6	U		1.7	U		1.5	U		1.6	U	
HEXACHLOROBUTADIENE		9.9	U		10.4	U		3.7	U		4	U	
HEXANE		1.3	U		2.1			1.7			2	J	G
ISOPROPANOL		4.6	U		98.2			98.7			117	J	G
ISOPROPYLBENZENE		4.6	U		4.8	U		4.2	U		4.6	U	
M+P-XYLENES		3.2	U		3.4	U		5.7			3.2	U	
METHYL ACETATE		2.8	U		3	U		2.6	U		2.8	U	
METHYL CYCLOHEXANE		1.5	U		1.6	U		1.4	U		1.5	U	
METHYL TERT-BUTYL ETHER		6.7	U		7	U		6.2	U		6.7	U	
METHYLENE CHLORIDE		15	J+	A	6.8	U		5.9	U		6.5	UJ	G
O-XYLENE		1.6	U		1.7	U		2.2			1.6	U	
PENTAFLUOROETHYL CHLORIDE		5.9	UR	CE	6.2	UR	CE	5.4	UR	CE	5.9	UU	CE
STYRENE		1.6	U		1.7	U		1.5	U		1.6	U	
TETRACHLOROETHENE		1.3	U		1.3	U		1.2	U		4.2		
TOLUENE		1.7			1.7			2.6			2.8	J	G
TRANS-1,2-DICHLOROETHENE		1.5	U		1.6	U		1.4	U		1.5	U	
TRANS-1,3-DICHLOROPROPENE		1.7	U		1.8	U		1.5	U		1.7	U	
TRICHLOROETHENE		1	U		1.1	U		0.92	U		1.3		
TRICHLOROFLUOROMETHANE		2.1	U		2.2	U		1.9	U		2.1	U	
VINYL CHLORIDE		0.48	U		0.5	U		0.44	U		0.48	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	IA-C20_20160308DUP			IA-D7_20160308			IA-E10_20160308			IA-E16_20160308		
	LAB_ID	10341033028			10341033015			10341033016			10341033017		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF	IA-C20_20160308											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.3	U		1.3	U		43.1			1.3	U	
CHLOROETHANE		0.94	U		0.94	U		1.2	U		0.94	U	
CHLOROFORM		12.4	J	G	32.6			30.9			24.4		
CHLOROMETHANE		1.5			1.7			1.9			1.4		
CIS-1,2-DICHLOROETHENE		1.4	U		2.4			1.8	U		1.4	U	
CIS-1,3-DICHLOROPROPENE		1.6	U		1.6	U		2.1	U		1.6	U	
CYCLOHEXANE		1.3			1.2	U		1.6	U		1.2	U	
DICHLORODIFLUOROMETHANE		3.1			2.2			2.6			2.6		
ETHYLBENZENE		1.5	U		1.5	U		2	U		1.5	U	
HEXACHLOROBUTADIENE		9.5	U		19	U		24.4	U		3.8	U	
HEXANE		11.9	J	G	1.3	U		3			1.9		
ISOPROPANOL		50.1	J	G	121			141			118		
ISOPROPYLBENZENE		4.4	U		4.4	U		5.6	U		4.4	U	
M+P-XYLENES		4.2			3.1	U		4	U		3.1	U	
METHYL ACETATE		2.7	U		2.7	UJ	N	2.6	UJ	N	2.7	U	
METHYL CYCLOHEXANE		1.4	U		1.4	U		1.8	U		1.4	U	
METHYL TERT-BUTYL ETHER		6.4	U		6.4	U		8.2	U		6.4	U	
METHYLENE CHLORIDE		626	J+	AG	6.2	U		16.3	J+	A	6.2	U	
O-XYLENE		1.5	U		1.5	U		2	U		1.5	U	
PENTAFLUOROETHYL CHLORIDE		5.6	UR	CE	5.6	UR	C	5.4	UR	C	5.6	UR	CE
STYRENE		1.5	U		1.5	U		2	U		1.5	U	
TETRACHLOROETHENE		1.2	U		1.2	U		1.6	U		1.2	U	
TOLUENE		8.3	J	G	4.1			12.7			7.9		
TRANS-1,2-DICHLOROETHENE		1.4	U		1.4	U		1.8	U		1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.6	U		1.6	U		2.1	U		1.6	U	
TRICHLOROETHENE		0.96	U		0.96	U		1.2	U		0.96	U	
TRICHLOROFLUOROMETHANE		2	U		2	U		2.6	U		2	U	
VINYL CHLORIDE		0.46	U		0.46	U		0.58	U		0.46	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	IA-G5_20160308			IA-H21_20160308			IA-Prop1_20160308			IA-Prop1_20160308DUP		
	LAB_ID	10341033018			10341033019			10341033020			10341033027		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF										IA-Prop1_20160308		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.3	U		1.3	U		1.3	U		1.3	U	
CHLOROETHANE		0.99	U		0.94	U		0.99	U		0.99	U	
CHLOROFORM		32.5			20.5			31.1			29.5		
CHLOROMETHANE		0.77	U		1.2			1.4			1.1		
CIS-1,2-DICHLOROETHENE		1.5	U		1.4	U		1.5	U		1.5	U	
CIS-1,3-DICHLOROPROPENE		1.7	U		1.6	U		1.7	U		1.7	U	
CYCLOHEXANE		1.3	U		1.2	U		1.3	U		1.4		
DICHLORODIFLUOROMETHANE		1.8	U		2.4			1.8	U		2.5		
ETHYLBENZENE		1.6	U		1.5	U		1.6	U		1.6	U	
HEXACHLOROBUTADIENE		4	U		3.8	U		9.9	U		9.9	U	
HEXANE		1.3	U		1.3	U		1.3	U		1.6		
ISOPROPANOL		121			134			123	J	G	62.1	J	G
ISOPROPYLBENZENE		4.6	U		4.4	U		4.6	U		4.6	U	
M+P-XYLENES		3.2	U		3.1	U		3.2	U		3.2	U	
METHYL ACETATE		2.8	U		2.7	U		2.8	U		2.8	U	
METHYL CYCLOHEXANE		1.5	U		1.4	U		1.5	U		1.5	U	
METHYL TERT-BUTYL ETHER		6.7	U		6.4	U		6.7	U		6.7	U	
METHYLENE CHLORIDE		6.5	U		6.2	U		6.5	U		6.5	U	
O-XYLENE		1.6	U		1.5	U		1.6	U		1.6	U	
PENTAFLUOROETHYL CHLORIDE		5.9	UR	CE	5.6	UR	CE	5.9	UR	CE	5.9	UR	CE
STYRENE		1.6	U		1.5	U		1.6	U		1.6	U	
TETRACHLOROETHENE		1.3	U		1.2	U		1.3	U		1.3	U	
TOLUENE		3.5			2.2			2.4			2.2		
TRANS-1,2-DICHLOROETHENE		1.5	U		1.4	U		1.5	U		1.5	U	
TRANS-1,3-DICHLOROPROPENE		1.7	U		1.6	U		1.7	U		1.7	U	
TRICHLOROETHENE		1	U		0.96	U		1	U		1	U	
TRICHLOROFLUOROMETHANE		2.1	U		2	U		2.1	U		2.1	U	
VINYL CHLORIDE		0.48	U		0.46	U		0.48	U		0.48	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	IA-Prop2_20160308			IA-Prop3_20160308			IA-Prop4_20160308			SS-12_20160308		
	LAB_ID	10341033021			10341033022			10341033023			10341033012		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.3	U		1.3	U		1.3	U		1.3	U	
CHLOROETHANE		0.94	U		0.99	U		0.94	U		0.99	U	
CHLOROFORM		21.7			25.9			29.1			36.4		
CHLOROMETHANE		1.2			1.4			0.74	U		0.77	U	
CIS-1,2-DICHLOROETHENE		1.4	U		1.5	U		1.4	U		1.5	U	
CIS-1,3-DICHLOROPROPENE		1.6	U		1.7	U		1.6	U		1.7	U	
CYCLOHEXANE		1.2	U		1.3	U		1.2	U		1.9		
DICHLORODIFLUOROMETHANE		2.3			2.3			2.4			2.4		
ETHYLBENZENE		1.5	U		1.6	U		1.5	U		1.6	U	
HEXACHLOROBUTADIENE		9.5	U		9.9	U		9.5	U		4	U	
HEXANE		2.6			2			2.2			26.4		
ISOPROPANOL		113			126			108			72.2		
ISOPROPYLBENZENE		4.4	U		4.6	U		4.4	U		4.6	U	
M+P-XYLENES		3.1	U		3.2	U		3.1	U		5.4		
METHYL ACETATE		2.7	U		2.8	U		2.7	U		2.8	U	
METHYL CYCLOHEXANE		1.4	U		1.5	U		1.4	U		1.5	U	
METHYL TERT-BUTYL ETHER		6.4	U		6.7	U		6.4	U		6.7	U	
METHYLENE CHLORIDE		6.2	U		6.5	U		10.2	J+	A	6.5	U	
O-XYLENE		1.5	U		1.6	U		1.5	U		2.2		
PENTAFLUOROETHYL CHLORIDE		5.6	UR	CE	5.9	UR	CE	5.6	UR	CE	5.9	UR	CE
STYRENE		1.5	U		1.6	U		1.5	U		1.6	U	
TETRACHLOROETHENE		1.2	U		1.3	U		1.2	U		8.6		
TOLUENE		2			3			6.8			1.5		
TRANS-1,2-DICHLOROETHENE		1.4	U		1.5	U		1.4	U		1.5	U	
TRANS-1,3-DICHLOROPROPENE		1.6	U		1.7	U		1.6	U		1.7	U	
TRICHLOROETHENE		0.96	U		1	U		0.96	U		4.6		
TRICHLOROFLUOROMETHANE		2	U		2.1	U		2	U		2.1	U	
VINYL CHLORIDE		0.46	U		0.48	U		0.46	U		0.48	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	SS-C1*_20160308			SS-C1_20160308DUP			SS-C20*_20160308			SS-D7*_20160308		
	LAB_ID	10341033001			10341033025			10341033002			10341033003		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF				SS-C1*_20160308								
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		4			1.3 U			2.3			1.3 U		
CHLOROETHANE		0.99 U			0.99 U			0.99 U			0.99 U		
CHLOROFORM		0.91 U			0.91 U			1			13.4		
CHLOROMETHANE		0.77 U			0.77 U			0.77 U			0.77 U		
CIS-1,2-DICHLOROETHENE		1.5 U			1.5 U			1.5 U			1.5 U		
CIS-1,3-DICHLOROPROPENE		1.7 U			1.7 U			1.7 U			1.7 U		
CYCLOHEXANE		1.3 U			1.3 U			1.3 U			1.3 U		
DICHLORODIFLUOROMETHANE		2.2			2.3			1.8 U			2.5		
ETHYLBENZENE		1.6 U			1.6 U			1.6 U			1.6 U		
HEXACHLOROBUTADIENE		4 U			9.9 U			4 U			4 U		
HEXANE		1.3 U			1.3 U			1.3 U			1.3 U		
ISOPROPANOL		4.8			4.6 U			4.6 U			5.2		
ISOPROPYLBENZENE		4.6 U			4.6 U			4.6 U			4.6 U		
M+P-XYLENES		3.2 U			3.2 U			3.2 U			3.2 U		
METHYL ACETATE		2.8 U			2.8 U			2.8 U			2.8 U		
METHYL CYCLOHEXANE		1.5 U			1.5 U			1.5 U			1.5 U		
METHYL TERT-BUTYL ETHER		6.7 U			6.7 U			6.7 U			6.7 U		
METHYLENE CHLORIDE		6.6 J+	A		6.5 U			6.5 U			6.5 U		
O-XYLENE		1.6 U			1.6 U			1.6 U			1.6 U		
PENTAFLUOROETHYL CHLORIDE		5.9 UR	CE		5.9 UR	CE		5.9 UR	CE		5.9 UR	CE	
STYRENE		1.6 U			1.6 U			1.6 U			1.6 U		
TETRACHLOROETHENE		11.4			12			786			19.9		
TOLUENE		1.4 U			1.4 U			1.4 U			1.4 U		
TRANS-1,2-DICHLOROETHENE		1.5 U			1.5 U			1.5 U			1.5 U		
TRANS-1,3-DICHLOROPROPENE		1.7 U			1.7 U			1.7 U			1.7 U		
TRICHLOROETHENE		111			107			3.4			91.1		
TRICHLOROFLUOROMETHANE		2.1 U			2.1 U			2.1 U			3		
VINYL CHLORIDE		0.48 U			0.48 U			0.48 U			0.48 U		

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	SS-E10*_20160308			SS-E10_20160308DUP			SS-E16*_20160308			SS-G5*_20160308		
	LAB_ID	10341033004			10341033026			10341033005			10341033006		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF				SS-E10*_20160308								
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		1.3	U		1.3	U		1.3	U		1.4	U	
CHLOROETHANE		0.99	U		0.99	U		0.94	U		1	U	
CHLOROFORM		22.2			15.8			20.1			31		
CHLOROMETHANE		0.77	U		0.77	U		0.74	U		0.81	U	
CIS-1,2-DICHLOROETHENE		1.5	U		1.5	U		1.4	U		1.6	U	
CIS-1,3-DICHLOROPROPENE		1.7	U		1.7	U		1.6	U		1.8	U	
CYCLOHEXANE		1.3	U		1.3	U		2.5			1.3	U	
DICHLORODIFLUOROMETHANE		2.2			2.2			1.8	U		2.3		
ETHYLBENZENE		1.6	U		1.6	U		1.5	U		1.7	U	
HEXACHLOROBUTADIENE		4	U		9.9	U		3.8	U		4.2	U	
HEXANE		1.3	U		1.3	U		1.3	U		1.4	U	
ISOPROPANOL		40.2	J	G	8.4	J	G	25.9			130		
ISOPROPYLBENZENE		4.6	U		4.6	U		4.4	U		4.8	U	
M+P-XYLENES		3.2	U		3.2	U		5			3.4	U	
METHYL ACETATE		2.8	U		2.8	U		2.7	U		3	U	
METHYL CYCLOHEXANE		1.5	U		1.5	U		1.4	U		1.6	U	
METHYL TERT-BUTYL ETHER		6.7	U		6.7	U		6.4	U		7	U	
METHYLENE CHLORIDE		6.5	U		6.5	U		6.2	U		6.8	U	
O-XYLENE		1.6	U		1.6	U		3.1			1.7	U	
PENTAFLUOROETHYL CHLORIDE		5.9	UR	CE	5.9	UR	CE	5.6	UR	CE	6.2	UR	CE
STYRENE		1.6	U		1.6	U		2.5			1.7	U	
TETRACHLOROETHENE		14.8			22.7			306			1.3	U	
TOLUENE		1.6			1.4	U		2.5			2.7		
TRANS-1,2-DICHLOROETHENE		1.5	U		1.5	U		1.4	U		1.6	U	
TRANS-1,3-DICHLOROPROPENE		1.7	U		1.7	U		1.6	U		1.8	U	
TRICHLOROETHENE		26			38			0.96			1.1	U	
TRICHLOROFLUOROMETHANE		2.1	U		2.1	U		2	U		2.2	U	
VINYL CHLORIDE		0.48	U		0.48	U		0.46	U		0.5	U	

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	SS-H21*_20160308			SS-Prop1_20160308			SS-Prop2_20160308			SS-Prop3_20160308		
	LAB_ID	10341033007			10341033008			10341033009			10341033010		
	SAMP_DATE	3/8/2016			3/8/2016			3/8/2016			3/8/2016		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/M3			UG/M3			UG/M3			UG/M3		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		12.1			1.4 U			1.3 U			1.4 U		
CHLOROETHANE		0.8 U			1.1 U			0.99 U			1 U		
CHLOROFORM		2.1			26.6			15.5			124		
CHLOROMETHANE		0.63 U			0.84 U			0.9			0.81 U		
CIS-1,2-DICHLOROETHENE		1.2 U			1.6 U			1.5 U			1.6 U		
CIS-1,3-DICHLOROPROPENE		1.4 U			1.8 U			1.7 U			1.8 U		
CYCLOHEXANE		1.6			1.4 U			1.3 U			1.3 U		
DICHLORODIFLUOROMETHANE		2.3			2 U			1.9			1.9 U		
ETHYLBENZENE		1.3 U			1.8 U			1.6 U			1.7 U		
HEXACHLOROBUTADIENE		3.3 U			4.4 U			4 U			4.2 U		
HEXANE		8.8			1.4 U			1.3 U			1.4 U		
ISOPROPANOL		8.7			87.3			109			22.5		
ISOPROPYLBENZENE		3.7 U			5 U			4.6 U			4.8 U		
M+P-XYLENES		2.6 U			3.6 U			3.2 U			3.4 U		
METHYL ACETATE		2.3 U			3.1 U			2.8 U			3 U		
METHYL CYCLOHEXANE		1.2 U			1.6 U			1.5 U			1.6 U		
METHYL TERT-BUTYL ETHER		5.5 U			7.4 U			6.7 U			7 U		
METHYLENE CHLORIDE		30.7 J+	A		7.1 U			6.5 U			6.8 U		
O-XYLENE		1.3 U			1.8 U			1.6 U			1.7 U		
PENTAFLUOROETHYL CHLORIDE		4.8 UR	CE		6.5 UR	CE		5.9 UR	CE		6.2 UR	CE	
STYRENE		1.3 U			1.7 U			1.6 U			1.7 U		
TETRACHLOROETHENE		86.9			242			3.6			105		
TOLUENE		13.7			3			4.9			1.8		
TRANS-1,2-DICHLOROETHENE		1.2 U			1.6 U			1.5 U			1.6 U		
TRANS-1,3-DICHLOROPROPENE		1.4 U			1.8 U			1.7 U			1.8 U		
TRICHLOROETHENE		1.2			6.5			2			5.7		
TRICHLOROFLUOROMETHANE		2.3			2.3 U			2.1 U			2.6		
VINYL CHLORIDE		0.39 U			0.52 U			0.48 U			0.5 U		

PROJ_NO: 07792 SDG: 10341033 FRACTION: OV-M3 MEDIA: AIR	NSAMPLE	SS-Prop4_20160308		
	LAB_ID	10341033011		
	SAMP_DATE	3/8/2016		
	QC_TYPE	NM		
	UNITS	UG/M3		
	PCT_SOLIDS			
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CHLORODIFLUOROMETHANE		45.9		
CHLOROETHANE		0.91	U	
CHLOROFORM		4.7		
CHLOROMETHANE		1.2		
CIS-1,2-DICHLOROETHENE		1.4	U	
CIS-1,3-DICHLOROPROPENE		1.5	U	
CYCLOHEXANE		1.7		
DICHLORODIFLUOROMETHANE		2.9		
ETHYLBENZENE		1.6		
HEXACHLOROBUTADIENE		3.7	U	
HEXANE		16.9		
ISOPROPANOL		4.2	U	
ISOPROPYLBENZENE		4.2	U	
M+P-XYLENES		6.8		
METHYL ACETATE		2.6	U	
METHYL CYCLOHEXANE		1.4	U	
METHYL TERT-BUTYL ETHER		6.2	U	
METHYLENE CHLORIDE		103	J+	A
O-XYLENE		2.6		
PENTAFLUOROETHYL CHLORIDE		5.4	UR	CE
STYRENE		1.5	U	
TETRACHLOROETHENE		43.2		
TOLUENE		9.7		
TRANS-1,2-DICHLOROETHENE		1.4	U	
TRANS-1,3-DICHLOROPROPENE		1.5	U	
TRICHLOROETHENE		14.8		
TRICHLOROFLUOROMETHANE		1.9		
VINYL CHLORIDE		0.44	U	

Appendix B

Results as Reported by the Laboratory

ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-C1*_20160308		Lab ID: 10341033001		Collected: 03/08/16 15:40		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/18/16 21:00	75-37-6		
Acetone	6.4	ug/m3	4.4	1.83		03/18/16 21:00	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/18/16 21:00	107-05-1		
Benzene	ND	ug/m3	0.59	1.83		03/18/16 21:00	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/18/16 21:00	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/18/16 21:00	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/18/16 21:00	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/18/16 21:00	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/18/16 21:00	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/18/16 21:00	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/18/16 21:00	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/18/16 21:00	108-90-7		
Chlorodifluoromethane	4.0	ug/m3	1.3	1.83		03/18/16 21:00	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/18/16 21:00	75-00-3		
Chloroform	ND	ug/m3	0.91	1.83		03/18/16 21:00	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/18/16 21:00	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/18/16 21:00	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/18/16 21:00	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/18/16 21:00	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/18/16 21:00	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/18/16 21:00	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:00	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:00	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:00	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.8	1.83		03/18/16 21:00	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/18/16 21:00	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/18/16 21:00	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:00	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:00	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:00	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/18/16 21:00	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/18/16 21:00	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/18/16 21:00	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/18/16 21:00	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/18/16 21:00	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/24/16 13:24	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/18/16 21:00	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/18/16 21:00	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		03/18/16 21:00	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/18/16 21:00	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/18/16 21:00	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/18/16 21:00	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/18/16 21:00	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/18/16 21:00	108-87-2		
Methylene Chloride	6.6	ug/m3	6.5	1.83		03/18/16 21:00	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/18/16 21:00	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/18/16 21:00	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-C1*_20160308		Lab ID: 10341033001		Collected: 03/08/16 15:40		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	4.8	ug/m3	4.6	1.83		03/24/16 13:24	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/18/16 21:00	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/18/16 21:00	79-34-5		
Tetrachloroethene	11.4	ug/m3	1.3	1.83		03/18/16 21:00	127-18-4		
Toluene	ND	ug/m3	1.4	1.83		03/18/16 21:00	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/24/16 13:24	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/18/16 21:00	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/18/16 21:00	79-00-5		
Trichloroethene	111	ug/m3	1.0	1.83		03/18/16 21:00	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/18/16 21:00	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/18/16 21:00	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/18/16 21:00	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/18/16 21:00	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/18/16 21:00	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/18/16 21:00	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/18/16 21:00	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-C20*_20160308		Lab ID: 10341033002		Collected: 03/08/16 16:30		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/18/16 21:27	75-37-6		
Acetone	10.2	ug/m3	4.4	1.83		03/18/16 21:27	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/18/16 21:27	107-05-1		
Benzene	ND	ug/m3	0.59	1.83		03/18/16 21:27	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/18/16 21:27	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/18/16 21:27	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/18/16 21:27	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/18/16 21:27	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/18/16 21:27	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/18/16 21:27	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/18/16 21:27	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/18/16 21:27	108-90-7		
Chlorodifluoromethane	2.3	ug/m3	1.3	1.83		03/18/16 21:27	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/18/16 21:27	75-00-3		
Chloroform	1.0	ug/m3	0.91	1.83		03/18/16 21:27	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/18/16 21:27	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/18/16 21:27	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/18/16 21:27	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/18/16 21:27	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/18/16 21:27	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/18/16 21:27	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:27	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:27	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:27	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.83		03/18/16 21:27	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/18/16 21:27	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/18/16 21:27	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:27	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:27	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:27	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/18/16 21:27	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/18/16 21:27	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/18/16 21:27	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/18/16 21:27	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/18/16 21:27	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/24/16 12:55	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/18/16 21:27	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/18/16 21:27	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		03/18/16 21:27	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/18/16 21:27	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/18/16 21:27	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/18/16 21:27	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/18/16 21:27	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/18/16 21:27	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/18/16 21:27	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/18/16 21:27	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/18/16 21:27	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-C20*_20160308		Lab ID: 10341033002		Collected: 03/08/16 16:30		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	ND	ug/m3	4.6	1.83		03/24/16 12:55	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/18/16 21:27	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/18/16 21:27	79-34-5		
Tetrachloroethene	786	ug/m3	1.3	1.83		03/18/16 21:27	127-18-4	E	
Toluene	ND	ug/m3	1.4	1.83		03/18/16 21:27	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/24/16 12:55	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/18/16 21:27	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/18/16 21:27	79-00-5		
Trichloroethene	3.4	ug/m3	1.0	1.83		03/18/16 21:27	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/18/16 21:27	75-69-4		
1,1,2-Trichlorotrifluoroethane	158	ug/m3	2.9	1.83		03/18/16 21:27	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/18/16 21:27	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/18/16 21:27	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/18/16 21:27	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/18/16 21:27	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/18/16 21:27	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-D7*_20160308		Lab ID: 10341033003	Collected: 03/08/16 15:52		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	5.9	ug/m3	2.5	1.83		03/18/16 21:54	75-37-6	
Acetone	4.7	ug/m3	4.4	1.83		03/18/16 21:54	67-64-1	
Allyl chloride	ND	ug/m3	2.9	1.83		03/18/16 21:54	107-05-1	
Benzene	ND	ug/m3	0.59	1.83		03/18/16 21:54	71-43-2	
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/18/16 21:54	75-27-4	
Bromoform	ND	ug/m3	9.6	1.83		03/18/16 21:54	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.83		03/18/16 21:54	74-83-9	
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/18/16 21:54	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/18/16 21:54	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.83		03/18/16 21:54	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/18/16 21:54	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.83		03/18/16 21:54	108-90-7	
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/18/16 21:54	75-45-6	
Chloroethane	ND	ug/m3	0.99	1.83		03/18/16 21:54	75-00-3	
Chloroform	13.4	ug/m3	0.91	1.83		03/18/16 21:54	67-66-3	
Chloromethane	ND	ug/m3	0.77	1.83		03/18/16 21:54	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/18/16 21:54	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.3	1.83		03/18/16 21:54	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/18/16 21:54	96-12-8	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/18/16 21:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/18/16 21:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 21:54	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.8	1.83		03/18/16 21:54	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/18/16 21:54	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/18/16 21:54	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 21:54	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/18/16 21:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/18/16 21:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/18/16 21:54	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/18/16 21:54	76-14-2	
Freon 123	ND	ug/m3	5.8	1.83		03/18/16 21:54	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/24/16 12:28	123-91-1	
Ethylbenzene	ND	ug/m3	1.6	1.83		03/18/16 21:54	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/18/16 21:54	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		03/18/16 21:54	87-68-3	
n-Hexane	ND	ug/m3	1.3	1.83		03/18/16 21:54	110-54-3	
2-Hexanone	ND	ug/m3	7.6	1.83		03/18/16 21:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/18/16 21:54	98-82-8	
Methyl acetate	ND	ug/m3	2.8	1.83		03/18/16 21:54	79-20-9	
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/18/16 21:54	108-87-2	
Methylene Chloride	ND	ug/m3	6.5	1.83		03/18/16 21:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/18/16 21:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/18/16 21:54	1634-04-4	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-D7*_20160308		Lab ID: 10341033003		Collected: 03/08/16 15:52		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	5.2	ug/m3	4.6	1.83		03/24/16 12:28	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/18/16 21:54	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/18/16 21:54	79-34-5		
Tetrachloroethene	19.9	ug/m3	1.3	1.83		03/18/16 21:54	127-18-4		
Toluene	ND	ug/m3	1.4	1.83		03/18/16 21:54	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/24/16 12:28	120-82-1		
1,1,1-Trichloroethane	4.6	ug/m3	2.0	1.83		03/18/16 21:54	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/18/16 21:54	79-00-5		
Trichloroethene	91.1	ug/m3	1.0	1.83		03/18/16 21:54	79-01-6		
Trichlorofluoromethane	3.0	ug/m3	2.1	1.83		03/18/16 21:54	75-69-4		
1,1,2-Trichlorotrifluoroethane	8.9	ug/m3	2.9	1.83		03/18/16 21:54	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/18/16 21:54	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/18/16 21:54	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/18/16 21:54	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/18/16 21:54	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/18/16 21:54	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-E10*_20160308		Lab ID: 10341033004	Collected: 03/08/16 16:11	Received: 03/10/16 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	13.6	ug/m3	2.5	1.83		03/18/16 22:21	75-37-6	
Acetone	20.8	ug/m3	4.4	1.83		03/18/16 22:21	67-64-1	
Allyl chloride	ND	ug/m3	2.9	1.83		03/18/16 22:21	107-05-1	
Benzene	0.60	ug/m3	0.59	1.83		03/18/16 22:21	71-43-2	
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/18/16 22:21	75-27-4	
Bromoform	ND	ug/m3	9.6	1.83		03/18/16 22:21	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.83		03/18/16 22:21	74-83-9	
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/18/16 22:21	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/18/16 22:21	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.83		03/18/16 22:21	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/18/16 22:21	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.83		03/18/16 22:21	108-90-7	
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/18/16 22:21	75-45-6	
Chloroethane	ND	ug/m3	0.99	1.83		03/18/16 22:21	75-00-3	
Chloroform	22.2	ug/m3	0.91	1.83		03/18/16 22:21	67-66-3	
Chloromethane	ND	ug/m3	0.77	1.83		03/18/16 22:21	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/18/16 22:21	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.3	1.83		03/18/16 22:21	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/18/16 22:21	96-12-8	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/18/16 22:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/18/16 22:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 22:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 22:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/18/16 22:21	106-46-7	
Dichlorodifluoromethane	2.2	ug/m3	1.8	1.83		03/18/16 22:21	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/18/16 22:21	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/18/16 22:21	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 22:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 22:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/18/16 22:21	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/18/16 22:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/18/16 22:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/18/16 22:21	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/18/16 22:21	76-14-2	
Freon 123	ND	ug/m3	5.8	1.83		03/18/16 22:21	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/24/16 12:42	123-91-1	
Ethylbenzene	ND	ug/m3	1.6	1.83		03/18/16 22:21	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/18/16 22:21	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		03/18/16 22:21	87-68-3	
n-Hexane	ND	ug/m3	1.3	1.83		03/18/16 22:21	110-54-3	
2-Hexanone	ND	ug/m3	7.6	1.83		03/18/16 22:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/18/16 22:21	98-82-8	
Methyl acetate	ND	ug/m3	2.8	1.83		03/18/16 22:21	79-20-9	
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/18/16 22:21	108-87-2	
Methylene Chloride	ND	ug/m3	6.5	1.83		03/18/16 22:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/18/16 22:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/18/16 22:21	1634-04-4	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-E10*_20160308		Lab ID: 10341033004		Collected: 03/08/16 16:11		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	40.2	ug/m3	4.6	1.83		03/24/16 12:42	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/18/16 22:21	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/18/16 22:21	79-34-5		
Tetrachloroethene	14.8	ug/m3	1.3	1.83		03/18/16 22:21	127-18-4		
Toluene	1.6	ug/m3	1.4	1.83		03/18/16 22:21	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/24/16 12:42	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/18/16 22:21	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/18/16 22:21	79-00-5		
Trichloroethene	26.0	ug/m3	1.0	1.83		03/18/16 22:21	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/18/16 22:21	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/18/16 22:21	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/18/16 22:21	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/18/16 22:21	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/18/16 22:21	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/18/16 22:21	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/18/16 22:21	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-E16*_20160308		Lab ID: 10341033005		Collected: 03/08/16 16:39		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	9.5	ug/m3	2.4	1.75		03/18/16 22:48	75-37-6		
Acetone	89.5	ug/m3	4.2	1.75		03/18/16 22:48	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/18/16 22:48	107-05-1		
Benzene	1.1	ug/m3	0.57	1.75		03/18/16 22:48	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/18/16 22:48	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/18/16 22:48	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/18/16 22:48	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/18/16 22:48	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/18/16 22:48	78-93-3		
Carbon disulfide	3.1	ug/m3	1.1	1.75		03/18/16 22:48	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/18/16 22:48	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/18/16 22:48	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/18/16 22:48	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/18/16 22:48	75-00-3		
Chloroform	20.1	ug/m3	0.87	1.75		03/18/16 22:48	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/18/16 22:48	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/18/16 22:48	76-15-3	CL,IC,L2	
Cyclohexane	2.5	ug/m3	1.2	1.75		03/18/16 22:48	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/18/16 22:48	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/18/16 22:48	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/18/16 22:48	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/18/16 22:48	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/18/16 22:48	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/18/16 22:48	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.75		03/18/16 22:48	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/18/16 22:48	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/18/16 22:48	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/18/16 22:48	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/18/16 22:48	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/18/16 22:48	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/18/16 22:48	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/18/16 22:48	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/18/16 22:48	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/18/16 22:48	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/18/16 22:48	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/24/16 13:47	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/18/16 22:48	100-41-4		
4-Ethyltoluene	2.0	ug/m3	1.8	1.75		03/18/16 22:48	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/18/16 22:48	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/18/16 22:48	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/18/16 22:48	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/18/16 22:48	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/18/16 22:48	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/18/16 22:48	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/18/16 22:48	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/18/16 22:48	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/18/16 22:48	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-E16*_20160308		Lab ID: 10341033005		Collected: 03/08/16 16:39		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	25.9	ug/m3	4.4	1.75		03/24/16 13:47	67-63-0		
Styrene	2.5	ug/m3	1.5	1.75		03/18/16 22:48	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/18/16 22:48	79-34-5		
Tetrachloroethene	306	ug/m3	1.2	1.75		03/18/16 22:48	127-18-4		
Toluene	2.5	ug/m3	1.3	1.75		03/18/16 22:48	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.75		03/24/16 13:47	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/18/16 22:48	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/18/16 22:48	79-00-5		
Trichloroethene	0.96	ug/m3	0.96	1.75		03/18/16 22:48	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/18/16 22:48	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/18/16 22:48	76-13-1		
1,2,4-Trimethylbenzene	6.2	ug/m3	1.7	1.75		03/18/16 22:48	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/18/16 22:48	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/18/16 22:48	75-01-4		
m&p-Xylene	5.0	ug/m3	3.1	1.75		03/18/16 22:48	179601-23-1		
o-Xylene	3.1	ug/m3	1.5	1.75		03/18/16 22:48	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-G5*_20160308		Lab ID: 10341033006	Collected: 03/08/16 15:36	Received: 03/10/16 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	19.6	ug/m3	2.6	1.92		03/18/16 23:15	75-37-6	E
Acetone	38.8	ug/m3	4.6	1.92		03/18/16 23:15	67-64-1	
Allyl chloride	ND	ug/m3	3.1	1.92		03/18/16 23:15	107-05-1	
Benzene	1.1	ug/m3	0.62	1.92		03/18/16 23:15	71-43-2	
Bromodichloromethane	ND	ug/m3	2.6	1.92		03/18/16 23:15	75-27-4	
Bromoform	ND	ug/m3	10.1	1.92		03/18/16 23:15	75-25-2	
Bromomethane	ND	ug/m3	1.5	1.92		03/18/16 23:15	74-83-9	
1,3-Butadiene	ND	ug/m3	0.86	1.92		03/18/16 23:15	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.8	1.92		03/18/16 23:15	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.92		03/18/16 23:15	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.2	1.92		03/18/16 23:15	56-23-5	
Chlorobenzene	ND	ug/m3	1.8	1.92		03/18/16 23:15	108-90-7	
Chlorodifluoromethane	ND	ug/m3	1.4	1.92		03/18/16 23:15	75-45-6	
Chloroethane	ND	ug/m3	1.0	1.92		03/18/16 23:15	75-00-3	
Chloroform	31.0	ug/m3	0.95	1.92		03/18/16 23:15	67-66-3	
Chloromethane	ND	ug/m3	0.81	1.92		03/18/16 23:15	74-87-3	
Chloropentafluoroethane	ND	ug/m3	6.2	1.92		03/18/16 23:15	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.3	1.92		03/18/16 23:15	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.4	1.92		03/18/16 23:15	96-12-8	
Dibromochloromethane	ND	ug/m3	3.3	1.92		03/18/16 23:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		03/18/16 23:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/18/16 23:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/18/16 23:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/18/16 23:15	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	1.9	1.92		03/18/16 23:15	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.6	1.92		03/18/16 23:15	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.79	1.92		03/18/16 23:15	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.6	1.92		03/18/16 23:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/18/16 23:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/18/16 23:15	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		03/18/16 23:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/18/16 23:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/18/16 23:15	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.92		03/18/16 23:15	76-14-2	
Freon 123	ND	ug/m3	6.1	1.92		03/18/16 23:15	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.0	1.92		03/24/16 14:19	123-91-1	
Ethylbenzene	ND	ug/m3	1.7	1.92		03/18/16 23:15	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.9	1.92		03/18/16 23:15	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	4.2	1.92		03/18/16 23:15	87-68-3	
n-Hexane	ND	ug/m3	1.4	1.92		03/18/16 23:15	110-54-3	
2-Hexanone	ND	ug/m3	8.0	1.92		03/18/16 23:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.8	1.92		03/18/16 23:15	98-82-8	
Methyl acetate	ND	ug/m3	3.0	1.92		03/18/16 23:15	79-20-9	
Methylcyclohexane	ND	ug/m3	1.6	1.92		03/18/16 23:15	108-87-2	
Methylene Chloride	ND	ug/m3	6.8	1.92		03/18/16 23:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.0	1.92		03/18/16 23:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.92		03/18/16 23:15	1634-04-4	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-G5*_20160308		Lab ID: 10341033006		Collected: 03/08/16 15:36		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	130	ug/m3	4.8	1.92		03/24/16 14:19	67-63-0		
Styrene	ND	ug/m3	1.7	1.92		03/18/16 23:15	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		03/18/16 23:15	79-34-5		
Tetrachloroethene	ND	ug/m3	1.3	1.92		03/18/16 23:15	127-18-4		
Toluene	2.7	ug/m3	1.5	1.92		03/18/16 23:15	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	7.2	1.92		03/24/16 14:19	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.92		03/18/16 23:15	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.92		03/18/16 23:15	79-00-5		
Trichloroethene	ND	ug/m3	1.1	1.92		03/18/16 23:15	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.2	1.92		03/18/16 23:15	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	1.92		03/18/16 23:15	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/18/16 23:15	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/18/16 23:15	108-67-8		
Vinyl chloride	ND	ug/m3	0.50	1.92		03/18/16 23:15	75-01-4		
m&p-Xylene	ND	ug/m3	3.4	1.92		03/18/16 23:15	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.92		03/18/16 23:15	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-H21*_20160308		Lab ID: 10341033007		Collected: 03/08/16 17:16		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.0	1.49		03/18/16 23:42	75-37-6	CL,IC,L2	
Acetone	14.5	ug/m3	3.6	1.49		03/18/16 23:42	67-64-1		
Allyl chloride	ND	ug/m3	2.4	1.49		03/18/16 23:42	107-05-1		
Benzene	0.50	ug/m3	0.48	1.49		03/18/16 23:42	71-43-2		
Bromodichloromethane	ND	ug/m3	2.0	1.49		03/18/16 23:42	75-27-4		
Bromoform	ND	ug/m3	7.8	1.49		03/18/16 23:42	75-25-2		
Bromomethane	ND	ug/m3	1.2	1.49		03/18/16 23:42	74-83-9		
1,3-Butadiene	ND	ug/m3	0.67	1.49		03/18/16 23:42	106-99-0		
2-Butanone (MEK)	5.8	ug/m3	4.5	1.49		03/18/16 23:42	78-93-3		
Carbon disulfide	1.7	ug/m3	0.94	1.49		03/18/16 23:42	75-15-0		
Carbon tetrachloride	ND	ug/m3	0.95	1.49		03/18/16 23:42	56-23-5		
Chlorobenzene	ND	ug/m3	1.4	1.49		03/18/16 23:42	108-90-7		
Chlorodifluoromethane	12.1	ug/m3	1.1	1.49		03/18/16 23:42	75-45-6		
Chloroethane	ND	ug/m3	0.80	1.49		03/18/16 23:42	75-00-3		
Chloroform	2.1	ug/m3	0.74	1.49		03/18/16 23:42	67-66-3		
Chloromethane	ND	ug/m3	0.63	1.49		03/18/16 23:42	74-87-3		
Chloropentafluoroethane	ND	ug/m3	4.8	1.49		03/18/16 23:42	76-15-3		
Cyclohexane	1.6	ug/m3	1.0	1.49		03/18/16 23:42	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	7.3	1.49		03/18/16 23:42	96-12-8		
Dibromochloromethane	ND	ug/m3	2.6	1.49		03/18/16 23:42	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.3	1.49		03/18/16 23:42	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	1.8	1.49		03/18/16 23:42	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	1.8	1.49		03/18/16 23:42	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	1.8	1.49		03/18/16 23:42	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.5	1.49		03/18/16 23:42	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.2	1.49		03/18/16 23:42	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.61	1.49		03/18/16 23:42	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.2	1.49		03/18/16 23:42	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		03/18/16 23:42	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		03/18/16 23:42	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.4	1.49		03/18/16 23:42	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.4	1.49		03/18/16 23:42	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.4	1.49		03/18/16 23:42	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.1	1.49		03/18/16 23:42	76-14-2		
Freon 123	ND	ug/m3	4.7	1.49		03/18/16 23:42	306-83-2		
1,4-Dioxane (p-Dioxane)	ND	ug/m3	5.5	1.49		03/24/16 13:52	123-91-1		
Ethylbenzene	ND	ug/m3	1.3	1.49		03/18/16 23:42	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.5	1.49		03/18/16 23:42	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.3	1.49		03/18/16 23:42	87-68-3		
n-Hexane	8.8	ug/m3	1.1	1.49		03/18/16 23:42	110-54-3		
2-Hexanone	ND	ug/m3	6.2	1.49		03/18/16 23:42	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	3.7	1.49		03/18/16 23:42	98-82-8		
Methyl acetate	ND	ug/m3	2.3	1.49		03/18/16 23:42	79-20-9		
Methylcyclohexane	ND	ug/m3	1.2	1.49		03/18/16 23:42	108-87-2		
Methylene Chloride	30.7	ug/m3	5.3	1.49		03/18/16 23:42	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	6.2	1.49		03/18/16 23:42	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	5.5	1.49		03/18/16 23:42	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-H21*_20160308		Lab ID: 10341033007		Collected: 03/08/16 17:16		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit		DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	8.7	ug/m3	3.7	1.49			03/24/16 13:52	67-63-0	
Styrene	ND	ug/m3	1.3	1.49			03/18/16 23:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.0	1.49			03/18/16 23:42	79-34-5	
Tetrachloroethene	86.9	ug/m3	1.0	1.49			03/18/16 23:42	127-18-4	
Toluene	13.7	ug/m3	1.1	1.49			03/18/16 23:42	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.6	1.49			03/24/16 13:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.49			03/18/16 23:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.82	1.49			03/18/16 23:42	79-00-5	
Trichloroethene	1.2	ug/m3	0.82	1.49			03/18/16 23:42	79-01-6	
Trichlorofluoromethane	2.3	ug/m3	1.7	1.49			03/18/16 23:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	29.4	ug/m3	2.4	1.49			03/18/16 23:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.5	1.49			03/18/16 23:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	1.49			03/18/16 23:42	108-67-8	
Vinyl chloride	ND	ug/m3	0.39	1.49			03/18/16 23:42	75-01-4	
m&p-Xylene	ND	ug/m3	2.6	1.49			03/18/16 23:42	179601-23-1	
o-Xylene	ND	ug/m3	1.3	1.49			03/18/16 23:42	95-47-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-Prop1_20160308		Lab ID: 10341033008		Collected: 03/08/16 15:54		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	7.1	ug/m3	2.8	2.01		03/19/16 00:10	75-37-6		
Acetone	266	ug/m3	4.9	2.01		03/19/16 00:10	67-64-1		
Allyl chloride	ND	ug/m3	3.2	2.01		03/19/16 00:10	107-05-1		
Benzene	1.1	ug/m3	0.65	2.01		03/19/16 00:10	71-43-2		
Bromodichloromethane	ND	ug/m3	2.7	2.01		03/19/16 00:10	75-27-4		
Bromoform	ND	ug/m3	10.6	2.01		03/19/16 00:10	75-25-2		
Bromomethane	ND	ug/m3	1.6	2.01		03/19/16 00:10	74-83-9		
1,3-Butadiene	ND	ug/m3	0.90	2.01		03/19/16 00:10	106-99-0		
2-Butanone (MEK)	ND	ug/m3	6.0	2.01		03/19/16 00:10	78-93-3		
Carbon disulfide	ND	ug/m3	1.3	2.01		03/19/16 00:10	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.3	2.01		03/19/16 00:10	56-23-5		
Chlorobenzene	ND	ug/m3	1.9	2.01		03/19/16 00:10	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.4	2.01		03/19/16 00:10	75-45-6		
Chloroethane	ND	ug/m3	1.1	2.01		03/19/16 00:10	75-00-3		
Chloroform	26.6	ug/m3	1.0	2.01		03/19/16 00:10	67-66-3		
Chloromethane	ND	ug/m3	0.84	2.01		03/19/16 00:10	74-87-3		
Chloropentafluoroethane	ND	ug/m3	6.5	2.01		03/19/16 00:10	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.4	2.01		03/19/16 00:10	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.9	2.01		03/19/16 00:10	96-12-8		
Dibromochloromethane	ND	ug/m3	3.5	2.01		03/19/16 00:10	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.1	2.01		03/19/16 00:10	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/19/16 00:10	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/19/16 00:10	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.5	2.01		03/19/16 00:10	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	2.0	2.01		03/19/16 00:10	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	2.01		03/19/16 00:10	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.82	2.01		03/19/16 00:10	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.6	2.01		03/19/16 00:10	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.6	2.01		03/19/16 00:10	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.6	2.01		03/19/16 00:10	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.9	2.01		03/19/16 00:10	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.8	2.01		03/19/16 00:10	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.8	2.01		03/19/16 00:10	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.9	2.01		03/19/16 00:10	76-14-2		
Freon 123	ND	ug/m3	6.4	2.01		03/19/16 00:10	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.4	2.01		03/24/16 15:15	123-91-1		
Ethylbenzene	ND	ug/m3	1.8	2.01		03/19/16 00:10	100-41-4		
4-Ethyltoluene	ND	ug/m3	2.0	2.01		03/19/16 00:10	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	4.4	2.01		03/19/16 00:10	87-68-3		
n-Hexane	ND	ug/m3	1.4	2.01		03/19/16 00:10	110-54-3		
2-Hexanone	ND	ug/m3	8.4	2.01		03/19/16 00:10	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	5.0	2.01		03/19/16 00:10	98-82-8		
Methyl acetate	ND	ug/m3	3.1	2.01		03/19/16 00:10	79-20-9		
Methylcyclohexane	ND	ug/m3	1.6	2.01		03/19/16 00:10	108-87-2		
Methylene Chloride	ND	ug/m3	7.1	2.01		03/19/16 00:10	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.4	2.01		03/19/16 00:10	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.4	2.01		03/19/16 00:10	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-Prop1_20160308		Lab ID: 10341033008		Collected: 03/08/16 15:54		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	87.3	ug/m3	5.0	2.01		03/24/16 15:15	67-63-0		
Styrene	ND	ug/m3	1.7	2.01		03/19/16 00:10	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.4	2.01		03/19/16 00:10	79-34-5		
Tetrachloroethene	242	ug/m3	1.4	2.01		03/19/16 00:10	127-18-4		
Toluene	3.0	ug/m3	1.5	2.01		03/19/16 00:10	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	7.6	2.01		03/24/16 15:15	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.2	2.01		03/19/16 00:10	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.1	2.01		03/19/16 00:10	79-00-5		
Trichloroethene	6.5	ug/m3	1.1	2.01		03/19/16 00:10	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.3	2.01		03/19/16 00:10	75-69-4		
1,1,2-Trichlorotrifluoroethane	6.1	ug/m3	3.2	2.01		03/19/16 00:10	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	2.0	2.01		03/19/16 00:10	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	2.0	2.01		03/19/16 00:10	108-67-8		
Vinyl chloride	ND	ug/m3	0.52	2.01		03/19/16 00:10	75-01-4		
m&p-Xylene	ND	ug/m3	3.6	2.01		03/19/16 00:10	179601-23-1		
o-Xylene	ND	ug/m3	1.8	2.01		03/19/16 00:10	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-Prop2_20160308		Lab ID: 10341033009		Collected: 03/08/16 16:50		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	7.0	ug/m3	2.5	1.83		03/19/16 00:37	75-37-6		
Acetone	68.9	ug/m3	4.4	1.83		03/19/16 00:37	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 00:37	107-05-1		
Benzene	0.96	ug/m3	0.59	1.83		03/19/16 00:37	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 00:37	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 00:37	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 00:37	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 00:37	106-99-0		
2-Butanone (MEK)	5.6	ug/m3	5.5	1.83		03/19/16 00:37	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 00:37	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 00:37	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 00:37	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 00:37	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 00:37	75-00-3		
Chloroform	15.5	ug/m3	0.91	1.83		03/19/16 00:37	67-66-3		
Chloromethane	0.90	ug/m3	0.77	1.83		03/19/16 00:37	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 00:37	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/19/16 00:37	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 00:37	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 00:37	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 00:37	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 00:37	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 00:37	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 00:37	106-46-7		
Dichlorodifluoromethane	1.9	ug/m3	1.8	1.83		03/19/16 00:37	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 00:37	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 00:37	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 00:37	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 00:37	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 00:37	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 00:37	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 00:37	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 00:37	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 00:37	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 00:37	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/24/16 12:00	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 00:37	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/19/16 00:37	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		03/19/16 00:37	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/19/16 00:37	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 00:37	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 00:37	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 00:37	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 00:37	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 00:37	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 00:37	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 00:37	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-Prop2_20160308		Lab ID: 10341033009		Collected: 03/08/16 16:50		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	109	ug/m3	4.6	1.83		03/24/16 12:00	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/19/16 00:37	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 00:37	79-34-5		
Tetrachloroethene	3.6	ug/m3	1.3	1.83		03/19/16 00:37	127-18-4		
Toluene	4.9	ug/m3	1.4	1.83		03/19/16 00:37	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/24/16 12:00	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 00:37	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 00:37	79-00-5		
Trichloroethene	2.0	ug/m3	1.0	1.83		03/19/16 00:37	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 00:37	75-69-4		
1,1,2-Trichlorotrifluoroethane	21.7	ug/m3	2.9	1.83		03/19/16 00:37	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/19/16 00:37	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/19/16 00:37	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 00:37	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 00:37	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 00:37	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-Prop3_20160308		Lab ID: 10341033010		Collected: 03/08/16 16:18		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.6	1.92		03/19/16 01:04	75-37-6		
Acetone	44.5	ug/m3	4.6	1.92		03/19/16 01:04	67-64-1		
Allyl chloride	ND	ug/m3	3.1	1.92		03/19/16 01:04	107-05-1		
Benzene	ND	ug/m3	0.62	1.92		03/19/16 01:04	71-43-2		
Bromodichloromethane	ND	ug/m3	2.6	1.92		03/19/16 01:04	75-27-4		
Bromoform	ND	ug/m3	10.1	1.92		03/19/16 01:04	75-25-2		
Bromomethane	ND	ug/m3	1.5	1.92		03/19/16 01:04	74-83-9		
1,3-Butadiene	ND	ug/m3	0.86	1.92		03/19/16 01:04	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.8	1.92		03/19/16 01:04	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.92		03/19/16 01:04	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.92		03/19/16 01:04	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.92		03/19/16 01:04	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.4	1.92		03/19/16 01:04	75-45-6		
Chloroethane	ND	ug/m3	1.0	1.92		03/19/16 01:04	75-00-3		
Chloroform	124	ug/m3	0.95	1.92		03/19/16 01:04	67-66-3		
Chloromethane	ND	ug/m3	0.81	1.92		03/19/16 01:04	74-87-3		
Chloropentafluoroethane	ND	ug/m3	6.2	1.92		03/19/16 01:04	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.92		03/19/16 01:04	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.4	1.92		03/19/16 01:04	96-12-8		
Dibromochloromethane	ND	ug/m3	3.3	1.92		03/19/16 01:04	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		03/19/16 01:04	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/19/16 01:04	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/19/16 01:04	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/19/16 01:04	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.9	1.92		03/19/16 01:04	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	1.92		03/19/16 01:04	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.79	1.92		03/19/16 01:04	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.6	1.92		03/19/16 01:04	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/19/16 01:04	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/19/16 01:04	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		03/19/16 01:04	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/19/16 01:04	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/19/16 01:04	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.92		03/19/16 01:04	76-14-2		
Freon 123	ND	ug/m3	6.1	1.92		03/19/16 01:04	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.0	1.92		03/24/16 15:41	123-91-1		
Ethylbenzene	ND	ug/m3	1.7	1.92		03/19/16 01:04	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.9	1.92		03/19/16 01:04	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	4.2	1.92		03/19/16 01:04	87-68-3		
n-Hexane	ND	ug/m3	1.4	1.92		03/19/16 01:04	110-54-3		
2-Hexanone	ND	ug/m3	8.0	1.92		03/19/16 01:04	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.8	1.92		03/19/16 01:04	98-82-8		
Methyl acetate	ND	ug/m3	3.0	1.92		03/19/16 01:04	79-20-9		
Methylcyclohexane	ND	ug/m3	1.6	1.92		03/19/16 01:04	108-87-2		
Methylene Chloride	ND	ug/m3	6.8	1.92		03/19/16 01:04	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.0	1.92		03/19/16 01:04	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.92		03/19/16 01:04	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-Prop3_20160308		Lab ID: 10341033010		Collected: 03/08/16 16:18		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	22.5	ug/m3	4.8	1.92		03/24/16 15:41	67-63-0		
Styrene	ND	ug/m3	1.7	1.92		03/19/16 01:04	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		03/19/16 01:04	79-34-5		
Tetrachloroethene	105	ug/m3	1.3	1.92		03/19/16 01:04	127-18-4		
Toluene	1.8	ug/m3	1.5	1.92		03/19/16 01:04	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	7.2	1.92		03/24/16 15:41	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.92		03/19/16 01:04	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.92		03/19/16 01:04	79-00-5		
Trichloroethene	5.7	ug/m3	1.1	1.92		03/19/16 01:04	79-01-6		
Trichlorofluoromethane	2.6	ug/m3	2.2	1.92		03/19/16 01:04	75-69-4		
1,1,2-Trichlorotrifluoroethane	34.3	ug/m3	3.1	1.92		03/19/16 01:04	76-13-1		
1,2,4-Trimethylbenzene	3.3	ug/m3	1.9	1.92		03/19/16 01:04	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.9	1.92		03/19/16 01:04	108-67-8		
Vinyl chloride	ND	ug/m3	0.50	1.92		03/19/16 01:04	75-01-4		
m&p-Xylene	ND	ug/m3	3.4	1.92		03/19/16 01:04	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.92		03/19/16 01:04	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-Prop4_20160308		Lab ID: 10341033011		Collected: 03/08/16 16:45		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	18.6	ug/m3	2.3	1.68		03/19/16 01:31	75-37-6	E	
Acetone	29.1	ug/m3	4.1	1.68		03/19/16 01:31	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/19/16 01:31	107-05-1		
Benzene	1.3	ug/m3	0.55	1.68		03/19/16 01:31	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/19/16 01:31	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/19/16 01:31	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/19/16 01:31	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/19/16 01:31	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/19/16 01:31	78-93-3		
Carbon disulfide	2.0	ug/m3	1.1	1.68		03/19/16 01:31	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/19/16 01:31	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/19/16 01:31	108-90-7		
Chlorodifluoromethane	45.9	ug/m3	1.2	1.68		03/19/16 01:31	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/19/16 01:31	75-00-3		
Chloroform	4.7	ug/m3	0.83	1.68		03/19/16 01:31	67-66-3		
Chloromethane	1.2	ug/m3	0.71	1.68		03/19/16 01:31	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/19/16 01:31	76-15-3	CL,IC,L2	
Cyclohexane	1.7	ug/m3	1.2	1.68		03/19/16 01:31	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/19/16 01:31	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/19/16 01:31	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/19/16 01:31	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/19/16 01:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/19/16 01:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/19/16 01:31	106-46-7		
Dichlorodifluoromethane	2.9	ug/m3	1.7	1.68		03/19/16 01:31	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/19/16 01:31	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/19/16 01:31	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/19/16 01:31	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/19/16 01:31	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/19/16 01:31	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/19/16 01:31	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/19/16 01:31	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/19/16 01:31	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/19/16 01:31	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/19/16 01:31	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/24/16 15:47	123-91-1		
Ethylbenzene	1.6	ug/m3	1.5	1.68		03/19/16 01:31	100-41-4		
4-Ethyltoluene	1.7	ug/m3	1.7	1.68		03/19/16 01:31	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/19/16 01:31	87-68-3		
n-Hexane	16.9	ug/m3	1.2	1.68		03/19/16 01:31	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/19/16 01:31	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/19/16 01:31	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/19/16 01:31	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/19/16 01:31	108-87-2		
Methylene Chloride	103	ug/m3	5.9	1.68		03/19/16 01:31	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/19/16 01:31	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/19/16 01:31	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-Prop4_20160308		Lab ID: 10341033011		Collected: 03/08/16 16:45		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	ND	ug/m3	4.2	1.68		03/24/16 15:47	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/19/16 01:31	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/19/16 01:31	79-34-5		
Tetrachloroethene	43.2	ug/m3	1.2	1.68		03/19/16 01:31	127-18-4		
Toluene	9.7	ug/m3	1.3	1.68		03/19/16 01:31	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		03/24/16 15:47	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/19/16 01:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/19/16 01:31	79-00-5		
Trichloroethene	14.8	ug/m3	0.92	1.68		03/19/16 01:31	79-01-6		
Trichlorofluoromethane	1.9	ug/m3	1.9	1.68		03/19/16 01:31	75-69-4		
1,1,2-Trichlorotrifluoroethane	4.9	ug/m3	2.7	1.68		03/19/16 01:31	76-13-1		
1,2,4-Trimethylbenzene	6.3	ug/m3	1.7	1.68		03/19/16 01:31	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/19/16 01:31	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/19/16 01:31	75-01-4		
m&p-Xylene	6.8	ug/m3	3.0	1.68		03/19/16 01:31	179601-23-1		
o-Xylene	2.6	ug/m3	1.5	1.68		03/19/16 01:31	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-12_20160308		Lab ID: 10341033012	Collected: 03/08/16 17:08	Received: 03/10/16 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	3.4	ug/m3	2.5	1.83		03/19/16 01:58	75-37-6	
Acetone	686	ug/m3	4.4	1.83		03/19/16 01:58	67-64-1	
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 01:58	107-05-1	
Benzene	ND	ug/m3	0.59	1.83		03/19/16 01:58	71-43-2	
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 01:58	75-27-4	
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 01:58	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 01:58	74-83-9	
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 01:58	106-99-0	
2-Butanone (MEK)	244	ug/m3	5.5	1.83		03/19/16 01:58	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 01:58	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 01:58	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 01:58	108-90-7	
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 01:58	75-45-6	
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 01:58	75-00-3	
Chloroform	36.4	ug/m3	0.91	1.83		03/19/16 01:58	67-66-3	
Chloromethane	ND	ug/m3	0.77	1.83		03/19/16 01:58	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 01:58	76-15-3	CL,IC,L2
Cyclohexane	1.9	ug/m3	1.3	1.83		03/19/16 01:58	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 01:58	96-12-8	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 01:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 01:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 01:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 01:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 01:58	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.83		03/19/16 01:58	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 01:58	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 01:58	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 01:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 01:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 01:58	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 01:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 01:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 01:58	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 01:58	76-14-2	
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 01:58	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/24/16 15:14	123-91-1	
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 01:58	100-41-4	
4-Ethyltoluene	2.4	ug/m3	1.8	1.83		03/19/16 01:58	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		03/19/16 01:58	87-68-3	
n-Hexane	26.4	ug/m3	1.3	1.83		03/19/16 01:58	110-54-3	
2-Hexanone	9.2	ug/m3	7.6	1.83		03/19/16 01:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 01:58	98-82-8	
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 01:58	79-20-9	
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 01:58	108-87-2	
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 01:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	139	ug/m3	7.6	1.83		03/19/16 01:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 01:58	1634-04-4	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-12_20160308		Lab ID: 10341033012		Collected: 03/08/16 17:08		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	72.2	ug/m3	4.6	1.83		03/24/16 15:14	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/19/16 01:58	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 01:58	79-34-5		
Tetrachloroethene	8.6	ug/m3	1.3	1.83		03/19/16 01:58	127-18-4		
Toluene	1.5	ug/m3	1.4	1.83		03/19/16 01:58	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/24/16 15:14	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 01:58	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 01:58	79-00-5		
Trichloroethene	4.6	ug/m3	1.0	1.83		03/19/16 01:58	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 01:58	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 01:58	76-13-1		
1,2,4-Trimethylbenzene	11.8	ug/m3	1.8	1.83		03/19/16 01:58	95-63-6		
1,3,5-Trimethylbenzene	2.6	ug/m3	1.8	1.83		03/19/16 01:58	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 01:58	75-01-4		
m&p-Xylene	5.4	ug/m3	3.2	1.83		03/19/16 01:58	179601-23-1		
o-Xylene	2.2	ug/m3	1.6	1.83		03/19/16 01:58	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-C1_20160308		Lab ID: 10341033013		Collected: 03/08/16 15:40		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	20.9	ug/m3	2.3	1.68		03/19/16 02:25	75-37-6	E	
Acetone	31.9	ug/m3	4.1	1.68		03/19/16 02:25	67-64-1		
Allyl chloride	ND	ug/m3	2.7	1.68		03/19/16 02:25	107-05-1		
Benzene	1.1	ug/m3	0.55	1.68		03/19/16 02:25	71-43-2		
Bromodichloromethane	ND	ug/m3	2.3	1.68		03/19/16 02:25	75-27-4		
Bromoform	ND	ug/m3	8.8	1.68		03/19/16 02:25	75-25-2		
Bromomethane	ND	ug/m3	1.3	1.68		03/19/16 02:25	74-83-9		
1,3-Butadiene	ND	ug/m3	0.76	1.68		03/19/16 02:25	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.0	1.68		03/19/16 02:25	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.68		03/19/16 02:25	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.68		03/19/16 02:25	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.68		03/19/16 02:25	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.2	1.68		03/19/16 02:25	75-45-6		
Chloroethane	ND	ug/m3	0.91	1.68		03/19/16 02:25	75-00-3		
Chloroform	31.2	ug/m3	0.83	1.68		03/19/16 02:25	67-66-3		
Chloromethane	ND	ug/m3	0.71	1.68		03/19/16 02:25	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/19/16 02:25	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.68		03/19/16 02:25	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/19/16 02:25	96-12-8		
Dibromochloromethane	ND	ug/m3	2.9	1.68		03/19/16 02:25	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		03/19/16 02:25	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/19/16 02:25	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/19/16 02:25	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		03/19/16 02:25	106-46-7		
Dichlorodifluoromethane	3.2	ug/m3	1.7	1.68		03/19/16 02:25	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		03/19/16 02:25	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		03/19/16 02:25	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		03/19/16 02:25	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/19/16 02:25	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		03/19/16 02:25	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		03/19/16 02:25	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/19/16 02:25	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		03/19/16 02:25	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		03/19/16 02:25	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/19/16 02:25	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.1	1.68		03/24/16 12:13	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.68		03/19/16 02:25	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.7	1.68		03/19/16 02:25	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		03/19/16 02:25	87-68-3		
n-Hexane	1.7	ug/m3	1.2	1.68		03/19/16 02:25	110-54-3		
2-Hexanone	ND	ug/m3	7.0	1.68		03/19/16 02:25	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.2	1.68		03/19/16 02:25	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/19/16 02:25	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.68		03/19/16 02:25	108-87-2		
Methylene Chloride	ND	ug/m3	5.9	1.68		03/19/16 02:25	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.0	1.68		03/19/16 02:25	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.2	1.68		03/19/16 02:25	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-C1_20160308		Lab ID: 10341033013		Collected: 03/08/16 15:40		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	98.7	ug/m3	4.2	1.68		03/24/16 12:13	67-63-0		
Styrene	ND	ug/m3	1.5	1.68		03/19/16 02:25	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		03/19/16 02:25	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.68		03/19/16 02:25	127-18-4		
Toluene	2.6	ug/m3	1.3	1.68		03/19/16 02:25	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.3	1.68		03/24/16 12:13	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		03/19/16 02:25	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		03/19/16 02:25	79-00-5		
Trichloroethene	ND	ug/m3	0.92	1.68		03/19/16 02:25	79-01-6		
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		03/19/16 02:25	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.7	1.68		03/19/16 02:25	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/19/16 02:25	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		03/19/16 02:25	108-67-8		
Vinyl chloride	ND	ug/m3	0.44	1.68		03/19/16 02:25	75-01-4		
m&p-Xylene	5.7	ug/m3	3.0	1.68		03/19/16 02:25	179601-23-1		
o-Xylene	2.2	ug/m3	1.5	1.68		03/19/16 02:25	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-C20_20160308		Lab ID: 10341033014		Collected: 03/08/16 14:58		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	10.4	ug/m3	2.5	1.83		03/19/16 02:52	75-37-6		
Acetone	27.8	ug/m3	4.4	1.83		03/19/16 02:52	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 02:52	107-05-1		
Benzene	1.2	ug/m3	0.59	1.83		03/19/16 02:52	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 02:52	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 02:52	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 02:52	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 02:52	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/19/16 02:52	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 02:52	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 02:52	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 02:52	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 02:52	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 02:52	75-00-3		
Chloroform	23.6	ug/m3	0.91	1.83		03/19/16 02:52	67-66-3		
Chloromethane	1.3	ug/m3	0.77	1.83		03/19/16 02:52	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 02:52	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/19/16 02:52	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 02:52	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 02:52	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 02:52	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 02:52	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 02:52	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 02:52	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.83		03/19/16 02:52	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 02:52	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 02:52	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 02:52	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 02:52	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 02:52	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 02:52	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 02:52	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 02:52	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 02:52	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 02:52	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/24/16 14:16	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 02:52	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/19/16 02:52	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		03/19/16 02:52	87-68-3		
n-Hexane	2.0	ug/m3	1.3	1.83		03/19/16 02:52	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 02:52	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 02:52	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 02:52	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 02:52	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 02:52	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 02:52	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 02:52	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-C20_20160308		Lab ID: 10341033014		Collected: 03/08/16 14:58		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	117	ug/m3	4.6	1.83		03/24/16 14:16	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/19/16 02:52	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 02:52	79-34-5		
Tetrachloroethene	4.2	ug/m3	1.3	1.83		03/19/16 02:52	127-18-4		
Toluene	2.8	ug/m3	1.4	1.83		03/19/16 02:52	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/24/16 14:16	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 02:52	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 02:52	79-00-5		
Trichloroethene	1.3	ug/m3	1.0	1.83		03/19/16 02:52	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 02:52	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 02:52	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/19/16 02:52	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/19/16 02:52	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 02:52	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 02:52	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 02:52	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-D7_20160308		Lab ID: 10341033015		Collected: 03/08/16 14:37		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	24.5	ug/m3	2.4	1.75		03/23/16 07:19	75-37-6		
Acetone	46.4	ug/m3	4.2	1.75		03/23/16 12:59	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/23/16 12:59	107-05-1		
Benzene	ND	ug/m3	1.1	1.75		03/23/16 12:59	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/23/16 12:59	75-27-4		
Bromoform	ND	ug/m3	3.7	1.75		03/23/16 12:59	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/23/16 12:59	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/23/16 12:59	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/23/16 12:59	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/23/16 12:59	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/23/16 12:59	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/23/16 12:59	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/23/16 12:59	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/23/16 12:59	75-00-3		
Chloroform	32.6	ug/m3	1.7	1.75		03/23/16 12:59	67-66-3		
Chloromethane	1.7	ug/m3	0.74	1.75		03/23/16 12:59	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/23/16 07:19	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.75		03/23/16 12:59	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/23/16 07:19	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/23/16 12:59	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/23/16 12:59	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/23/16 12:59	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/23/16 12:59	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/23/16 12:59	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.8	1.75		03/23/16 12:59	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/23/16 12:59	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/23/16 12:59	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/23/16 12:59	75-35-4		
cis-1,2-Dichloroethene	2.4	ug/m3	1.4	1.75		03/23/16 12:59	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/23/16 12:59	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/23/16 12:59	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/23/16 12:59	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/23/16 12:59	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/23/16 12:59	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/23/16 07:19	306-83-2	CL,L2, SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/23/16 12:59	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/23/16 12:59	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/23/16 12:59	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	19.0	1.75		03/23/16 12:59	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/23/16 12:59	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/23/16 12:59	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/23/16 12:59	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/23/16 07:19	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/23/16 12:59	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/23/16 12:59	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/23/16 12:59	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-D7_20160308		Lab ID: 10341033015		Collected: 03/08/16 14:37		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/23/16 12:59	1634-04-4		
2-Propanol	121	ug/m3	4.4	1.75		03/23/16 12:59	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/23/16 12:59	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/23/16 12:59	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/23/16 12:59	127-18-4		
Toluene	4.1	ug/m3	1.3	1.75		03/23/16 12:59	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	13.2	1.75		03/23/16 12:59	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/23/16 12:59	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/23/16 12:59	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		03/23/16 12:59	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/23/16 12:59	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/23/16 12:59	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/23/16 12:59	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/23/16 12:59	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/23/16 12:59	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/23/16 12:59	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/23/16 12:59	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-E10_20160308		Lab ID: 10341033016		Collected: 03/08/16 14:16		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	21.8	ug/m3	2.3	1.68		03/23/16 07:46	75-37-6		
Acetone	52.0	ug/m3	5.4	2.25		03/23/16 13:31	67-64-1		
Allyl chloride	ND	ug/m3	3.6	2.25		03/23/16 13:31	107-05-1		
Benzene	ND	ug/m3	1.5	2.25		03/23/16 13:31	71-43-2		
Bromodichloromethane	ND	ug/m3	3.1	2.25		03/23/16 13:31	75-27-4		
Bromoform	ND	ug/m3	4.7	2.25		03/23/16 13:31	75-25-2		
Bromomethane	ND	ug/m3	1.8	2.25		03/23/16 13:31	74-83-9		
1,3-Butadiene	ND	ug/m3	1.0	2.25		03/23/16 13:31	106-99-0		
2-Butanone (MEK)	ND	ug/m3	6.8	2.25		03/23/16 13:31	78-93-3		
Carbon disulfide	ND	ug/m3	1.4	2.25		03/23/16 13:31	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.4	2.25		03/23/16 13:31	56-23-5		
Chlorobenzene	ND	ug/m3	2.1	2.25		03/23/16 13:31	108-90-7		
Chlorodifluoromethane	43.1	ug/m3	1.6	2.25		03/23/16 13:31	75-45-6		
Chloroethane	ND	ug/m3	1.2	2.25		03/23/16 13:31	75-00-3		
Chloroform	30.9	ug/m3	2.2	2.25		03/23/16 13:31	67-66-3		
Chloromethane	1.9	ug/m3	0.94	2.25		03/23/16 13:31	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.4	1.68		03/23/16 07:46	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.6	2.25		03/23/16 13:31	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.2	1.68		03/23/16 07:46	96-12-8		
Dibromochloromethane	ND	ug/m3	3.9	2.25		03/23/16 13:31	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.5	2.25		03/23/16 13:31	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.7	2.25		03/23/16 13:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.7	2.25		03/23/16 13:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.7	2.25		03/23/16 13:31	106-46-7		
Dichlorodifluoromethane	2.6	ug/m3	2.3	2.25		03/23/16 13:31	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.8	2.25		03/23/16 13:31	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.92	2.25		03/23/16 13:31	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.8	2.25		03/23/16 13:31	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.8	2.25		03/23/16 13:31	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.8	2.25		03/23/16 13:31	156-60-5		
1,2-Dichloropropane	ND	ug/m3	2.1	2.25		03/23/16 13:31	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	2.1	2.25		03/23/16 13:31	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	2.1	2.25		03/23/16 13:31	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	3.2	2.25		03/23/16 13:31	76-14-2		
Freon 123	ND	ug/m3	5.3	1.68		03/23/16 07:46	306-83-2	CL,L2, SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	8.2	2.25		03/23/16 13:31	123-91-1		
Ethylbenzene	ND	ug/m3	2.0	2.25		03/23/16 13:31	100-41-4		
4-Ethyltoluene	ND	ug/m3	2.2	2.25		03/23/16 13:31	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	24.4	2.25		03/23/16 13:31	87-68-3		
n-Hexane	3.0	ug/m3	1.6	2.25		03/23/16 13:31	110-54-3		
2-Hexanone	ND	ug/m3	9.4	2.25		03/23/16 13:31	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	5.6	2.25		03/23/16 13:31	98-82-8		
Methyl acetate	ND	ug/m3	2.6	1.68		03/23/16 07:46	79-20-9		
Methylcyclohexane	ND	ug/m3	1.8	2.25		03/23/16 13:31	108-87-2		
Methylene Chloride	16.3	ug/m3	7.9	2.25		03/23/16 13:31	75-09-2		
4-Methyl-2-pentanone (MIBK)	14.0	ug/m3	9.4	2.25		03/23/16 13:31	108-10-1		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-E10_20160308		Lab ID: 10341033016		Collected: 03/08/16 14:16		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
Methyl-tert-butyl ether	ND	ug/m3	8.2	2.25		03/23/16 13:31	1634-04-4		
2-Propanol	141	ug/m3	5.6	2.25		03/23/16 13:31	67-63-0		
Styrene	ND	ug/m3	2.0	2.25		03/23/16 13:31	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.6	2.25		03/23/16 13:31	79-34-5		
Tetrachloroethene	ND	ug/m3	1.6	2.25		03/23/16 13:31	127-18-4		
Toluene	12.7	ug/m3	1.7	2.25		03/23/16 13:31	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	17.0	2.25		03/23/16 13:31	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.5	2.25		03/23/16 13:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.2	2.25		03/23/16 13:31	79-00-5		
Trichloroethene	ND	ug/m3	1.2	2.25		03/23/16 13:31	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.6	2.25		03/23/16 13:31	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.6	2.25		03/23/16 13:31	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	2.2	2.25		03/23/16 13:31	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	2.2	2.25		03/23/16 13:31	108-67-8		
Vinyl chloride	ND	ug/m3	0.58	2.25		03/23/16 13:31	75-01-4		
m&p-Xylene	ND	ug/m3	4.0	2.25		03/23/16 13:31	179601-23-1		
o-Xylene	ND	ug/m3	2.0	2.25		03/23/16 13:31	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-E16_20160308		Lab ID: 10341033017		Collected: 03/08/16 13:20		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	10.2	ug/m3	2.4	1.75		03/19/16 04:14	75-37-6		
Acetone	37.7	ug/m3	4.2	1.75		03/19/16 04:14	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/19/16 04:14	107-05-1		
Benzene	1.1	ug/m3	0.57	1.75		03/19/16 04:14	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/19/16 04:14	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/19/16 04:14	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/19/16 04:14	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/19/16 04:14	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/19/16 04:14	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/19/16 04:14	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/19/16 04:14	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/19/16 04:14	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/19/16 04:14	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/19/16 04:14	75-00-3		
Chloroform	24.4	ug/m3	0.87	1.75		03/19/16 04:14	67-66-3		
Chloromethane	1.4	ug/m3	0.74	1.75		03/19/16 04:14	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/19/16 04:14	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.75		03/19/16 04:14	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/19/16 04:14	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/19/16 04:14	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/19/16 04:14	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 04:14	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 04:14	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 04:14	106-46-7		
Dichlorodifluoromethane	2.6	ug/m3	1.8	1.75		03/19/16 04:14	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/19/16 04:14	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/19/16 04:14	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 04:14	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 04:14	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 04:14	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/19/16 04:14	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 04:14	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 04:14	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/19/16 04:14	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/19/16 04:14	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/24/16 14:46	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/19/16 04:14	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/19/16 04:14	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/19/16 04:14	87-68-3		
n-Hexane	1.9	ug/m3	1.3	1.75		03/19/16 04:14	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/19/16 04:14	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/19/16 04:14	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/19/16 04:14	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/19/16 04:14	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/19/16 04:14	75-09-2		
4-Methyl-2-pentanone (MIBK)	7.9	ug/m3	7.3	1.75		03/19/16 04:14	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/19/16 04:14	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-E16_20160308		Lab ID: 10341033017		Collected: 03/08/16 13:20		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	118	ug/m3	4.4	1.75		03/24/16 14:46	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/19/16 04:14	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/19/16 04:14	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/19/16 04:14	127-18-4		
Toluene	7.9	ug/m3	1.3	1.75		03/19/16 04:14	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.75		03/24/16 14:46	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/19/16 04:14	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/19/16 04:14	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		03/19/16 04:14	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/19/16 04:14	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/19/16 04:14	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/19/16 04:14	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/19/16 04:14	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/19/16 04:14	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/19/16 04:14	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/19/16 04:14	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-G5_20160308		Lab ID: 10341033018		Collected: 03/08/16 14:31		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	19.8	ug/m3	2.5	1.83		03/19/16 04:41	75-37-6	E	
Acetone	39.3	ug/m3	4.4	1.83		03/19/16 04:41	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 04:41	107-05-1		
Benzene	1.1	ug/m3	0.59	1.83		03/19/16 04:41	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 04:41	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 04:41	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 04:41	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 04:41	106-99-0		
2-Butanone (MEK)	11.0	ug/m3	5.5	1.83		03/19/16 04:41	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 04:41	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 04:41	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 04:41	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 04:41	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 04:41	75-00-3		
Chloroform	32.5	ug/m3	0.91	1.83		03/19/16 04:41	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/19/16 04:41	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 04:41	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/19/16 04:41	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 04:41	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 04:41	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 04:41	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 04:41	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 04:41	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 04:41	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.83		03/19/16 04:41	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 04:41	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 04:41	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 04:41	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 04:41	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 04:41	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 04:41	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 04:41	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 04:41	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 04:41	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 04:41	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/24/16 13:15	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 04:41	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.83		03/19/16 04:41	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	4.0	1.83		03/19/16 04:41	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/19/16 04:41	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 04:41	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 04:41	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 04:41	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 04:41	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 04:41	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 04:41	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 04:41	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-G5_20160308		Lab ID: 10341033018		Collected: 03/08/16 14:31		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	121	ug/m3	4.6	1.83		03/24/16 13:15	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/19/16 04:41	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 04:41	79-34-5		
Tetrachloroethene	ND	ug/m3	1.3	1.83		03/19/16 04:41	127-18-4		
Toluene	3.5	ug/m3	1.4	1.83		03/19/16 04:41	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/24/16 13:15	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 04:41	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 04:41	79-00-5		
Trichloroethene	ND	ug/m3	1.0	1.83		03/19/16 04:41	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 04:41	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 04:41	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/19/16 04:41	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.8	1.83		03/19/16 04:41	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 04:41	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 04:41	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 04:41	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-H21_20160308		Lab ID: 10341033019		Collected: 03/08/16 15:04		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	10.1	ug/m3	2.4	1.75		03/19/16 05:09	75-37-6		
Acetone	35.1	ug/m3	4.2	1.75		03/19/16 05:09	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/19/16 05:09	107-05-1		
Benzene	1.1	ug/m3	0.57	1.75		03/19/16 05:09	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/19/16 05:09	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/19/16 05:09	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/19/16 05:09	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/19/16 05:09	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/19/16 05:09	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/19/16 05:09	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/19/16 05:09	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/19/16 05:09	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/19/16 05:09	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/19/16 05:09	75-00-3		
Chloroform	20.5	ug/m3	0.87	1.75		03/19/16 05:09	67-66-3		
Chloromethane	1.2	ug/m3	0.74	1.75		03/19/16 05:09	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/19/16 05:09	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.75		03/19/16 05:09	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/19/16 05:09	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/19/16 05:09	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/19/16 05:09	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 05:09	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 05:09	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 05:09	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.75		03/19/16 05:09	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/19/16 05:09	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/19/16 05:09	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 05:09	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 05:09	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 05:09	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/19/16 05:09	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 05:09	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 05:09	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/19/16 05:09	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/19/16 05:09	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/24/16 14:47	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/19/16 05:09	100-41-4		
4-Ethyltoluene	ND	ug/m3	1.8	1.75		03/19/16 05:09	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	3.8	1.75		03/19/16 05:09	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.75		03/19/16 05:09	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/19/16 05:09	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/19/16 05:09	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/19/16 05:09	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/19/16 05:09	108-87-2		
Methylene Chloride	ND	ug/m3	6.2	1.75		03/19/16 05:09	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/19/16 05:09	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/19/16 05:09	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-H21_20160308		Lab ID: 10341033019		Collected: 03/08/16 15:04		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	134	ug/m3	4.4	1.75		03/24/16 14:47	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/19/16 05:09	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/19/16 05:09	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/19/16 05:09	127-18-4		
Toluene	2.2	ug/m3	1.3	1.75		03/19/16 05:09	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.75		03/24/16 14:47	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/19/16 05:09	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/19/16 05:09	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		03/19/16 05:09	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/19/16 05:09	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/19/16 05:09	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/19/16 05:09	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.75		03/19/16 05:09	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/19/16 05:09	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/19/16 05:09	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/19/16 05:09	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop1_20160308		Lab ID: 10341033020		Collected: 03/08/16 14:45		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	12.6	ug/m3	2.5	1.83		03/19/16 16:50	75-37-6		
Acetone	36.5	ug/m3	4.4	1.83		03/19/16 16:50	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 16:50	107-05-1		
Benzene	1.0	ug/m3	0.59	1.83		03/19/16 16:50	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 16:50	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 16:50	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 16:50	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 16:50	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/19/16 16:50	78-93-3		
Carbon disulfide	2.1	ug/m3	1.2	1.83		03/19/16 16:50	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 16:50	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 16:50	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 16:50	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 16:50	75-00-3		
Chloroform	31.1	ug/m3	0.91	1.83		03/19/16 16:50	67-66-3		
Chloromethane	1.4	ug/m3	0.77	1.83		03/19/16 16:50	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 16:50	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/19/16 16:50	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 16:50	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 16:50	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 16:50	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 16:50	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 16:50	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 16:50	106-46-7		
Dichlorodifluoromethane	ND	ug/m3	1.8	1.83		03/19/16 16:50	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 16:50	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 16:50	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 16:50	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 16:50	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 16:50	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 16:50	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 16:50	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 16:50	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 16:50	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 16:50	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/19/16 16:50	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 16:50	100-41-4		
4-Ethyltoluene	ND	ug/m3	4.6	1.83		03/19/16 16:50	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	9.9	1.83		03/19/16 16:50	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/19/16 16:50	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 16:50	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 16:50	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 16:50	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 16:50	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 16:50	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 16:50	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 16:50	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop1_20160308		Lab ID: 10341033020		Collected: 03/08/16 14:45		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	123	ug/m3	4.6	1.83		03/19/16 16:50	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/19/16 16:50	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 16:50	79-34-5		
Tetrachloroethene	ND	ug/m3	1.3	1.83		03/19/16 16:50	127-18-4		
Toluene	2.4	ug/m3	1.4	1.83		03/19/16 16:50	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/23/16 15:37	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 16:50	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 16:50	79-00-5		
Trichloroethene	ND	ug/m3	1.0	1.83		03/19/16 16:50	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 16:50	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 16:50	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 16:50	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 16:50	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 16:50	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 16:50	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 16:50	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop2_20160308		Lab ID: 10341033021	Collected: 03/08/16 15:03		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	9.9	ug/m3	2.4	1.75		03/19/16 17:43	75-37-6	
Acetone	32.8	ug/m3	4.2	1.75		03/19/16 17:43	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75		03/19/16 17:43	107-05-1	
Benzene	0.99	ug/m3	0.57	1.75		03/19/16 17:43	71-43-2	
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/19/16 17:43	75-27-4	
Bromoform	ND	ug/m3	9.2	1.75		03/19/16 17:43	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75		03/19/16 17:43	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/19/16 17:43	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/19/16 17:43	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.75		03/19/16 17:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/19/16 17:43	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		03/19/16 17:43	108-90-7	
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/19/16 17:43	75-45-6	
Chloroethane	ND	ug/m3	0.94	1.75		03/19/16 17:43	75-00-3	
Chloroform	21.7	ug/m3	0.87	1.75		03/19/16 17:43	67-66-3	
Chloromethane	1.2	ug/m3	0.74	1.75		03/19/16 17:43	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/19/16 17:43	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.2	1.75		03/19/16 17:43	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/19/16 17:43	96-12-8	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/19/16 17:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/19/16 17:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 17:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 17:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 17:43	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.75		03/19/16 17:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/19/16 17:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/19/16 17:43	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 17:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 17:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 17:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/19/16 17:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 17:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 17:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/19/16 17:43	76-14-2	
Freon 123	ND	ug/m3	5.6	1.75		03/19/16 17:43	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/19/16 17:43	123-91-1	
Ethylbenzene	ND	ug/m3	1.5	1.75		03/19/16 17:43	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.4	1.75		03/19/16 17:43	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	9.5	1.75		03/19/16 17:43	87-68-3	
n-Hexane	2.6	ug/m3	1.3	1.75		03/19/16 17:43	110-54-3	
2-Hexanone	ND	ug/m3	7.3	1.75		03/19/16 17:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/19/16 17:43	98-82-8	
Methyl acetate	ND	ug/m3	2.7	1.75		03/19/16 17:43	79-20-9	
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/19/16 17:43	108-87-2	
Methylene Chloride	ND	ug/m3	6.2	1.75		03/19/16 17:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/19/16 17:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/19/16 17:43	1634-04-4	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop2_20160308		Lab ID: 10341033021		Collected: 03/08/16 15:03		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	113	ug/m3	4.4	1.75		03/19/16 17:43	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/19/16 17:43	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/19/16 17:43	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/19/16 17:43	127-18-4		
Toluene	2.0	ug/m3	1.3	1.75		03/19/16 17:43	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.75		03/23/16 16:38	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/19/16 17:43	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/19/16 17:43	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		03/19/16 17:43	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/19/16 17:43	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/19/16 17:43	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.4	1.75		03/19/16 17:43	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.4	1.75		03/19/16 17:43	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/19/16 17:43	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/19/16 17:43	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/19/16 17:43	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop3_20160308		Lab ID: 10341033022	Collected: 03/08/16 14:55		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	12.6	ug/m3	2.5	1.83		03/19/16 18:10	75-37-6	
Acetone	34.1	ug/m3	4.4	1.83		03/19/16 18:10	67-64-1	
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 18:10	107-05-1	
Benzene	1.1	ug/m3	0.59	1.83		03/19/16 18:10	71-43-2	
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 18:10	75-27-4	
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 18:10	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 18:10	74-83-9	
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 18:10	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/19/16 18:10	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 18:10	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 18:10	56-23-5	
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 18:10	108-90-7	
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 18:10	75-45-6	
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 18:10	75-00-3	
Chloroform	25.9	ug/m3	0.91	1.83		03/19/16 18:10	67-66-3	
Chloromethane	1.4	ug/m3	0.77	1.83		03/19/16 18:10	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 18:10	76-15-3	CL,IC,L2
Cyclohexane	ND	ug/m3	1.3	1.83		03/19/16 18:10	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 18:10	96-12-8	
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 18:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 18:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 18:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 18:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 18:10	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.83		03/19/16 18:10	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 18:10	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 18:10	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 18:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 18:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 18:10	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 18:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 18:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 18:10	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 18:10	76-14-2	
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 18:10	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/19/16 18:10	123-91-1	
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 18:10	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.6	1.83		03/19/16 18:10	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	9.9	1.83		03/19/16 18:10	87-68-3	
n-Hexane	2.0	ug/m3	1.3	1.83		03/19/16 18:10	110-54-3	
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 18:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 18:10	98-82-8	
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 18:10	79-20-9	
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 18:10	108-87-2	
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 18:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 18:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 18:10	1634-04-4	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop3_20160308		Lab ID: 10341033022	Collected: 03/08/16 14:55		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
2-Propanol	126	ug/m3	4.6	1.83		03/19/16 18:10	67-63-0	
Styrene	ND	ug/m3	1.6	1.83		03/19/16 18:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 18:10	79-34-5	
Tetrachloroethene	ND	ug/m3	1.3	1.83		03/19/16 18:10	127-18-4	
Toluene	3.0	ug/m3	1.4	1.83		03/19/16 18:10	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/23/16 17:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 18:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 18:10	79-00-5	
Trichloroethene	ND	ug/m3	1.0	1.83		03/19/16 18:10	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 18:10	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 18:10	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 18:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 18:10	108-67-8	
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 18:10	75-01-4	
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 18:10	179601-23-1	
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 18:10	95-47-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop4_20160308		Lab ID: 10341033023		Collected: 03/08/16 14:21		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	16.8	ug/m3	2.4	1.75		03/19/16 18:37	75-37-6		
Acetone	37.1	ug/m3	4.2	1.75		03/19/16 18:37	67-64-1		
Allyl chloride	ND	ug/m3	2.8	1.75		03/19/16 18:37	107-05-1		
Benzene	1.1	ug/m3	0.57	1.75		03/19/16 18:37	71-43-2		
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/19/16 18:37	75-27-4		
Bromoform	ND	ug/m3	9.2	1.75		03/19/16 18:37	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.75		03/19/16 18:37	74-83-9		
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/19/16 18:37	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/19/16 18:37	78-93-3		
Carbon disulfide	ND	ug/m3	1.1	1.75		03/19/16 18:37	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/19/16 18:37	56-23-5		
Chlorobenzene	ND	ug/m3	1.6	1.75		03/19/16 18:37	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/19/16 18:37	75-45-6		
Chloroethane	ND	ug/m3	0.94	1.75		03/19/16 18:37	75-00-3		
Chloroform	29.1	ug/m3	0.87	1.75		03/19/16 18:37	67-66-3		
Chloromethane	ND	ug/m3	0.74	1.75		03/19/16 18:37	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/19/16 18:37	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.2	1.75		03/19/16 18:37	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/19/16 18:37	96-12-8		
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/19/16 18:37	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/19/16 18:37	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 18:37	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 18:37	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 18:37	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.75		03/19/16 18:37	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/19/16 18:37	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/19/16 18:37	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 18:37	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 18:37	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 18:37	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/19/16 18:37	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 18:37	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 18:37	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/19/16 18:37	76-14-2		
Freon 123	ND	ug/m3	5.6	1.75		03/19/16 18:37	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/19/16 18:37	123-91-1		
Ethylbenzene	ND	ug/m3	1.5	1.75		03/19/16 18:37	100-41-4		
4-Ethyltoluene	ND	ug/m3	4.4	1.75		03/19/16 18:37	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	9.5	1.75		03/19/16 18:37	87-68-3		
n-Hexane	2.2	ug/m3	1.3	1.75		03/19/16 18:37	110-54-3		
2-Hexanone	ND	ug/m3	7.3	1.75		03/19/16 18:37	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/19/16 18:37	98-82-8		
Methyl acetate	ND	ug/m3	2.7	1.75		03/19/16 18:37	79-20-9		
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/19/16 18:37	108-87-2		
Methylene Chloride	10.2	ug/m3	6.2	1.75		03/19/16 18:37	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/19/16 18:37	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/19/16 18:37	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop4_20160308		Lab ID: 10341033023		Collected: 03/08/16 14:21		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	108	ug/m3	4.4	1.75		03/19/16 18:37	67-63-0		
Styrene	ND	ug/m3	1.5	1.75		03/19/16 18:37	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/19/16 18:37	79-34-5		
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/19/16 18:37	127-18-4		
Toluene	6.8	ug/m3	1.3	1.75		03/19/16 18:37	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.75		03/23/16 17:37	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/19/16 18:37	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/19/16 18:37	79-00-5		
Trichloroethene	ND	ug/m3	0.96	1.75		03/19/16 18:37	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/19/16 18:37	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/19/16 18:37	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.4	1.75		03/19/16 18:37	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.4	1.75		03/19/16 18:37	108-67-8		
Vinyl chloride	ND	ug/m3	0.46	1.75		03/19/16 18:37	75-01-4		
m&p-Xylene	ND	ug/m3	3.1	1.75		03/19/16 18:37	179601-23-1		
o-Xylene	ND	ug/m3	1.5	1.75		03/19/16 18:37	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-13_20160308		Lab ID: 10341033024		Collected: 03/08/16 17:22		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	13.6	ug/m3	2.6	1.92		03/19/16 19:04	75-37-6		
Acetone	32.4	ug/m3	4.6	1.92		03/19/16 19:04	67-64-1		
Allyl chloride	ND	ug/m3	3.1	1.92		03/19/16 19:04	107-05-1		
Benzene	0.78	ug/m3	0.62	1.92		03/19/16 19:04	71-43-2		
Bromodichloromethane	ND	ug/m3	2.6	1.92		03/19/16 19:04	75-27-4		
Bromoform	ND	ug/m3	10.1	1.92		03/19/16 19:04	75-25-2		
Bromomethane	ND	ug/m3	1.5	1.92		03/19/16 19:04	74-83-9		
1,3-Butadiene	ND	ug/m3	0.86	1.92		03/19/16 19:04	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.8	1.92		03/19/16 19:04	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.92		03/19/16 19:04	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.92		03/19/16 19:04	56-23-5		
Chlorobenzene	ND	ug/m3	1.8	1.92		03/19/16 19:04	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.4	1.92		03/19/16 19:04	75-45-6		
Chloroethane	ND	ug/m3	1.0	1.92		03/19/16 19:04	75-00-3		
Chloroform	34.7	ug/m3	0.95	1.92		03/19/16 19:04	67-66-3		
Chloromethane	1.3	ug/m3	0.81	1.92		03/19/16 19:04	74-87-3		
Chloropentafluoroethane	ND	ug/m3	6.2	1.92		03/19/16 19:04	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.92		03/19/16 19:04	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.4	1.92		03/19/16 19:04	96-12-8		
Dibromochloromethane	ND	ug/m3	3.3	1.92		03/19/16 19:04	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		03/19/16 19:04	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/19/16 19:04	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/19/16 19:04	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.92		03/19/16 19:04	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.9	1.92		03/19/16 19:04	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.6	1.92		03/19/16 19:04	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.79	1.92		03/19/16 19:04	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.6	1.92		03/19/16 19:04	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/19/16 19:04	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		03/19/16 19:04	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		03/19/16 19:04	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/19/16 19:04	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		03/19/16 19:04	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.92		03/19/16 19:04	76-14-2		
Freon 123	ND	ug/m3	6.1	1.92		03/19/16 19:04	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	7.0	1.92		03/19/16 19:04	123-91-1		
Ethylbenzene	ND	ug/m3	1.7	1.92		03/19/16 19:04	100-41-4		
4-Ethyltoluene	ND	ug/m3	4.8	1.92		03/19/16 19:04	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	10.4	1.92		03/19/16 19:04	87-68-3		
n-Hexane	2.1	ug/m3	1.4	1.92		03/19/16 19:04	110-54-3		
2-Hexanone	ND	ug/m3	8.0	1.92		03/19/16 19:04	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.8	1.92		03/19/16 19:04	98-82-8		
Methyl acetate	ND	ug/m3	3.0	1.92		03/19/16 19:04	79-20-9		
Methylcyclohexane	ND	ug/m3	1.6	1.92		03/19/16 19:04	108-87-2		
Methylene Chloride	ND	ug/m3	6.8	1.92		03/19/16 19:04	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	8.0	1.92		03/19/16 19:04	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	7.0	1.92		03/19/16 19:04	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-13_20160308		Lab ID: 10341033024		Collected: 03/08/16 17:22		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	98.2	ug/m3	4.8	1.92		03/19/16 19:04	67-63-0		
Styrene	ND	ug/m3	1.7	1.92		03/19/16 19:04	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		03/19/16 19:04	79-34-5		
Tetrachloroethene	ND	ug/m3	1.3	1.92		03/19/16 19:04	127-18-4		
Toluene	1.7	ug/m3	1.5	1.92		03/19/16 19:04	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	7.2	1.92		03/23/16 18:05	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.1	1.92		03/19/16 19:04	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.92		03/19/16 19:04	79-00-5		
Trichloroethene	ND	ug/m3	1.1	1.92		03/19/16 19:04	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.2	1.92		03/19/16 19:04	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	1.92		03/19/16 19:04	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.8	1.92		03/19/16 19:04	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.8	1.92		03/19/16 19:04	108-67-8		
Vinyl chloride	ND	ug/m3	0.50	1.92		03/19/16 19:04	75-01-4		
m&p-Xylene	ND	ug/m3	3.4	1.92		03/19/16 19:04	179601-23-1		
o-Xylene	ND	ug/m3	1.7	1.92		03/19/16 19:04	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-C1_20160308DUP		Lab ID: 10341033025		Collected: 03/08/16 15:40		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/19/16 19:31	75-37-6		
Acetone	9.9	ug/m3	4.4	1.83		03/19/16 19:31	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 19:31	107-05-1		
Benzene	ND	ug/m3	0.59	1.83		03/19/16 19:31	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 19:31	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 19:31	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 19:31	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 19:31	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/19/16 19:31	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 19:31	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 19:31	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 19:31	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 19:31	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 19:31	75-00-3		
Chloroform	ND	ug/m3	0.91	1.83		03/19/16 19:31	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/19/16 19:31	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 19:31	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/19/16 19:31	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 19:31	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 19:31	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 19:31	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 19:31	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 19:31	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 19:31	106-46-7		
Dichlorodifluoromethane	2.3	ug/m3	1.8	1.83		03/19/16 19:31	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 19:31	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 19:31	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 19:31	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 19:31	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 19:31	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 19:31	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 19:31	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 19:31	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 19:31	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 19:31	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/19/16 19:31	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 19:31	100-41-4		
4-Ethyltoluene	ND	ug/m3	4.6	1.83		03/19/16 19:31	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	9.9	1.83		03/19/16 19:31	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/19/16 19:31	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 19:31	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 19:31	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 19:31	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 19:31	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 19:31	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 19:31	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 19:31	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-C1_20160308DUP		Lab ID: 10341033025		Collected: 03/08/16 15:40		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	ND	ug/m3	4.6	1.83		03/19/16 19:31	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/19/16 19:31	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 19:31	79-34-5		
Tetrachloroethene	12.0	ug/m3	1.3	1.83		03/19/16 19:31	127-18-4		
Toluene	ND	ug/m3	1.4	1.83		03/19/16 19:31	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/23/16 18:35	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 19:31	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 19:31	79-00-5		
Trichloroethene	107	ug/m3	1.0	1.83		03/19/16 19:31	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 19:31	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 19:31	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 19:31	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 19:31	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 19:31	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 19:31	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 19:31	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-E10_20160308DUP		Lab ID: 10341033026		Collected: 03/08/16 16:11		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	8.2	ug/m3	2.5	1.83		03/19/16 19:58	75-37-6		
Acetone	14.5	ug/m3	4.4	1.83		03/19/16 19:58	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 19:58	107-05-1		
Benzene	ND	ug/m3	0.59	1.83		03/19/16 19:58	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 19:58	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 19:58	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 19:58	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 19:58	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/19/16 19:58	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 19:58	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 19:58	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 19:58	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 19:58	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 19:58	75-00-3		
Chloroform	15.8	ug/m3	0.91	1.83		03/19/16 19:58	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/19/16 19:58	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 19:58	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/19/16 19:58	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 19:58	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 19:58	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 19:58	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 19:58	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 19:58	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 19:58	106-46-7		
Dichlorodifluoromethane	2.2	ug/m3	1.8	1.83		03/19/16 19:58	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 19:58	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 19:58	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 19:58	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 19:58	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 19:58	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 19:58	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 19:58	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 19:58	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 19:58	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 19:58	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/19/16 19:58	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 19:58	100-41-4		
4-Ethyltoluene	ND	ug/m3	4.6	1.83		03/19/16 19:58	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	9.9	1.83		03/19/16 19:58	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/19/16 19:58	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 19:58	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 19:58	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 19:58	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 19:58	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 19:58	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 19:58	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 19:58	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: SS-E10_20160308DUP		Lab ID: 10341033026		Collected: 03/08/16 16:11		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	8.4	ug/m3	4.6	1.83		03/19/16 19:58	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/19/16 19:58	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 19:58	79-34-5		
Tetrachloroethene	22.7	ug/m3	1.3	1.83		03/19/16 19:58	127-18-4		
Toluene	ND	ug/m3	1.4	1.83		03/19/16 19:58	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/23/16 19:04	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 19:58	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 19:58	79-00-5		
Trichloroethene	38.0	ug/m3	1.0	1.83		03/19/16 19:58	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 19:58	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 19:58	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 19:58	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 19:58	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 19:58	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 19:58	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 19:58	95-47-6		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop1_20160308DUP		Lab ID: 10341033027		Collected: 03/08/16 14:45		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	10.8	ug/m3	2.5	1.83		03/19/16 20:25	75-37-6		
Acetone	31.5	ug/m3	4.4	1.83		03/19/16 20:25	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 20:25	107-05-1		
Benzene	0.91	ug/m3	0.59	1.83		03/19/16 20:25	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 20:25	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 20:25	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 20:25	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 20:25	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/19/16 20:25	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 20:25	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 20:25	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 20:25	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 20:25	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 20:25	75-00-3		
Chloroform	29.5	ug/m3	0.91	1.83		03/19/16 20:25	67-66-3		
Chloromethane	1.1	ug/m3	0.77	1.83		03/19/16 20:25	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 20:25	76-15-3	CL,IC,L2	
Cyclohexane	1.4	ug/m3	1.3	1.83		03/19/16 20:25	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 20:25	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 20:25	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 20:25	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 20:25	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 20:25	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 20:25	106-46-7		
Dichlorodifluoromethane	2.5	ug/m3	1.8	1.83		03/19/16 20:25	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 20:25	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 20:25	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 20:25	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 20:25	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 20:25	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 20:25	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 20:25	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 20:25	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 20:25	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 20:25	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/19/16 20:25	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 20:25	100-41-4		
4-Ethyltoluene	ND	ug/m3	4.6	1.83		03/19/16 20:25	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	9.9	1.83		03/19/16 20:25	87-68-3		
n-Hexane	1.6	ug/m3	1.3	1.83		03/19/16 20:25	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 20:25	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 20:25	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 20:25	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 20:25	108-87-2		
Methylene Chloride	ND	ug/m3	6.5	1.83		03/19/16 20:25	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 20:25	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 20:25	1634-04-4		

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-Prop1_20160308DUP		Lab ID: 10341033027	Collected: 03/08/16 14:45	Received: 03/10/16 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
2-Propanol	62.1	ug/m3	4.6	1.83		03/19/16 20:25	67-63-0	
Styrene	ND	ug/m3	1.6	1.83		03/19/16 20:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 20:25	79-34-5	
Tetrachloroethene	ND	ug/m3	1.3	1.83		03/19/16 20:25	127-18-4	
Toluene	2.2	ug/m3	1.4	1.83		03/19/16 20:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.9	1.83		03/23/16 19:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 20:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 20:25	79-00-5	
Trichloroethene	ND	ug/m3	1.0	1.83		03/19/16 20:25	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 20:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 20:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 20:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 20:25	108-67-8	
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 20:25	75-01-4	
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 20:25	179601-23-1	
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 20:25	95-47-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-C20_20160308DUP		Lab ID: 10341033028	Collected: 03/08/16 14:58	Received: 03/10/16 09:45	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1-Difluoroethane	19.2	ug/m3	2.4	1.75		03/19/16 21:14	75-37-6	
Acetone	127	ug/m3	4.2	1.75		03/19/16 21:14	67-64-1	
Allyl chloride	ND	ug/m3	2.8	1.75		03/19/16 21:14	107-05-1	
Benzene	1.3	ug/m3	0.57	1.75		03/19/16 21:14	71-43-2	
Bromodichloromethane	ND	ug/m3	2.4	1.75		03/19/16 21:14	75-27-4	
Bromoform	ND	ug/m3	9.2	1.75		03/19/16 21:14	75-25-2	
Bromomethane	ND	ug/m3	1.4	1.75		03/19/16 21:14	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	1.75		03/19/16 21:14	106-99-0	
2-Butanone (MEK)	ND	ug/m3	5.2	1.75		03/19/16 21:14	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.75		03/19/16 21:14	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.75		03/19/16 21:14	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.75		03/19/16 21:14	108-90-7	
Chlorodifluoromethane	ND	ug/m3	1.3	1.75		03/19/16 21:14	75-45-6	
Chloroethane	ND	ug/m3	0.94	1.75		03/19/16 21:14	75-00-3	
Chloroform	12.4	ug/m3	0.87	1.75		03/19/16 21:14	67-66-3	
Chloromethane	1.5	ug/m3	0.74	1.75		03/19/16 21:14	74-87-3	
Chloropentafluoroethane	ND	ug/m3	5.6	1.75		03/19/16 21:14	76-15-3	CL,IC,L2
Cyclohexane	1.3	ug/m3	1.2	1.75		03/19/16 21:14	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/m3	8.6	1.75		03/19/16 21:14	96-12-8	
Dibromochloromethane	ND	ug/m3	3.0	1.75		03/19/16 21:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.75		03/19/16 21:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 21:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 21:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	1.75		03/19/16 21:14	106-46-7	
Dichlorodifluoromethane	3.1	ug/m3	1.8	1.75		03/19/16 21:14	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		03/19/16 21:14	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	1.75		03/19/16 21:14	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 21:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 21:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		03/19/16 21:14	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.75		03/19/16 21:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 21:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.6	1.75		03/19/16 21:14	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	1.75		03/19/16 21:14	76-14-2	
Freon 123	ND	ug/m3	5.6	1.75		03/19/16 21:14	306-83-2	SS
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.4	1.75		03/19/16 21:14	123-91-1	
Ethylbenzene	ND	ug/m3	1.5	1.75		03/19/16 21:14	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.4	1.75		03/19/16 21:14	622-96-8	
Hexachloro-1,3-butadiene	ND	ug/m3	9.5	1.75		03/19/16 21:14	87-68-3	
n-Hexane	11.9	ug/m3	1.3	1.75		03/19/16 21:14	110-54-3	
2-Hexanone	ND	ug/m3	7.3	1.75		03/19/16 21:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/m3	4.4	1.75		03/19/16 21:14	98-82-8	
Methyl acetate	ND	ug/m3	2.7	1.75		03/19/16 21:14	79-20-9	
Methylcyclohexane	ND	ug/m3	1.4	1.75		03/19/16 21:14	108-87-2	
Methylene Chloride	626	ug/m3	8.3	2.35		03/23/16 20:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.3	1.75		03/19/16 21:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	6.4	1.75		03/19/16 21:14	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: IA-C20_20160308DUP		Lab ID: 10341033028	Collected: 03/08/16 14:58		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
2-Propanol	50.1	ug/m3	4.4	1.75		03/19/16 21:14	67-63-0	
Styrene	ND	ug/m3	1.5	1.75		03/19/16 21:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.75		03/19/16 21:14	79-34-5	
Tetrachloroethene	ND	ug/m3	1.2	1.75		03/19/16 21:14	127-18-4	
Toluene	8.3	ug/m3	1.3	1.75		03/19/16 21:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	8.9	2.35		03/23/16 20:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		03/19/16 21:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.96	1.75		03/19/16 21:14	79-00-5	
Trichloroethene	ND	ug/m3	0.96	1.75		03/19/16 21:14	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.0	1.75		03/19/16 21:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	1.75		03/19/16 21:14	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	4.4	1.75		03/19/16 21:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.4	1.75		03/19/16 21:14	108-67-8	
Vinyl chloride	ND	ug/m3	0.46	1.75		03/19/16 21:14	75-01-4	
m&p-Xylene	4.2	ug/m3	3.1	1.75		03/19/16 21:14	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.75		03/19/16 21:14	95-47-6	

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: AA_20160308		Lab ID: 10341033029		Collected: 03/08/16 15:28		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Difluoroethane	ND	ug/m3	2.5	1.83		03/19/16 22:08	75-37-6		
Acetone	11.5	ug/m3	4.4	1.83		03/19/16 22:08	67-64-1		
Allyl chloride	ND	ug/m3	2.9	1.83		03/19/16 22:08	107-05-1		
Benzene	0.72	ug/m3	0.59	1.83		03/19/16 22:08	71-43-2		
Bromodichloromethane	ND	ug/m3	2.5	1.83		03/19/16 22:08	75-27-4		
Bromoform	ND	ug/m3	9.6	1.83		03/19/16 22:08	75-25-2		
Bromomethane	ND	ug/m3	1.4	1.83		03/19/16 22:08	74-83-9		
1,3-Butadiene	ND	ug/m3	0.82	1.83		03/19/16 22:08	106-99-0		
2-Butanone (MEK)	ND	ug/m3	5.5	1.83		03/19/16 22:08	78-93-3		
Carbon disulfide	ND	ug/m3	1.2	1.83		03/19/16 22:08	75-15-0		
Carbon tetrachloride	ND	ug/m3	1.2	1.83		03/19/16 22:08	56-23-5		
Chlorobenzene	ND	ug/m3	1.7	1.83		03/19/16 22:08	108-90-7		
Chlorodifluoromethane	ND	ug/m3	1.3	1.83		03/19/16 22:08	75-45-6		
Chloroethane	ND	ug/m3	0.99	1.83		03/19/16 22:08	75-00-3		
Chloroform	ND	ug/m3	0.91	1.83		03/19/16 22:08	67-66-3		
Chloromethane	ND	ug/m3	0.77	1.83		03/19/16 22:08	74-87-3		
Chloropentafluoroethane	ND	ug/m3	5.9	1.83		03/19/16 22:08	76-15-3	CL,IC,L2	
Cyclohexane	ND	ug/m3	1.3	1.83		03/19/16 22:08	110-82-7		
1,2-Dibromo-3-chloropropane	ND	ug/m3	9.0	1.83		03/19/16 22:08	96-12-8		
Dibromochloromethane	ND	ug/m3	3.2	1.83		03/19/16 22:08	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/m3	2.9	1.83		03/19/16 22:08	106-93-4		
1,2-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 22:08	95-50-1		
1,3-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 22:08	541-73-1		
1,4-Dichlorobenzene	ND	ug/m3	2.2	1.83		03/19/16 22:08	106-46-7		
Dichlorodifluoromethane	2.4	ug/m3	1.8	1.83		03/19/16 22:08	75-71-8		
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		03/19/16 22:08	75-34-3		
1,2-Dichloroethane	ND	ug/m3	0.75	1.83		03/19/16 22:08	107-06-2		
1,1-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 22:08	75-35-4		
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 22:08	156-59-2		
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		03/19/16 22:08	156-60-5		
1,2-Dichloropropane	ND	ug/m3	1.7	1.83		03/19/16 22:08	78-87-5		
cis-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 22:08	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/m3	1.7	1.83		03/19/16 22:08	10061-02-6		
Dichlorotetrafluoroethane	ND	ug/m3	2.6	1.83		03/19/16 22:08	76-14-2		
Freon 123	ND	ug/m3	5.8	1.83		03/19/16 22:08	306-83-2	SS	
1,4-Dioxane (p-Dioxane)	ND	ug/m3	6.7	1.83		03/19/16 22:08	123-91-1		
Ethylbenzene	ND	ug/m3	1.6	1.83		03/19/16 22:08	100-41-4		
4-Ethyltoluene	ND	ug/m3	4.6	1.83		03/19/16 22:08	622-96-8		
Hexachloro-1,3-butadiene	ND	ug/m3	9.9	1.83		03/19/16 22:08	87-68-3		
n-Hexane	ND	ug/m3	1.3	1.83		03/19/16 22:08	110-54-3		
2-Hexanone	ND	ug/m3	7.6	1.83		03/19/16 22:08	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/m3	4.6	1.83		03/19/16 22:08	98-82-8		
Methyl acetate	ND	ug/m3	2.8	1.83		03/19/16 22:08	79-20-9		
Methylcyclohexane	ND	ug/m3	1.5	1.83		03/19/16 22:08	108-87-2		
Methylene Chloride	15.0	ug/m3	6.5	1.83		03/19/16 22:08	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	7.6	1.83		03/19/16 22:08	108-10-1		
Methyl-tert-butyl ether	ND	ug/m3	6.7	1.83		03/19/16 22:08	1634-04-4		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Sample: AA_20160308		Lab ID: 10341033029		Collected: 03/08/16 15:28		Received: 03/10/16 09:45		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
TO15 MSV AIR		Analytical Method: TO-15							
2-Propanol	ND	ug/m3	4.6	1.83		03/19/16 22:08	67-63-0		
Styrene	ND	ug/m3	1.6	1.83		03/19/16 22:08	100-42-5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.83		03/19/16 22:08	79-34-5		
Tetrachloroethene	ND	ug/m3	1.3	1.83		03/19/16 22:08	127-18-4		
Toluene	1.7	ug/m3	1.4	1.83		03/19/16 22:08	108-88-3		
1,2,4-Trichlorobenzene	ND	ug/m3	9.2	2.45		03/23/16 20:31	120-82-1		
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		03/19/16 22:08	71-55-6		
1,1,2-Trichloroethane	ND	ug/m3	1.0	1.83		03/19/16 22:08	79-00-5		
Trichloroethene	ND	ug/m3	1.0	1.83		03/19/16 22:08	79-01-6		
Trichlorofluoromethane	ND	ug/m3	2.1	1.83		03/19/16 22:08	75-69-4		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.9	1.83		03/19/16 22:08	76-13-1		
1,2,4-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 22:08	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.6	1.83		03/19/16 22:08	108-67-8		
Vinyl chloride	ND	ug/m3	0.48	1.83		03/19/16 22:08	75-01-4		
m&p-Xylene	ND	ug/m3	3.2	1.83		03/19/16 22:08	179601-23-1		
o-Xylene	ND	ug/m3	1.6	1.83		03/19/16 22:08	95-47-6		

REPORT OF LABORATORY ANALYSIS

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Appendix C

Support Documentation

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10341033

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
IA-C20_20160308	1,1-DIFLUOROETHANE	10.4	IA-C20_20160308DUP	1,1-DIFLUOROETHANE	19.2	59.46	8.8	2.5
	ACETONE	27.8		ACETONE	127	128.17	99.2	4.4
	BENZENE	1.2		BENZENE	1.3	8.00	0.1	0.59
	CHLOROFORM	23.6		CHLOROFORM	12.4	62.22	11.2	0.91
	CHLOROMETHANE	1.3		CHLOROMETHANE	1.5	14.29	0.2	0.77
	CYCLOHEXANE	1.3 U		CYCLOHEXANE	1.3	NA	0	1.3
	DICHLORODIFLUOROMETHANE	1.8 U		DICHLORODIFLUOROMETHANE	3.1	NA	1.3	1.8
	HEXANE	2		HEXANE	11.9	142.45	9.9	1.3
	ISOPROPANOL	117		ISOPROPANOL	50.1	80.07	66.9	4.6
	M+P-XYLENES	3.2 U		M+P-XYLENES	4.2	NA	1	3.2
	METHYLENE CHLORIDE	6.5 U		METHYLENE CHLORIDE	626	NA	619.5	6.5
	PENTAFLUOROETHYL CHLORIDE	5.9 U		PENTAFLUOROETHYL CHLORIDE	10.6	NA	4.7	5.9
	TETRACHLOROETHENE	4.2		TETRACHLOROETHENE	1.2 U	NA	3	1.3
	TOLUENE	2.8		TOLUENE	8.3	99.10	5.5	1.4
	TRICHLOROETHENE	1.3		TRICHLOROETHENE	0.96 U	NA	0.34	1.3

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10341033

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
IA-Prop1_20160308	1,1-DIFLUOROETHANE	12.6	IA-Prop1_20160308DUP	1,1-DIFLUOROETHANE	10.8	15.38	1.8	2.5
	ACETONE	36.5		ACETONE	31.5	14.71	5	4.4
	BENZENE	1		BENZENE	0.91	9.42	0.09	0.59
	CARBON DISULFIDE	2.1		CARBON DISULFIDE	1.2 U	NA	0.9	1.2
	CHLOROFORM	31.1		CHLOROFORM	29.5	5.28	1.6	0.91
	CHLOROMETHANE	1.4		CHLOROMETHANE	1.1	24.00	0.3	0.77
	CYCLOHEXANE	1.3 U		CYCLOHEXANE	1.4	NA	0.1	1.3
	DICHLORODIFLUOROMETHANE	1.8 U		DICHLORODIFLUOROMETHANE	2.5	NA	0.7	1.8
	HEXANE	1.3 U		HEXANE	1.6	NA	0.3	1.3
	ISOPROPANOL	123		ISOPROPANOL	62.1	65.80	60.9	4.6
	PENTAFLUOROETHYL CHLORIDE	26.8		PENTAFLUOROETHYL CHLORIDE	22.2	18.78	4.6	5.9
	TOLUENE	2.4		TOLUENE	2.2	8.70	0.2	1.4

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10341033

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
SS-C1*_20160308	ACETONE	6.4	SS-C1_20160308DUP	ACETONE	9.9	42.94	3.5	4.4
	CHLORODIFLUOROMETHANE	4		CHLORODIFLUOROMETHANE	1.3 U	NA	2.7	1.3
	DICHLORODIFLUOROMETHANE	2.2		DICHLORODIFLUOROMETHANE	2.3	4.44	0.1	1.8
	ISOPROPANOL	4.8		ISOPROPANOL	4.6 U	NA	0.2	4.6
	METHYLENE CHLORIDE	6.6		METHYLENE CHLORIDE	6.5 U	NA	0.1	6.5
	TETRACHLOROETHENE	11.4		TETRACHLOROETHENE	12	5.13	0.6	1.3
	TRICHLOROETHENE	111		TRICHLOROETHENE	107	3.67	4	1

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

FIELD DUPLICATE PRECISION
LMC - GREAT NECK
SDG 10341033

SAMPLE	PARAMETER	RESULT (µg/m³)	DUPLICATE SAMPLE	PARAMETER	RESULT (µg/m³)	RPD (%)	DIFFERENCE	RL (µg/m³)
SS-E10*_20160308	1,1-DIFLUOROETHANE	13.6	SS-E10_20160308DUP	1,1-DIFLUOROETHANE	8.2	49.54	5.4	2.5
	ACETONE	20.8		ACETONE	14.5	35.69	6.3	4.4
	BENZENE	0.6		BENZENE	0.59 U	NA	0.01	0.59
	CHLOROFORM	22.2		CHLOROFORM	15.8	33.68	6.4	0.91
	DICHLORODIFLUOROMETHANE	2.2		DICHLORODIFLUOROMETHANE	2.2	0.00	0	1.8
	ISOPROPANOL	40.2		ISOPROPANOL	8.4	130.86	31.8	4.6
	PENTAFLUOROETHYL CHLORIDE	5.9 U		PENTAFLUOROETHYL CHLORIDE	17.3	NA	11.4	5.9
	TETRACHLOROETHENE	14.8		TETRACHLOROETHENE	22.7	42.13	7.9	1.3
	TOLUENE	1.6		TOLUENE	1.4 U	NA	0.2	1.4
	TRICHLOROETHENE	26		TRICHLOROETHENE	38	37.50	12	1

U - NON-DETECT
QC: RPD < 50%
or DIFFERENCE < 2X RL

LMC - GREAT NECK
SDG 200-32629-1

SAMPLE IDENTIFICATION

SS-C20*_20160308

COMPOUND

TETRACHLOROETHENE

MW=

165.833

GAS CONSTANT =

24.45

COMPOUND AREA

1279134

INTERNAL STANDARD AMOUNT (ppbv)

10

CALIBRATION VOLUME (ppbv)

200

DILUTION FACTOR

1.83

INTERNAL STANDARD AREA

306243

AVERAGE RRF

0.67029

SAMPLE VOLUME (ppbv)

200

114 ppbv

773 $\mu\text{g}/\text{m}^3$

Data File: \\192.168.10.12\chem\10air7.i\031816.b\07828.D
Report Date: 21-Mar-2016 09:41

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10air7.i\031816.b\07828.D
Lab Smp Id: 10341033002
Inj Date : 18-MAR-2016 21:27
Operator : MJL
Smp Info : 10341033002
Misc Info : 25476
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Meth Date : 21-Mar-2016 07:35 10air7.i Quant Type: ISTD
Cal Date : 18-MAR-2016 17:38 Cal File: 07819.D
Als bottle: 28
Dil Factor: 1.83000
Integrator: HP RTE
Target Version: 4.14
Processing Host: 10MNAIRWKS08

Inst ID: 10air7.i

Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.830	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT MASS	SIG						CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ppbv)	FINAL (ppbv)
1 Chlorodifluoromethane	51		2.374	2.374	(0.524)	11245		0.35624	0.652 (M)
2 Propylene	41		Compound Not Detected.						(D)
3 Dichlorodifluoromethane	85		2.397	2.408	(0.529)	6532		0.18672	0.342 (a)
4 Dichlorotetrafluoroethane	85		Compound Not Detected.						(D)
5 Chloromethane	50		Compound Not Detected.						
6 Vinyl chloride	62		Compound Not Detected.						
7 1,3-Butadiene	54		Compound Not Detected.						
8 Bromomethane	94		Compound Not Detected.						
9 Chloroethane	64		Compound Not Detected.						
10 Ethanol	45		Compound Not Detected.						(D)
11 Vinyl Bromide	106		Compound Not Detected.						
12 Isopentane	43		Compound Not Detected.						(D)
13 Acrolein	56		Compound Not Detected.						(D)
14 Trichlorofluoromethane	101		2.864	2.876	(0.632)	7082		0.18718	0.342 (aM)
15 Acetone	43		2.887	2.887	(0.637)	92237		2.30321	4.21
16 Isopropyl Alcohol	45		Compound Not Detected.						(D)
17 Acrylonitrile	53		Compound Not Detected.						
18 1,1-Dichloroethene	61		Compound Not Detected.						(D)
19 Tert Butyl Alcohol (TBA)	59		3.058	3.092	(0.675)	16623		0.50368	0.922 (M)
20 Freon 113	101		3.081	3.092	(0.680)	280551		11.0521	20.2
21 Methylene chloride	49		Compound Not Detected.						(D)
22 Allyl Chloride	76		Compound Not Detected.						
23 Carbon Disulfide	76		3.240	3.240	(0.715)	5846		0.18909	0.346 (aM)
24 trans-1,2-dichloroethene	96		Compound Not Detected.						

Data File: \\192.168.10.12\chem\10air7.i\031816.b\07828.D
Report Date: 21-Mar-2016 09:41

Compounds	QUANT	SIG						CONCENTRATIONS	
			RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppbv)	FINAL (ppbv)	
=====	=====		=====	=====	=====	=====	=====	=====	
25 Methyl Tert Butyl Ether	73		Compound	Not	Detected.				(D)
26 Vinyl Acetate	43		3.491	3.468	(0.770)	17202	0.32615	0.597 (M)	
27 1,1-Dichloroethane	63		Compound	Not	Detected.				(D)
\$ 28 Hexane-d14 (S)	66		3.540	3.545	(0.781)	308485	10.3516	10.4	
29 Methyl Ethyl Ketone	72		Compound	Not	Detected.				(D)
30 n-Hexane	57		Compound	Not	Detected.				(D)
31 Di-isopropyl Ether	45		Compound	Not	Detected.				
32 Ethyl Acetate	43		Compound	Not	Detected.				(D)
33 cis-1,2-Dichloroethene	96		Compound	Not	Detected.				
34 Ethyl Tert-Butyl Ether	59		Compound	Not	Detected.				
35 Chloroform	83		3.831	3.857	(0.845)	3348	0.11452	0.210 (Q)	
36 Tetrahydrofuran	42		Compound	Not	Detected.				
37 1,1,1-Trichloroethane	97		Compound	Not	Detected.				(D)
38 1,2-Dichloroethane	62		Compound	Not	Detected.				
39 Benzene	78		Compound	Not	Detected.				(D)
40 Carbon tetrachloride	117		Compound	Not	Detected.				(D)
41 Cyclohexane	56		Compound	Not	Detected.				
42 Tert Amyl Methyl Ether	73		Compound	Not	Detected.				(D)
* 43 1,4-Difluorobenzene	114		4.532	4.553	(1.000)	590207	10.0000		
44 2,2,4-Trimethylpentane	57		Compound	Not	Detected.				(D)
45 Heptane	43		Compound	Not	Detected.				(D)
46 1,2-Dichloropropane	63		Compound	Not	Detected.				
47 Trichloroethene	130		4.864	4.886	(1.073)	4874	0.34239	0.626	
48 1,4-Dioxane	88		Compound	Not	Detected.				
49 Bromodichloromethane	83		Compound	Not	Detected.				
50 Methylcyclohexane	98		Compound	Not	Detected.				
51 Methyl Isobutyl Ketone	43		Compound	Not	Detected.				(D)
52 cis-1,3-Dichloropropene	75		Compound	Not	Detected.				
53 trans-1,3-Dichloropropene	75		Compound	Not	Detected.				
\$ 54 Toluene-d8 (S)	98		5.876	5.887	(1.297)	501337	10.2101	10.2	
55 Toluene	91		Compound	Not	Detected.				(D)
56 1,1,2-Trichloroethane	97		Compound	Not	Detected.				
57 Methyl Butyl Ketone	43		Compound	Not	Detected.				(D)
58 Dibromochloromethane	129		Compound	Not	Detected.				
59 1,2-Dibromoethane	107		Compound	Not	Detected.				
60 Tetrachloroethene	166		6.735	6.741	(0.915)	1279134	62.3146	114 (A)	
* 61 Chlorobenzene - d5	117		7.361	7.375	(1.000)	306243	10.0000		
62 Chlorobenzene	112		Compound	Not	Detected.				
63 Ethyl Benzene	91		Compound	Not	Detected.				(D)
64 m&p-Xylene	91		Compound	Not	Detected.				
65 Bromoform	173		Compound	Not	Detected.				
66 Styrene	104		Compound	Not	Detected.				
67 o-Xylene	91		Compound	Not	Detected.				
68 1,1,2,2-Tetrachloroethane	83		Compound	Not	Detected.				
69 Isopropylbenzene	105		Compound	Not	Detected.				
70 N-Propylbenzene	91		Compound	Not	Detected.				
71 4-Ethyltoluene	105		Compound	Not	Detected.				(D)
72 1,3,5-Trimethylbenzene	105		Compound	Not	Detected.				(D)
73 Tert-Butyl Benzene	119		Compound	Not	Detected.				
74 1,2,4-Trimethylbenzene	105		Compound	Not	Detected.				
75 1,3-Dichlorobenzene	146		Compound	Not	Detected.				
76 Sec- Butylbenzene	105		Compound	Not	Detected.				
\$ 77 1,4-dichlorobenzene-d4 (S)	150		10.548	10.558	(1.433)	98229	8.47104	8.47	
78 Benzyl Chloride	91		Compound	Not	Detected.				

Archived: Thursday, May 12, 2016 9:15:39 AM

From: Amy Jacobson

Sent: Wednesday, May 04, 2016 3:11:10 PM

To: Scott Unze; Samchuck, Joseph

Cc: Mellott, Dallas

Subject: Re: AIR RESULTS

Importance: Normal

Joe,

The RL for 124TCB should be 6.6 ug/m3, based on the applied dilution factor of 1.75x for sample 10341033028 (which is accurate). I can work with Scott to fix this, but would propose itemizing all issues as you note them, and we fix all at once.

The Methylene Chloride reported value of 626 ug/m3 was confirmed by the original analysis of the sample at 1.75x, however it is possible that this value is due to organic solvent vapor contaminate from the extraction laboratory, in the same building. I can add the following comment to this analyte:

Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered with high bias.

>>> "Samchuck, Joseph" <Joseph.Samchuck@tetrattech.com> 5/4/2016 1:38 PM >>>

Hi Scott, Amy,

I have a couple of questions regarding lab sample ID 10341033028.

The reporting limit for 1,2,4-trichlorobenzene was reported at 264 ug/m3. The dilution factor on the report indicated 1.75. Is this correct? The original sample from this location has an RL of 6.9 for 1,2,4-trichlorobenzene.

Also, in the same sample, methylene chloride was reported at 626 ug/m3. The original sample was nondetected for methylene chloride.

Thank you.

Joe

Joseph Samchuck | Senior Chemist/Data Validation Manager

Direct: 412.921.8510 | Personal Fax: 412.921.4040

joseph.samchuck@tetrattech.com

Tetra Tech

661 Andersen Drive Foster Plaza 7 | Pittsburgh, PA 15220 | www.tetrattech.com

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Archived: Thursday, May 12, 2016 9:17:05 AM

From: Amy Jacobson

Sent: Tuesday, May 10, 2016 4:13:59 PM

To: Allen, Michelle

Subject: Re: #10341033

Importance: Normal

Hi Michelle, Thanks for the email. The actual RL for 10341033029 should be 6.9ug/m3 for 124TCB.

Regarding the recovery for LCS - The spiked value is 2.0 ppbv and the compound was 3.3 ppbv. 165% Recovery, so all detections were flagged with L2.

If you have any more questions, I am at your service!

Amy Jacobson - Air Lab Manager

Pace Analytical Services, Inc

Office (612) 607-6450

Mobile (612) 709-5046

>>> "Allen, Michelle" <Michelle.Allen@tetrattech.com> 5/10/2016 2:11 PM >>>

>

Hi Amy,

I am reviewing this data package. It seems that sample 10341033029 also has an incorrect RL for 1,2,4-tcb. Would you let me know the correct RL, please?

The other question I have is regarding the LCS 2215788. 1,2-dibromo-3-chloropropane is flagged with an L2 but there are not QC limits or a %R. I don't know the amount spiked to calculate the recovery. Can you provide more information in regards to the L2 flag and the amount spiked in the sample?

I think that is all I have. Hopefully everything else will be okay.

Thanks!

Michelle L. Allen | Sci.Environmental Scientist III

Direct +1 (412) 921-8205 | Main: +1 (412) 921-7090 | Fax: +1 (412) 921-4040 | michelle.allen@tetrattech.com

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Archived: Thursday, May 12, 2016 9:03:14 AM
From: Amy Jacobson
Sent: Wednesday, May 11, 2016 9:53:00 AM
To: Allen, Michelle
Subject: RE: #10341033
Importance: Normal

2.4983 (2.0) = 125% Recovery.

>>> "Allen, Michelle" <Michelle.Allen@tetrattech.com> 5/11/2016 8:46 AM >>>
I think this is the last thing ☺, for LCS 2212936, chloropentafluoroethane has an L3. Can you give me the %R?

Have a great day!

Michelle
412.921.8205

From: Amy Jacobson [mailto: Amy.Jacobson@pacelabs.com]
Sent: Wednesday, May 11, 2016 9:15 AM
To: Allen, Michelle <Michelle.Allen@tetrattech.com>
Subject: RE: #10341033

No worries, I should have noticed when I sent you the high % Recovery for DBCP.

Freon 123 recovered at 0.7287 ppbv with a true value of 2.0ppbv. This correlates to 36% Recovery

>>> "Allen, Michelle" <Michelle.Allen@tetrattech.com> 5/11/2016 7:11 AM >>>
Hi again Amy,

I was wrong about the flag, 1,2-dibromo-3-chloropropane was L3. I meant to ask about the Freon 123 (which was L2). Sorry!!

Have a great day!

Michelle
412.921.8205

From: Amy Jacobson [<mailto: Amy.Jacobson@pacelabs.com>]
Sent: Tuesday, May 10, 2016 4:14 PM
To: Allen, Michelle <Michelle.Allen@tetrattech.com>
Subject: Re: #10341033

Hi Michelle, Thanks for the email. The actual RL for 10341033029 should be 6.9ug/m3 for 124TCB.

Regarding the recovery for LCS - The spiked value is 2.0 ppbv and the compound was 3.3 ppbv. 165% Recovery, so all detections were flagged with L2.

If you have any more questions, I am at your service!

Amy Jacobson - Air Lab Manager

Pace Analytical Services, Inc

Office (612) 607-6450

Mobile (612) 709-5046

>>> "Allen, Michelle" <Michelle.Allen@tetrattech.com> 5/10/2016 2:11 PM >>>



>

Hi Amy,

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The other question I have is regarding the LCS 2215788. 1,2-dibromo-3-chloropropane is flagged with an L2 but there are not QC limits or a %R. I don't know the amount spiked to calculate the recovery. Can you provide more information in regards to the L2 flag and the amount spiked in the sample?

I think that is all I have. Hopefully everything else will be okay.

Thanks!

Michelle L. Allen | Sci.Environmental Scientist III

Direct +1 (412) 921-8205 | Main: +1 (412) 921-7090 | Fax: +1 (412) 921-4040 | michelle.allen@tetrattech.com

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10341033

24166

Page: 2 of 3

Section A

Required Client Information:

Company: Tetra Tech
Address: 295 R422E, Suite 104E
Whitehouse Station, NJ 08889
Email To: Keith.McDermott@TetraTech.com
Phone: 908-334-2303 Fax: 908-334-4709
Requested Due Date/TAT: Standard 3/16/16

Section B

Required Project Information:

Report To: Keith McDermott
Copy To:
Purchase Order No.:
Project Name: LME Great Neck
Project Number: 117-0507644

Section C

Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program
☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other
Location of Sampling by State NJ
Reporting Units
ug/m³ ☐ mg/m³ ☐
PPBV ☐ PPMV ☐
Other
Report Level I. ☐ II. ☐ III. ☐ IV. ☐ Other ☐

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA Tedlar Bag 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other	CODE TB 1LC 6LC LVP HVP PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID
						COMPOSITE START		COMPOSITE -						PM10	3C-Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-1 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO-15 Short List		
						END/GRAB																		
						DATE	TIME	DATE	TIME															
1	IA-C1-20160308	6LC		3/8/16	0906	3/8/16	1540	-28	-8	1199	0114												013,032	
2	IA-C2-20160308	6LC		3/8/16	0855	3/8/16	1458	-30	-8	1251	0414												014,033	
3	2A-D7-20160308	6LC		3/8/16	0835	3/8/16	1437	-30	-8	1071	0026												015,034	
4	IA-E10-20160308	6LC		3/8/16	0840	3/8/16	1416	-26	-6	2056	0002												016,035	
5	IA-E16-20160308	6LC		3/8/16	0846	3/8/16	1320	-30	-6	0798	0280												017,036	
6	IA-G5-20160308	6LC		3/8/16	0837	3/8/16	1431	-30	-8	1033	1020												018,037	
7	IA-HZ1-20160308	6LC		3/8/16	0858	3/8/16	1504	-30	-8	2304	0317												019,038	
8	IA-PROP1-20160308	6LC		3/8/16	0843	3/8/16	1445	-30	-8	1077	0092												020,039	
9	IA-PROP2-20160308	6LC		3/8/16	0853	3/8/16	1503	-29	-8	2150	0012												021,040	
10	IA-PROP3-20160308	6LC		3/8/16	0851	3/8/16	1455	-28	-6	1227	0400												022,041	
11	IA-PROP4-20160308	6LC		3/8/16	0848	3/8/16	1421	-30	-5	2088	0010												023,042	
12	IA-I3-20160308	6LC		3/8/16	11:34	3/8/16	17:22	-30	-7	2129	2290												024,043	

Comments: Modified COC List

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
<u>[Signature]</u> T7		3/9/16	1345	<u>[Signature]</u>		3/9/16	1345		Y/N	Y/N	Y/N
<u>[Signature]</u>		3/9/16	1800	<u>[Signature]</u>		3/10/16	0945	AMB	Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

Roy Wagner

SIGNATURE of SAMPLER:

[Signature]

DATE Signed (MM/DD/YYYY)
03/08/16

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact

ORIGINAL



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10341033

Section A

Required Client Information:

Company: **Tetra Tech**
Address: **245R+22E Suite 104E**
Whitehouse Station, NJ 08889
Email To: **Keith.McDermott@TetraTech.com**
Phone: **908-534-2307** Fax: **908-534-4709**
Requested Due Date/TAK: **3/16/16**

Section B

Required Project Information:

Report To: **Keith McDermott**
Copy To:
Purchase Order No.:
Project Name: **Lmc Great Neck**
Project Number: **1170507644**

Section C

Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

24161

Page: 3 of 3

Program

☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: **NJ**

Reporting Units

ug/m³ ☒ mg/m³ ☐
PPBV ☐ PPMV ☐
Other ☐

Report Level: ☐ I ☐ II ☐ III ☐ IV ☐ Other

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:										Pace Lab ID																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Comments:

Modified COC with

RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
<i>[Signature]</i>		3/9/16	1345	<i>[Signature]</i>		3/9/16	1345		Y/N	Y/N	Y/N
<i>[Signature]</i>		3/9/16	1800	<i>[Signature]</i>		3/10/16	0945	AMB	Y/N	Y/N	Y/N
									Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

Roy Wagner

DATE Signed (MM/DD/YYYY)

03/09/16


Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact

ORIGINAL

	Document Name: Air Sample Condition Upon Receipt	Document Revised: 29 June 2015 Page 1 of 1
	Document No.: F-MN-A-106-rev.10	Issuing Authority: Pace Minnesota Quality Office

**Air Sample Condition
Upon Receipt**

Client Name:

Tetra Tech - NJ

Project #:

WO#: 10341033



Courier: ☒ Fed Ex ☐ UPS ☐ Speedee ☐ Client
☐ Commercial ☐ Pace ☐ Other: _____

Tracking Number: 77583623 8960-master

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other: _____

Temp Blank rec: ☐ Yes ☒ No

Temp. (TO17 and TO13 samples only) (°C): X

Corrected Temp (°C): X

Thermom. Used:

☐ B88A912167504

☐ B88A9132521491

☐ 72337080

☐ 80512447

Date & Initials of Person Examining Contents:

31016

Temp should be above freezing to 6°C Correction Factor: X

Type of ice Received ☐ Blue ☐ Wet ☒ None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
<u>unused</u>	<u>2051</u>	<u>0117</u>			
<u>unused</u>	<u>2309</u>	<u>0096</u>			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____

Date: 03/10/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

April 20, 2016

Keith M. McDermott
Tetra Tech GeoTrans
295 Us Highway 22 E
Ste 104
Whitehouse Station, NJ 08889

RE: Project: 117-0507644 LMC Great Neck-rev
Pace Project No.: 10341033

Dear Keith McDermott:

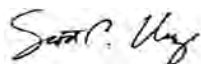
Enclosed are the analytical results for sample(s) received by the laboratory on March 10, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Report Revision: Sample ID "IA-E16-15" was added to the final report

This report was resvised on April 12th, 2016 to include Freon 114.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Scott Unze
scott.unze@pacelabs.com
Project Manager

Enclosures

cc: Priscilla Merta, Tetra Tech
Joseph Samchuck, Tetra Tech



REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 20, 2016

General Information:

29 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

- IA-D7_20160308 (Lab ID: 10341033015)
- IA-E10_20160308 (Lab ID: 10341033016)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25476

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- LCS (Lab ID: 2212936)
 - Chloropentafluoroethane

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- IA-C1_20160308 (Lab ID: 10341033013)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-C20_20160308 (Lab ID: 10341033014)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-E16_20160308 (Lab ID: 10341033017)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-G5_20160308 (Lab ID: 10341033018)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-H21_20160308 (Lab ID: 10341033019)
 - 1,1-Difluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 20, 2016

QC Batch: AIR/25476

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,2-Dibromo-3-chloropropane
- Chloropentafluoroethane
- Freon 123
- Methyl acetate
- LCS (Lab ID: 2212936)
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Hexachloro-1,3-butadiene
 - Methyl acetate
- SS-12_20160308 (Lab ID: 10341033012)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-C1*_20160308 (Lab ID: 10341033001)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-C20*_20160308 (Lab ID: 10341033002)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-D7*_20160308 (Lab ID: 10341033003)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-E10*_20160308 (Lab ID: 10341033004)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-E16*_20160308 (Lab ID: 10341033005)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 20, 2016

QC Batch: AIR/25476

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- Chloropentafluoroethane
- Freon 123
- Methyl acetate
- SS-G5*_20160308 (Lab ID: 10341033006)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-H21*_20160308 (Lab ID: 10341033007)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-Prop1_20160308 (Lab ID: 10341033008)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-Prop2_20160308 (Lab ID: 10341033009)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-Prop3_20160308 (Lab ID: 10341033010)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-Prop4_20160308 (Lab ID: 10341033011)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate

QC Batch: AIR/25477

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- AA_20160308 (Lab ID: 10341033029)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 20, 2016

QC Batch: AIR/25477

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,1-Difluoroethane
- 1,2-Dibromo-3-chloropropane
- Chloropentafluoroethane
- Freon 123
- Methyl acetate
- BLANK (Lab ID: 2212937)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- DUP (Lab ID: 2214033)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-13_20160308 (Lab ID: 10341033024)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-C20_20160308DUP (Lab ID: 10341033028)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-Prop1_20160308 (Lab ID: 10341033020)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-Prop1_20160308DUP (Lab ID: 10341033027)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-Prop2_20160308 (Lab ID: 10341033021)
 - 1,1-Difluoroethane

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 20, 2016

QC Batch: AIR/25477

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,2-Dibromo-3-chloropropane
- Chloropentafluoroethane
- Methyl acetate
- IA-Prop3_20160308 (Lab ID: 10341033022)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-Prop4_20160308 (Lab ID: 10341033023)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- LCS (Lab ID: 2212938)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-C1_20160308DUP (Lab ID: 10341033025)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- SS-E10_20160308DUP (Lab ID: 10341033026)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate

QC Batch: AIR/25521

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- IA-D7_20160308 (Lab ID: 10341033015)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate
- IA-E10_20160308 (Lab ID: 10341033016)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 20, 2016

QC Batch: AIR/25521

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- 1,1-Difluoroethane
- 1,2-Dibromo-3-chloropropane
- Chloropentafluoroethane
- Freon 123
- LCS (Lab ID: 2215768)
 - 1,1-Difluoroethane
 - 1,2-Dibromo-3-chloropropane
 - Chloropentafluoroethane
 - Freon 123
 - Methyl acetate

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25476

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 2212936)
 - Chloropentafluoroethane

QC Batch: AIR/25477

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 2212938)
 - 1,2-Dibromo-3-chloropropane

QC Batch: AIR/25521

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 2215768)
 - 1,2,4-Trimethylbenzene
 - 1,2-Dichlorobenzene
 - 1,3-Dichlorobenzene
 - 4-Ethyltoluene
 - Bromoform

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- IA-D7_20160308 (Lab ID: 10341033015)
 - Freon 123
- IA-E10_20160308 (Lab ID: 10341033016)
 - Freon 123
- LCS (Lab ID: 2215768)
 - Freon 123

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Method: TO-15

Description: TO15 MSV AIR

Client: Tetra Tech GeoTrans

Date: April 20, 2016

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: AIR/25476

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 2212936)
 - Chloropentafluoroethane
 - Hexachloro-1,3-butadiene

QC Batch: AIR/25521

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 2215768)
 - 1,2-Dibromo-3-chloropropane

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: AIR/25476

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- IA-C1_20160308 (Lab ID: 10341033013)
 - 1,1-Difluoroethane
 - Chloropentafluoroethane
- IA-G5_20160308 (Lab ID: 10341033018)
 - 1,1-Difluoroethane
- SS-C20*_20160308 (Lab ID: 10341033002)
 - Tetrachloroethene
- SS-G5*_20160308 (Lab ID: 10341033006)
 - 1,1-Difluoroethane
- SS-Prop4_20160308 (Lab ID: 10341033011)
 - 1,1-Difluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Method: TO-15

Description: Individual Can Certification

Client: Tetra Tech GeoTrans

Date: April 20, 2016

General Information:

15 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10341033001	SS-C1*_20160308	Air	03/08/16 15:40	03/10/16 09:45
10341033002	SS-C20*_20160308	Air	03/08/16 16:30	03/10/16 09:45
10341033003	SS-D7*_20160308	Air	03/08/16 15:52	03/10/16 09:45
10341033004	SS-E10*_20160308	Air	03/08/16 16:11	03/10/16 09:45
10341033005	SS-E16*_20160308	Air	03/08/16 16:39	03/10/16 09:45
10341033006	SS-G5*_20160308	Air	03/08/16 15:36	03/10/16 09:45
10341033007	SS-H21*_20160308	Air	03/08/16 17:16	03/10/16 09:45
10341033008	SS-Prop1_20160308	Air	03/08/16 15:54	03/10/16 09:45
10341033009	SS-Prop2_20160308	Air	03/08/16 16:50	03/10/16 09:45
10341033010	SS-Prop3_20160308	Air	03/08/16 16:18	03/10/16 09:45
10341033011	SS-Prop4_20160308	Air	03/08/16 16:45	03/10/16 09:45
10341033012	SS-12_20160308	Air	03/08/16 17:08	03/10/16 09:45
10341033013	IA-C1_20160308	Air	03/08/16 15:40	03/10/16 09:45
10341033014	IA-C20_20160308	Air	03/08/16 14:58	03/10/16 09:45
10341033015	IA-D7_20160308	Air	03/08/16 14:37	03/10/16 09:45
10341033016	IA-E10_20160308	Air	03/08/16 14:16	03/10/16 09:45
10341033017	IA-E16_20160308	Air	03/08/16 13:20	03/10/16 09:45
10341033018	IA-G5_20160308	Air	03/08/16 14:31	03/10/16 09:45
10341033019	IA-H21_20160308	Air	03/08/16 15:04	03/10/16 09:45
10341033020	IA-Prop1_20160308	Air	03/08/16 14:45	03/10/16 09:45
10341033021	IA-Prop2_20160308	Air	03/08/16 15:03	03/10/16 09:45
10341033022	IA-Prop3_20160308	Air	03/08/16 14:55	03/10/16 09:45
10341033023	IA-Prop4_20160308	Air	03/08/16 14:21	03/10/16 09:45
10341033024	IA-13_20160308	Air	03/08/16 17:22	03/10/16 09:45
10341033025	SS-C1_20160308DUP	Air	03/08/16 15:40	03/10/16 09:45
10341033026	SS-E10_20160308DUP	Air	03/08/16 16:11	03/10/16 09:45
10341033027	IA-Prop1_20160308DUP	Air	03/08/16 14:45	03/10/16 09:45
10341033028	IA-C20_20160308DUP	Air	03/08/16 14:58	03/10/16 09:45
10341033029	AA_20160308	Air	03/08/16 15:28	03/10/16 09:45
10341033030	Unused Can#2051	Air		03/10/16 09:45
10341033031	Unused Can#2309	Air		03/10/16 09:45
10341033032	IA-C1_20160308 Can Cert	Air	03/08/16 15:40	03/10/16 09:45
10341033033	IA-C20_20160308 Can Cert	Air	03/08/16 14:58	03/10/16 09:45
10341033034	IA-D7_20160308 Can Cert	Air	03/08/16 14:37	03/10/16 09:45
10341033035	IA-E10_20160308 Can Cert	Air	03/08/16 14:16	03/10/16 09:45
10341033036	IA-E16_20160308 Can Cert	Air	03/08/16 13:20	03/10/16 09:45
10341033037	IA-G5_20160308 Can Cert	Air	03/08/16 14:31	03/10/16 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10341033038	IA-H21_20160308 Can Cert	Air	03/08/16 15:04	03/10/16 09:45
10341033039	IA-Prop1_20160308 Can Cert	Air	03/08/16 14:45	03/10/16 09:45
10341033040	IA-Prop2_20160308 Can Cert	Air	03/08/16 15:03	03/10/16 09:45
10341033041	IA-Prop3_20160308 Can Cert	Air	03/08/16 14:55	03/10/16 09:45
10341033042	IA-Prop4_20160308 Can Cert	Air	03/08/16 14:21	03/10/16 09:45
10341033043	IA-13_20160308 Can Cert	Air	03/08/16 17:22	03/10/16 09:45
10341033044	IA-Prop1_20160308DUP Can Cert	Air	03/08/16 14:45	03/10/16 09:45
10341033045	IA-C20_20160308DUP Can Cert	Air	03/08/16 14:58	03/10/16 09:45
10341033046	AA_20160308DUP Can Cert	Air	03/08/16 15:28	03/10/16 09:45

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE


Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10341033001	SS-C1*_20160308	TO-15	AIR/25476		
10341033002	SS-C20*_20160308	TO-15	AIR/25476		
10341033003	SS-D7*_20160308	TO-15	AIR/25476		
10341033004	SS-E10*_20160308	TO-15	AIR/25476		
10341033005	SS-E16*_20160308	TO-15	AIR/25476		
10341033006	SS-G5*_20160308	TO-15	AIR/25476		
10341033007	SS-H21*_20160308	TO-15	AIR/25476		
10341033008	SS-Prop1_20160308	TO-15	AIR/25476		
10341033009	SS-Prop2_20160308	TO-15	AIR/25476		
10341033010	SS-Prop3_20160308	TO-15	AIR/25476		
10341033011	SS-Prop4_20160308	TO-15	AIR/25476		
10341033012	SS-12_20160308	TO-15	AIR/25476		
10341033013	IA-C1_20160308	TO-15	AIR/25476		
10341033014	IA-C20_20160308	TO-15	AIR/25476		
10341033015	IA-D7_20160308	TO-15	AIR/25521		
10341033016	IA-E10_20160308	TO-15	AIR/25521		
10341033017	IA-E16_20160308	TO-15	AIR/25476		
10341033018	IA-G5_20160308	TO-15	AIR/25476		
10341033019	IA-H21_20160308	TO-15	AIR/25476		
10341033020	IA-Prop1_20160308	TO-15	AIR/25477		
10341033021	IA-Prop2_20160308	TO-15	AIR/25477		
10341033022	IA-Prop3_20160308	TO-15	AIR/25477		
10341033023	IA-Prop4_20160308	TO-15	AIR/25477		
10341033024	IA-13_20160308	TO-15	AIR/25477		
10341033025	SS-C1_20160308DUP	TO-15	AIR/25477		
10341033026	SS-E10_20160308DUP	TO-15	AIR/25477		
10341033027	IA-Prop1_20160308DUP	TO-15	AIR/25477		
10341033028	IA-C20_20160308DUP	TO-15	AIR/25477		
10341033029	AA_20160308	TO-15	AIR/25477		
10341033032	IA-C1_20160308 Can Cert	TO-15	AIR/25440		
10341033033	IA-C20_20160308 Can Cert	TO-15	AIR/25440		
10341033034	IA-D7_20160308 Can Cert	TO-15	AIR/25440		
10341033035	IA-E10_20160308 Can Cert	TO-15	AIR/25440		
10341033036	IA-E16_20160308 Can Cert	TO-15	AIR/25440		
10341033037	IA-G5_20160308 Can Cert	TO-15	AIR/25440		
10341033038	IA-H21_20160308 Can Cert	TO-15	AIR/25440		
10341033039	IA-Prop1_20160308 Can Cert	TO-15	AIR/25440		
10341033040	IA-Prop2_20160308 Can Cert	TO-15	AIR/25440		
10341033041	IA-Prop3_20160308 Can Cert	TO-15	AIR/25440		
10341033042	IA-Prop4_20160308 Can Cert	TO-15	AIR/25440		
10341033043	IA-13_20160308 Can Cert	TO-15	AIR/25440		
10341033044	IA-Prop1_20160308DUP Can Cert	TO-15	AIR/25440		
10341033045	IA-C20_20160308DUP Can Cert	TO-15	AIR/25440		
10341033046	AA_20160308DUP Can Cert	TO-15	AIR/25440		

REPORT OF LABORATORY ANALYSIS

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	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 1 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 1: Concentration of each component in the flask (Static Dilution Technique, section 10.4.1. S-MN-A-013 rev. 19).

$$\text{Concentration (mg/L)} = \frac{(V_i)(d)}{V_f}$$

where:

V_i = Volume of liquid neat standard injected into the flask in mL;

d = Density of the liquid neat standard in mg/mL;

V_f = Volume of the flask in liters.

Caution: In the preparation of standards by this technique, make sure that the volume of neat standard injected into the flask does not result in an overpressure due to the higher partial pressure produced by the standard compared to the vapor pressure in the flask.

Equation 2: First determine the volume of the compound as a gas.

$$V = \frac{nRT}{P} \quad \text{where,} \quad n = \frac{(V_i)(d)}{M}$$

where,

V = Volume of injected compound at STP in liters;

n = Moles;

R = Gas constant (0.08206 L-atm/mole °K);

T = Ambient temperature in °K;

P = Ambient pressure in atm;

V_i = Volume of liquid neat standard injected into the flask in mL;

d = Density of the neat standard in g/mL;

M = Molecular weight of the compound in g/mole.


Equation 3: Now calculate the concentration in the flask in ppbv.

$$\text{ppbv} = \frac{V}{V_f} (10^9)$$

where:

V = Gas volume of compound as determined in Eq. 8 in liters;

V_f = Volume of static dilution flask in liters.

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 2 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 4: The concentration in ppbv of each compound in the canister can be determined.

$$\text{ppbv} = \frac{(V_i)(C_x)}{V_c}$$

where:

V_i =Volume removed from static dilution flask and injected into the canister in liters;

C_x =Concentration of compound x in the static dilution flask in ppbv;

V_c =Final canister volume in liters.

Equation 5: Calculate the relative response factors (RRF) for each compound.

$$\text{Relative Response Factor (RRF)} = \frac{(A_x)(C_i)}{(A_i)(C_x)}$$

where,

A_x =Area of the primary ion for compound x to be measured;

A_i =Area of the primary ion for the internal standard associated with compound x;

C_i =Concentration of the internal standard in ppbv;

C_x =Concentration of compound x to be measured in ppbv.

Equation 6: Calculate the mean RRF for each compound.

$$\overline{R_f} = \frac{\sum_{n=5} R_f}{n}$$

where,


$\overline{R_f}$ =Average relative response factor;

R_f =Relative response factor from calibration curve;

n =Number of data points.

Equation 7: Standard Deviation.

$$\sigma_{(n-1)} = \sqrt{\sum_{i=1}^n \frac{(x_i - \bar{x})^2}{(n-1)}}$$

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 3 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 8: %Relative Standard Deviation (%RSD).

$$\%RSD = \frac{S_{(n-1)}}{R_f} \times 100$$

Equation 9: Mean area response for Internal Standard.

$$\bar{y} = \sum_{i=1}^n \frac{y_i}{n}$$

where,

\bar{y} = mean area response

y = Area response for the internal standard for each initial calibration standard

Equation 10: If a linear regression is used, the regression produces the slope and intercept terms for a linear equation.

$$y = ax + b$$

where:

y = instrument response (peak area or height)

a = Slope of the line (also called the coefficient of x)

x = Concentration of the calibration standard

b = the intercept, do not include the origin (0) as a calibration point

Equation 11: To calculate the sample concentration by the internal standard method using the linear regression.

$$C_s = [(A_s C_{is} / A_{is}) - b] / a$$

where:

A_s = Area of the peak for the target analyte in the sample


A_{is} = Area of the peak of the internal standard

C_s = Concentration of the target analyte in the calibration standard

C_{is} = Concentration of the internal standard

a = Slope of the line (also called the coefficient of C_s)

b = The intercept

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 4 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 12: To calculate the coefficient of determination (or r^2) for a quadratic curve fit.

$$COD = \frac{\sum_{i=1}^n (y_{obs} - \bar{y})^2 - \left(\frac{n-1}{n-p} \right) \sum_{i=1}^n (y_{obs} - Y_i)^2}{\sum_{i=1}^n (y_{obs} - \bar{y})^2}$$

where:

y_{obs} = Observed response for each concentration from each initial calibration standard

\bar{y} = Mean observed response from the initial calibration (See equation 6)

Y_i = Calculated response at each concentration from the initial calibration (See Equation 5)

n = Total number of calibration points in the equation, 6 points for quadratic

p = Number of adjustable parameters in the polynomial equation

Equation 13: Calculate the sample concentration by the internal standard method using the quadratic regression by comparing peak heights to the calibration curve.

Regression equation (quadratic):

$$y = ax^2 + bx + c$$

Equation 14: Percent Difference (%D). The % D in the RRF of the daily RRF of an individual compound compared to the mean RRF for that compound in the most recent calibration curve.

$$\%D = \frac{|R_i - R_c|}{R_i} (100)$$

where,

R_i = The average RRF from the initial calibration curve for compound x ;

R_c = RRF for compound x from the CCV standard.


Equation 15: Calculate the percent recovery of the LCS.

$$\text{Percent Recovery} = \frac{C_q}{C_a} (100)$$

where:

C_q = Quantitated concentration of compound x in ppbv;

C_a = Actual concentration of compound x in ppbv.

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 5 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 16: Calculate the resultant dilution factor.

$$DF = (Pf + 14.7) / (Pi + 14.7)$$

Pi = Pressure reading of canister prior to pressurization (psig)

Pf = Pressure reading of canister after pressurization (psig)

DF = Dilution factor

To convert Hg to psig:

Multiply by 0.491559 or divide by 2.036

PSIG reading is converted to One Atmosphere:

One Atmosphere = 14.7 psig = 29.21 inches of Hg

Equation 17: Calculate the concentration of the sample component.

$$C_x = \frac{(A_x)(C_i)(D_f)}{(A_i)(R_f)}$$

where:

C_x = Concentration of compound x in ppbv;

A_x = EICP area of the quantitation ion for compound x;

C_i = Concentration of the internal standard associated with compound x in ppbv;

D_f = Dilution factor from Equation 12 (if no dilution was performed, D_f equals 1.)

A_i = EICP area of the quantitation ion for the internal standard associated with compound x;

R_f = Average RRF for compound x from the most recent calibration curve.

Equation 18: The RPD between the sample and the sample duplicate.


$$RPD = \frac{|A - B|}{(A + B)/2} \times 100$$

Where:

RPD = Relative Percent Difference

A = Sample Value

B = Duplicate Value

	Document Name: Analysis of Whole Air Samples: Equations	Document Revised: 20APR2016 Page 6 of 6
	Document No.: F-MN-A-163-Rev.00	Issuing Authority: Pace Minnesota Quality Office

Equation 19: Convert ppbv to µg/m³.

$$\frac{(x \text{ ppbv} \times MW \frac{g}{mol})}{24.055 \frac{L}{mol}} = y \frac{\mu g}{m^3}$$

Where:

MW = Molecular Weight

24.055 L/mol = Molar Volume of an ideal Gas

$$PV = nRT$$

$$V = \frac{nRT}{P}$$

Where:

V = Volume in liters

N = mols of ideal Gas (1 mol)

R = Ideal gas constant

T = Temperature in Kelvin

$$V = \frac{(1 \text{ mol}) \times (0.082 \frac{L \times atm}{mol \times K}) \times 293.15 K}{1 atm}$$

$$V = 24.055 \frac{L}{mol}$$

Equation 20: Preparation of Working T015 Standard.

$$\frac{X}{Y} \times C = Z$$

Where:

X = Volume (L) spiked from stock

Y = Volume (L) of container

C = Concentration (ppbv) of Stock

Z = Concentration (ppbv) of working standard

8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.: 10341033
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/18/2016
Lab File ID (Standard): 07817.D Time Analyzed: 16:48
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	627693	4.540	332078	7.361
UPPER LIMIT	878770	5.040	464909	7.861
LOWER LIMIT	376616	4.040	199247	6.861
EPA SAMPLE NO.				
LCS for HBN 405529 [AIR/25476]	748726	4.532	397011	7.361
BLANK for HBN 405529 [AIR/2547]	737230	4.533	367880	7.362
SS-C1* 20160308	559388	4.532	291790	7.361
SS-C20* 20160308	590207	4.532	306243	7.361
SS-D7* 20160308	595790	4.532	299913	7.361
SS-E10* 20160308	632614	4.525	332181	7.361
SS-E16* 20160308	703524	4.532	363234	7.361
SS-G5* 20160308	725090	4.532	366274	7.361
SS-H21* 20160308	709435	4.532	356069	7.361
SS-Prop1 20160308	702763	4.532	360224	7.361
SS-Prop2 20160308	717113	4.532	360928	7.361
SS-Prop3 20160308	709455	4.533	368088	7.362
SS-Prop4 20160308	698319	4.532	353805	7.361
SS-12 20160308	698693	4.547	361883	7.361
IA-C1 20160308	717683	4.532	367556	7.361
IA-C20 20160308	706719	4.532	362780	7.361
IA-E16 20160308	702093	4.532	355655	7.361
IA-G5 20160308	686307	4.532	357163	7.361
IA-H21 20160308	678939	4.532	350650	7.361

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.: 10341033
EPA Sample No. (VSTD050##): CCV Date Analyzed: 03/18/2016
Lab File ID (Standard): 07811.D Time Analyzed: 14:30
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	2365713	4.530	1231680	7.381
UPPER LIMIT	3311998	5.030	1724352	7.881
LOWER LIMIT	1419428	4.030	739008	6.881
EPA SAMPLE NO.				
LCS for HBN 405529 [AIR/25476]	1856008	4.530	993567	7.373
BLANK for HBN 405529 [AIR/2547]	2185461	4.530	1127099	7.359
VP-106_84_20160218(2196079DUP)	1703746	4.544	892877	7.366
SS-C1*_20160308	1663303	4.530	893901	7.359
SS-C20*_20160308	1753774	4.530	944774	7.366
SS-D7*_20160308	1774995	4.530	915305	7.359
SS-E10*_20160308	1882965	4.530	1013197	7.359
SS-E16*_20160308	2086400	4.530	1101744	7.366
SS-G5*_20160308	2154309	4.530	1117293	7.366
SS-H21*_20160308	2111506	4.537	1090678	7.366
SS-Prop1_20160308	2079536	4.537	1097191	7.366
SS-Prop2_20160308	2128426	4.537	1104803	7.366
SS-Prop3_20160308	2111237	4.537	1124031	7.366
SS-Prop4_20160308	2073203	4.537	1078493	7.366
SS-12_20160308	2067246	4.544	1096549	7.366
IA-C1_20160308	2120755	4.537	1118714	7.366
IA-C20_20160308	2089969	4.537	1108978	7.366
IA-E16_20160308	2075269	4.530	1079165	7.366
IA-G5_20160308	2030609	4.537	1090937	7.366
IA-H21_20160308	2010985	4.530	1066726	7.366

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.: 10341033
EPA Sample No. (VSTD050##): CAL5 Date Analyzed: 03/19/2016
Lab File ID (Standard): 07909.D Time Analyzed: 12:52
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	633878	4.547	336803	7.368
UPPER LIMIT	887429	5.047	471524	7.868
LOWER LIMIT	380327	4.047	202082	6.868
EPA SAMPLE NO.				
LCS for HBN 405530 [AIR/25477]	733046	4.532	399608	7.362
BLANK for HBN 405530 [AIR/2547]	707405	4.532	353244	7.361
IA-Prop1_20160308	687440	4.532	357297	7.361
IA-Prop1_20160308(2207425DUP)	682502	4.532	352193	7.361
IA-Prop2_20160308	688291	4.532	349459	7.361
IA-Prop3_20160308	668835	4.532	342659	7.361
IA-Prop4_20160308	658862	4.532	343167	7.361
IA-13_20160308	649912	4.532	334944	7.361
SS-C1_20160308DUP	581676	4.532	305320	7.361
SS-E10_20160308DUP	558721	4.532	286543	7.361
IA-Prop1_20160308DUP	556054	4.532	287883	7.361
IA-C20_20160308DUP	517538	4.540	274527	7.361
AA_20160308	512304	4.539	262000	7.361

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.: 10341033
EPA Sample No. (VSTD050##): CCVSCAN Date Analyzed: 03/19/2016
Lab File ID (Standard): 07902.D Time Analyzed: 09:33
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	2365713	4.530	1231680	7.381
UPPER LIMIT	3311998	5.030	1724352	7.881
LOWER LIMIT	1419428	4.030	739008	6.881
EPA SAMPLE NO.				
LCS for HBN 405530 [AIR/25477]	2065871	4.530	1116557	7.373
BLANK for HBN 405530 [AIR/2547]	2093510	4.530	1075007	7.359
IA-Prop1_20160308	2031766	4.537	1089219	7.366
IA-Prop1_20160308(2207425DUP)	2018827	4.537	1067737	7.366
IA-Prop2_20160308	2024559	4.530	1072405	7.366
IA-Prop3_20160308	1978613	4.537	1045589	7.366
IA-Prop4_20160308	1949780	4.537	1044613	7.366
IA-13_20160308	1919416	4.537	1017254	7.366
SS-C1_20160308DUP	1719114	4.530	931067	7.359
SS-E10_20160308DUP	1648591	4.537	873313	7.366
IA-Prop1_20160308DUP	1630822	4.537	871401	7.366
IA-C20_20160308DUP	1522148	4.544	833350	7.366
DUP	1524226	4.544	809402	7.366
AA_20160308	1509451	4.537	797635	7.366

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.: 10341033
EPA Sample No. (VSTD050##): CCV Date Analyzed: 03/22/2016
Lab File ID (Standard): 08203.D Time Analyzed: 08:56
Instrument ID: 10AIR7 Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	2365713	4.530	1231680	7.381
UPPER LIMIT	3311998	5.030	1724352	7.881
LOWER LIMIT	1419428	4.030	739008	6.881
EPA SAMPLE NO.				
LCS for HBN 406101 [AIR/25521]	1906572	4.537	1146407	7.388
BLANK for HBN 406101 [AIR/2552]	1746990	4.544	1017741	7.366
IA-D7_20160308	1349589 *	4.530	765272	7.366
IA-E10_20160308	1291460 *	4.530	755586	7.359

Only chloropentafluoroethane, 1,1,-
dichloro-2,2,2-trifluoroethane (Freon 123), 1,1-
difluoroethane, 1,2-dibromo-3-chloropropane,
and methyl acetate analyzed.

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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Data File: \\192.168.10.12\chem\10air7.i\031516SIM.b\07504.D
Report Date: 24-Mar-2016 11:34

Pace Analytical Services, Inc.

TO14/TO15 Analysis

Data file : \\192.168.10.12\chem\10air7.i\031516SIM.b\07504.D
Lab Smp Id: CAL1
Inj Date : 15-MAR-2016 12:30
Operator : MJL
Smp Info :
Misc Info :
Comment : Volatile Organic Compounds in Air
Method : \\192.168.10.12\chem\10air7.i\031516SIM.b\TO15cust_075-16.m
Meth Date : 24-Mar-2016 10:58 10air7.i Quant Type: ISTD
Cal Date : 15-MAR-2016 12:30 Cal File: 07504.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.14
Compound Sublist: all.sub

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL	
	MASS						(ppbv)	(ppbv)	
1 Chloropentafluoroethane	65		2.390	2.390	(0.528)	7685	0.10000	0.488 (M)	
2 1,1-Difluoroethane	51		2.379	2.379	(0.525)	21362	0.10000	0.123 (a)	
3 Freon 123	83		2.812	2.812	(0.621)	17867	0.10000	0.104 (a)	
4 Methyl Acetate	43		3.097	3.097	(0.684)	35853	0.10000	0.102 (a)	
\$ 5 Hexane-d14 (S)	66		Compound Not Detected.						
* 6 1,4-Difluorobenzene	114		4.530	4.530	(1.000)	1758919	10.0000		
\$ 7 Toluene-d8 (S)	98		Compound Not Detected.						
* 8 Chlorobenzene - d5	117		7.366	7.366	(1.000)	960472	10.0000	(M)	
\$ 9 1,4-dichlorobenzene-d4 (S)	150		Compound Not Detected.						
10 1,2-Dibromo-3-chloropropane	157		11.859	11.859	(2.618)	4836	0.10000	0.107 (aM)	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.: 10341033
EPA Sample No. (VSTD050##): CCV Date Analyzed: 03/23/2016
Lab File ID (Standard): 08302.D Time Analyzed: 07:50
Instrument ID: 10AIRB Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	589413	5.575	357129	8.642
UPPER LIMIT	825178	6.075	499981	9.142
LOWER LIMIT	353648	5.075	214277	8.142
EPA SAMPLE NO.				
LCS for HBN 406101 [AIR/25521]	543317	5.575	316985	8.642
BLANK for HBN 406101 [AIR/2552]	545327	5.551	299419	8.629
IA-D7_20160308	555202	5.551	310195	8.636
IA-E10_20160308	546852	5.551	305088	8.629

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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8 FORM VIII VOA-I
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Pace Analytical Contract:
Lab Code: PASI Case No.: SAS No.: SDG No.: 10341033
EPA Sample No. (VSTD050##): CCV Date Analyzed: 03/23/2016
Lab File ID (Standard): 08306.D Time Analyzed: 09:45
Instrument ID: 10AIRD Heated Purge (Y/N): N
GC Column: J&W DB-5 ID: 0.32 (mm)

EPA SAMPLE NO.	IS1 AREA #	RT #	IS2 AREA #	RT #
INITIAL CALIBRATION STANDARD	868444	4.541	422531	7.355
UPPER LIMIT	1215822	5.041	591543	7.855
LOWER LIMIT	521066	4.041	253519	6.855
EPA SAMPLE NO.				
LCS for HBN 405530 [AIR/25477]	833728	4.538	391785	7.352
BLANK for HBN 405530 [AIR/2547]	759895	4.522	355854	7.346
IA-Prop1_20160308	821209	4.525	370124	7.346
IA-Prop1_20160308(2207425DUP)	808288	4.528	356514	7.349
IA-Prop2_20160308	820836	4.525	363635	7.346
IA-Prop3_20160308	828317	4.522	370031	7.346
IA-Prop4_20160308	831049	4.522	366877	7.346
IA-13_20160308	824467	4.531	361337	7.352
SS-C1_20160308DUP	817443	4.525	368490	7.349
SS-E10_20160308DUP	797428	4.525	354837	7.346
IA-Prop1_20160308DUP	795632	4.525	354563	7.342
IA-C20_20160308DUP	798900	4.525	354487	7.343
AA_20160308	791626	4.525	348149	7.346

IS1 = 1,4-Difluorobenzene
IS2 = Chlorobenzene - d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

FORM VIII VOA
REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405529 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07822_25476.D

Lab Sample ID: 2212935

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 18:51

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405529 [AIR/	2212936	07811_25476.D	14:30
02	LCS for HBN 405529 [AIR/	2212936	07820_25476.D	18:01
03	SS-C1*_20160308	10341033001	07827.D	21:00
04	SS-C20*_20160308	10341033002	07828.D	21:27
05	SS-D7*_20160308	10341033003	07829.D	21:54
06	SS-E10*_20160308	10341033004	07830.D	22:21
07	SS-E16*_20160308	10341033005	07831.D	22:48
08	SS-G5*_20160308	10341033006	07832.D	23:15
09	SS-H21*_20160308	10341033007	07833.D	23:42
10	SS-Prop1_20160308	10341033008	07834.D	00:10
11	SS-Prop2_20160308	10341033009	07835.D	00:37
12	SS-Prop3_20160308	10341033010	07836.D	01:04
13	SS-Prop4_20160308	10341033011	07837.D	01:31
14	SS-12_20160308	10341033012	07838.D	01:58
15	IA-C1_20160308	10341033013	07839.D	02:25
16	IA-C20_20160308	10341033014	07840.D	02:52
17	IA-E16_20160308	10341033017	07843.D	04:14
18	IA-G5_20160308	10341033018	07844.D	04:41
19	IA-H21_20160308	10341033019	07845.D	05:09

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405529 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07822_25476.D

Lab Sample ID: 2212935

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 18:51

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405529 [AIR/	2212936	07811_25476.D	14:30
02	LCS for HBN 405529 [AIR/	2212936	07820_25476.D	18:01
03	SS-C1*_20160308	10341033001	07827.D	21:00
04	SS-C20*_20160308	10341033002	07828.D	21:27
05	SS-D7*_20160308	10341033003	07829.D	21:54
06	SS-E10*_20160308	10341033004	07830.D	22:21
07	SS-E16*_20160308	10341033005	07831.D	22:48
08	SS-G5*_20160308	10341033006	07832.D	23:15
09	SS-H21*_20160308	10341033007	07833.D	23:42
10	SS-Prop1_20160308	10341033008	07834.D	00:10
11	SS-Prop2_20160308	10341033009	07835.D	00:37
12	SS-Prop3_20160308	10341033010	07836.D	01:04
13	SS-Prop4_20160308	10341033011	07837.D	01:31
14	SS-12_20160308	10341033012	07838.D	01:58
15	IA-C1_20160308	10341033013	07839.D	02:25
16	IA-C20_20160308	10341033014	07840.D	02:52
17	IA-E16_20160308	10341033017	07843.D	04:14
18	IA-G5_20160308	10341033018	07844.D	04:41
19	IA-H21_20160308	10341033019	07845.D	05:09

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405529 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08406A.D

Lab Sample ID: 2212935

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 11:00

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405529 [AIR/	2212936	08402A.D	09:02
02	SS-Prop2_20160308	10341033009	08408.D	12:00
03	SS-D7*_20160308	10341033003	08409.D	12:28
04	SS-C20*_20160308	10341033002	08410.D	12:55
05	SS-C1*_20160308	10341033001	08411.D	13:24
06	SS-H21*_20160308	10341033007	08412.D	13:52
07	SS-G5*_20160308	10341033006	08413.D	14:19
08	IA-H21_20160308	10341033019	08414.D	14:47
09	SS-12_20160308	10341033012	08415.D	15:14
10	SS-Prop3_20160308	10341033010	08416.D	15:41

QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

QC Batch:	AIR/25476	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10341033001, 10341033002, 10341033003, 10341033004, 10341033005, 10341033006, 10341033007, 10341033008, 10341033009, 10341033010, 10341033011, 10341033012, 10341033013, 10341033014, 10341033017, 10341033018, 10341033019		

METHOD BLANK: 2212935

Matrix: Air

Associated Lab Samples: 10341033001, 10341033002, 10341033003, 10341033004, 10341033005, 10341033006, 10341033007, 10341033008, 10341033009, 10341033010, 10341033011, 10341033012, 10341033013, 10341033014, 10341033017, 10341033018, 10341033019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/18/16 18:51	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/18/16 18:51	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/18/16 18:51	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/18/16 18:51	
1,1-Dichloroethane	ug/m3	ND	0.82	03/18/16 18:51	
1,1-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
1,1-Difluoroethane	ug/m3	ND	1.4	03/18/16 18:51	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	03/24/16 11:00	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/18/16 18:51	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/18/16 18:51	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/18/16 18:51	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,2-Dichloroethane	ug/m3	ND	0.41	03/18/16 18:51	
1,2-Dichloropropane	ug/m3	ND	0.94	03/18/16 18:51	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/18/16 18:51	
1,3-Butadiene	ug/m3	ND	0.45	03/18/16 18:51	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/24/16 11:00	
2-Butanone (MEK)	ug/m3	ND	3.0	03/18/16 18:51	
2-Hexanone	ug/m3	ND	4.2	03/18/16 18:51	
2-Propanol	ug/m3	ND	2.5	03/24/16 11:00	
4-Ethyltoluene	ug/m3	ND	1.0	03/18/16 18:51	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/18/16 18:51	
Acetone	ug/m3	ND	2.4	03/18/16 18:51	
Allyl chloride	ug/m3	ND	1.6	03/18/16 18:51	
Benzene	ug/m3	ND	0.32	03/18/16 18:51	
Bromodichloromethane	ug/m3	ND	1.4	03/18/16 18:51	
Bromoform	ug/m3	ND	5.3	03/18/16 18:51	
Bromomethane	ug/m3	ND	0.79	03/18/16 18:51	
Carbon disulfide	ug/m3	ND	0.63	03/18/16 18:51	
Carbon tetrachloride	ug/m3	ND	0.64	03/18/16 18:51	
Chlorobenzene	ug/m3	ND	0.94	03/18/16 18:51	
Chlorodifluoromethane	ug/m3	ND	0.72	03/18/16 18:51	
Chloroethane	ug/m3	ND	0.54	03/18/16 18:51	
Chloroform	ug/m3	ND	0.50	03/18/16 18:51	
Chloromethane	ug/m3	ND	0.42	03/18/16 18:51	
Chloropentafluoroethane	ug/m3	ND	3.2	03/18/16 18:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

METHOD BLANK: 2212935

Matrix: Air

Associated Lab Samples: 10341033001, 10341033002, 10341033003, 10341033004, 10341033005, 10341033006, 10341033007, 10341033008, 10341033009, 10341033010, 10341033011, 10341033012, 10341033013, 10341033014, 10341033017, 10341033018, 10341033019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/18/16 18:51	
Cyclohexane	ug/m3	ND	0.70	03/18/16 18:51	
Dibromochloromethane	ug/m3	ND	1.7	03/18/16 18:51	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/18/16 18:51	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/18/16 18:51	
Ethylbenzene	ug/m3	ND	0.88	03/18/16 18:51	
Freon 123	ug/m3	ND	3.2	03/18/16 18:51	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	03/18/16 18:51	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/18/16 18:51	
m&p-Xylene	ug/m3	ND	1.8	03/18/16 18:51	
Methyl acetate	ug/m3	ND	1.5	03/18/16 18:51	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/18/16 18:51	
Methylcyclohexane	ug/m3	ND	0.82	03/18/16 18:51	
Methylene Chloride	ug/m3	ND	3.5	03/18/16 18:51	
n-Hexane	ug/m3	ND	0.72	03/18/16 18:51	
o-Xylene	ug/m3	ND	0.88	03/18/16 18:51	
Styrene	ug/m3	ND	0.87	03/18/16 18:51	
Tetrachloroethene	ug/m3	ND	0.69	03/18/16 18:51	
Toluene	ug/m3	ND	0.77	03/18/16 18:51	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/18/16 18:51	
Trichloroethene	ug/m3	ND	0.55	03/18/16 18:51	
Trichlorofluoromethane	ug/m3	ND	1.1	03/18/16 18:51	
Vinyl chloride	ug/m3	ND	0.26	03/18/16 18:51	

LABORATORY CONTROL SAMPLE: 2212936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	54.0	97	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	80.6	115	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	61.7	111	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.5	102	66-131	
1,1-Dichloroethane	ug/m3	41.2	39.8	97	62-139	
1,1-Dichloroethene	ug/m3	40.3	39.2	97	62-135	
1,1-Difluoroethane	ug/m3		6.5			
1,2,4-Trichlorobenzene	ug/m3	75.5	81.0	107	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	66.8	134	57-143	
1,2-Dibromo-3-chloropropane	ug/m3		22.9			SS
1,2-Dibromoethane (EDB)	ug/m3	78.1	87.5	112	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	74.5	122	57-141	
1,2-Dichloroethane	ug/m3	41.2	41.0	100	61-144	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

LABORATORY CONTROL SAMPLE: 2212936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/m3	47	50.4	107	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	64.6	129	54-147	
1,3-Butadiene	ug/m3	22.5	22.2	99	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	88.6	145	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	82.6	135	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	45.8	125	58-144	
2-Butanone (MEK)	ug/m3	30	34.5	115	66-144	
2-Hexanone	ug/m3	41.7	56.1	135	63-147	
2-Propanol	ug/m3	125	129	103	54-146	
4-Ethyltoluene	ug/m3	50	64.8	130	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	50.4	121	58-150	
Acetone	ug/m3	24.2	21.2	88	46-140	
Allyl chloride	ug/m3	31.8	33.2	104	65-142	
Benzene	ug/m3	32.5	35.6	110	62-141	
Bromodichloromethane	ug/m3	68.2	74.9	110	58-149	
Bromoform	ug/m3	105	115	110	61-150	
Bromomethane	ug/m3	39.5	39.6	100	58-136	
Carbon disulfide	ug/m3	31.7	32.5	103	59-135	
Carbon tetrachloride	ug/m3	64	75.6	118	60-149	
Chlorobenzene	ug/m3	46.8	52.0	111	60-150	
Chlorodifluoromethane	ug/m3	36	33.8	94	70-130	
Chloroethane	ug/m3	26.8	29.2	109	61-136	
Chloroform	ug/m3	49.7	46.2	93	65-138	
Chloromethane	ug/m3	21	19.6	93	62-133	
Chloropentafluoroethane	ug/m3		16.0			CH,IC,L3,SS
cis-1,2-Dichloroethene	ug/m3	40.3	42.3	105	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	54.9	119	61-149	
Cyclohexane	ug/m3	35	39.4	112	64-134	
Dibromochloromethane	ug/m3	86.6	104	120	59-150	
Dichlorodifluoromethane	ug/m3	50.3	48.3	96	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	68.6	97	62-134	
Ethylbenzene	ug/m3	44.2	50.3	114	59-149	
Freon 123	ug/m3		12.4			SS
Hexachloro-1,3-butadiene	ug/m3	108	165	152	42-150	L3,SS
Isopropylbenzene (Cumene)	ug/m3	50	58.5	117	65-150	
m&p-Xylene	ug/m3	44.2	49.5	112	59-146	
Methyl acetate	ug/m3		7.0			SS
Methyl-tert-butyl ether	ug/m3	36.7	37.9	103	64-135	
Methylcyclohexane	ug/m3	40.8	50.8	124	70-130	
Methylene Chloride	ug/m3	35.3	36.8	104	64-128	
n-Hexane	ug/m3	35.8	31.7	88	50-138	
o-Xylene	ug/m3	44.2	50.1	113	54-149	
Styrene	ug/m3	43.3	54.0	125	54-150	
Tetrachloroethene	ug/m3	69	71.2	103	60-142	
Toluene	ug/m3	38.3	42.4	111	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	41.0	102	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	59.9	130	59-145	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

LABORATORY CONTROL SAMPLE: 2212936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	54.6	59.3	109	60-144	
Trichlorofluoromethane	ug/m3	57.1	52.4	92	59-134	
Vinyl chloride	ug/m3	26	25.2	97	63-135	

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REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405530 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07916.D

Lab Sample ID: 2212937

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 15:41

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405530 [AIR/	2212938	07913LCS.D	14:25
02	IA-Prop1_20160308	10341033020	07917.D	16:50
03	IA-Prop2_20160308	10341033021	07919.D	17:43
04	IA-Prop3_20160308	10341033022	07920.D	18:10
05	IA-Prop4_20160308	10341033023	07921.D	18:37
06	IA-13_20160308	10341033024	07922.D	19:04
07	SS-C1_20160308DUP	10341033025	07923.D	19:31
08	SS-E10_20160308DUP	10341033026	07924.D	19:58
09	IA-Prop1_20160308DUP	10341033027	07925.D	20:25
10	IA-C20_20160308DUP	10341033028	07927.D	21:14
11	AA_20160308	10341033029	07929.D	22:08

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405530 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08313.D

Lab Sample ID: 2212937

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 13:16

Instrument ID: 10AIRD

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405530 [AIR/	2212938	08306LCS.D	09:45
02	IA-Prop1_20160308	10341033020	08318.D	15:37
03	IA-Prop2_20160308	10341033021	08320.D	16:38
04	IA-Prop3_20160308	10341033022	08321.D	17:07
05	IA-Prop4_20160308	10341033023	08322.D	17:37
06	IA-13_20160308	10341033024	08323.D	18:05
07	SS-C1_20160308DUP	10341033025	08324.D	18:35
08	SS-E10_20160308DUP	10341033026	08325.D	19:04
09	IA-Prop1_20160308DUP	10341033027	08326.D	19:33
10	IA-C20_20160308DUP	10341033028	08327.D	20:02
11	AA_20160308	10341033029	08328.D	20:31

QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

QC Batch:	AIR/25477	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10341033020, 10341033021, 10341033022, 10341033023, 10341033024, 10341033025, 10341033026, 10341033027, 10341033028, 10341033029		

METHOD BLANK:	2212937	Matrix:	Air
Associated Lab Samples:	10341033020, 10341033021, 10341033022, 10341033023, 10341033024, 10341033025, 10341033026, 10341033027, 10341033028, 10341033029		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/19/16 15:41	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/19/16 15:41	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/19/16 15:41	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/19/16 15:41	
1,1-Dichloroethane	ug/m3	ND	0.82	03/19/16 15:41	
1,1-Dichloroethene	ug/m3	ND	0.81	03/19/16 15:41	
1,1-Difluoroethane	ug/m3	ND	1.4	03/19/16 15:41	SS
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	03/23/16 13:16	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	03/19/16 15:41	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/19/16 15:41	SS
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/19/16 15:41	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/19/16 15:41	
1,2-Dichloroethane	ug/m3	ND	0.41	03/19/16 15:41	
1,2-Dichloropropane	ug/m3	ND	0.94	03/19/16 15:41	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	03/19/16 15:41	
1,3-Butadiene	ug/m3	ND	0.45	03/19/16 15:41	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/19/16 15:41	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/19/16 15:41	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/19/16 15:41	
2-Butanone (MEK)	ug/m3	ND	3.0	03/19/16 15:41	
2-Hexanone	ug/m3	ND	4.2	03/19/16 15:41	
2-Propanol	ug/m3	ND	2.5	03/19/16 15:41	
4-Ethyltoluene	ug/m3	ND	2.5	03/19/16 15:41	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/19/16 15:41	
Acetone	ug/m3	ND	2.4	03/19/16 15:41	
Allyl chloride	ug/m3	ND	1.6	03/19/16 15:41	
Benzene	ug/m3	ND	0.32	03/19/16 15:41	
Bromodichloromethane	ug/m3	ND	1.4	03/19/16 15:41	
Bromoform	ug/m3	ND	5.3	03/19/16 15:41	
Bromomethane	ug/m3	ND	0.79	03/19/16 15:41	
Carbon disulfide	ug/m3	ND	0.63	03/19/16 15:41	
Carbon tetrachloride	ug/m3	ND	0.64	03/19/16 15:41	
Chlorobenzene	ug/m3	ND	0.94	03/19/16 15:41	
Chlorodifluoromethane	ug/m3	ND	0.72	03/19/16 15:41	
Chloroethane	ug/m3	ND	0.54	03/19/16 15:41	
Chloroform	ug/m3	ND	0.50	03/19/16 15:41	
Chloromethane	ug/m3	ND	0.42	03/19/16 15:41	
Chloropentafluoroethane	ug/m3	ND	3.2	03/19/16 15:41	SS
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/19/16 15:41	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/19/16 15:41	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

METHOD BLANK: 2212937

Matrix: Air

Associated Lab Samples: 10341033020, 10341033021, 10341033022, 10341033023, 10341033024, 10341033025, 10341033026, 10341033027, 10341033028, 10341033029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyclohexane	ug/m3	ND	0.70	03/19/16 15:41	
Dibromochloromethane	ug/m3	ND	1.7	03/19/16 15:41	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/19/16 15:41	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/19/16 15:41	
Ethylbenzene	ug/m3	ND	0.88	03/19/16 15:41	
Freon 123	ug/m3	ND	3.2	03/19/16 15:41	SS
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	03/19/16 15:41	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/19/16 15:41	
m&p-Xylene	ug/m3	ND	1.8	03/19/16 15:41	
Methyl acetate	ug/m3	ND	1.5	03/19/16 15:41	SS
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/19/16 15:41	
Methylcyclohexane	ug/m3	ND	0.82	03/19/16 15:41	
Methylene Chloride	ug/m3	ND	3.5	03/19/16 15:41	
n-Hexane	ug/m3	ND	0.72	03/19/16 15:41	
o-Xylene	ug/m3	ND	0.88	03/19/16 15:41	
Styrene	ug/m3	ND	0.87	03/19/16 15:41	
Tetrachloroethene	ug/m3	ND	0.69	03/19/16 15:41	
Toluene	ug/m3	ND	0.77	03/19/16 15:41	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/19/16 15:41	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/19/16 15:41	
Trichloroethene	ug/m3	ND	0.55	03/19/16 15:41	
Trichlorofluoromethane	ug/m3	ND	1.1	03/19/16 15:41	
Vinyl chloride	ug/m3	ND	0.26	03/19/16 15:41	

LABORATORY CONTROL SAMPLE: 2212938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.7	56.1	97	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	74	70.7	96	49-150	
1,1,2-Trichloroethane	ug/m3	58.8	55.8	95	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	77.3	94	66-131	
1,1-Dichloroethane	ug/m3	43.2	38.5	89	62-139	
1,1-Dichloroethene	ug/m3	42.3	38.1	90	62-135	
1,1-Difluoroethane	ug/m3	5.5	6.7	122	50-150	SS
1,2,4-Trichlorobenzene	ug/m3	73.9	92.4	125	55-146	
1,2,4-Trimethylbenzene	ug/m3	51.5	44.3	86	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	19.6	28.0	143	50-150	CH,SS
1,2-Dibromoethane (EDB)	ug/m3	82.8	79.6	96	63-150	
1,2-Dichlorobenzene	ug/m3	62.9	57.8	92	57-141	
1,2-Dichloroethane	ug/m3	43.6	42.5	97	61-144	
1,2-Dichloropropane	ug/m3	50.2	46.6	93	63-144	
1,3,5-Trimethylbenzene	ug/m3	51.5	44.5	87	54-147	
1,3-Butadiene	ug/m3	23.2	20.6	89	61-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

LABORATORY CONTROL SAMPLE: 2212938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/m3	63.6	57.2	90	51-150	
1,4-Dichlorobenzene	ug/m3	61.7	55.8	90	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	38.5	39.2	102	58-144	
2-Butanone (MEK)	ug/m3	32.1	31.2	97	66-144	
2-Hexanone	ug/m3	45	47.6	106	63-147	
2-Propanol	ug/m3	25.7	24.8	96	54-146	
4-Ethyltoluene	ug/m3	49.5	46.1	93	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.7	45.6	104	58-150	
Acetone	ug/m3	24.9	23.8	96	46-140	
Allyl chloride	ug/m3	35	32.9	94	65-142	
Benzene	ug/m3	34.4	32.5	94	62-141	
Bromodichloromethane	ug/m3	71.5	70.0	98	58-149	
Bromoform	ug/m3	113	98.0	86	61-150	
Bromomethane	ug/m3	38.3	36.2	94	58-136	
Carbon disulfide	ug/m3	33.2	31.1	94	59-135	
Carbon tetrachloride	ug/m3	67.1	69.7	104	60-149	
Chlorobenzene	ug/m3	50.1	47.3	94	60-150	
Chlorodifluoromethane	ug/m3	37.4	31.7	85	70-130	
Chloroethane	ug/m3	26	26.0	100	61-136	
Chloroform	ug/m3	51.6	48.0	93	65-138	
Chloromethane	ug/m3	21	18.3	87	62-133	
Chloropentafluoroethane	ug/m3	12.8	15.5	121	50-150	SS
cis-1,2-Dichloroethene	ug/m3	43.5	39.2	90	65-139	
cis-1,3-Dichloropropene	ug/m3	51.7	50.1	97	61-149	
Cyclohexane	ug/m3	36.7	34.9	95	64-134	
Dibromochloromethane	ug/m3	97	96.0	99	59-150	
Dichlorodifluoromethane	ug/m3	50.3	46.3	92	63-134	
Dichlorotetrafluoroethane	ug/m3	69.6	63.3	91	62-134	
Ethylbenzene	ug/m3	47.2	45.0	95	59-149	
Freon 123	ug/m3	12.7	9.6	76	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	115	106	42-150	
Isopropylbenzene (Cumene)	ug/m3	51	53.3	105	65-150	
m&p-Xylene	ug/m3	47.7	45.8	96	59-146	
Methyl acetate	ug/m3	6.2	6.3	102	50-150	SS
Methyl-tert-butyl ether	ug/m3	38.5	37.0	96	64-135	
Methylcyclohexane	ug/m3	42.9	45.2	105	70-130	
Methylene Chloride	ug/m3	38.8	36.0	93	64-128	
n-Hexane	ug/m3	37.6	31.6	84	50-138	
o-Xylene	ug/m3	46.8	44.9	96	54-149	
Styrene	ug/m3	45.5	48.8	107	54-150	
Tetrachloroethene	ug/m3	72.4	66.8	92	60-142	
Toluene	ug/m3	41	39.0	95	61-138	
trans-1,2-Dichloroethene	ug/m3	41.1	40.9	100	67-137	
trans-1,3-Dichloropropene	ug/m3	51.7	53.4	103	59-145	
Trichloroethene	ug/m3	57.4	57.1	100	60-144	
Trichlorofluoromethane	ug/m3	58.2	50.0	86	59-134	
Vinyl chloride	ug/m3	26.5	25.0	94	63-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

SAMPLE DUPLICATE: 2214033

Parameter	Units	10341033020 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,1-Difluoroethane	ug/m3	12.6	12.5	1	25	SS
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	2J		25	
1,2-Dibromo-3-chloropropane	ug/m3	ND	ND		25	SS
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	3.2J		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	123	115	7	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	36.5	32.4	12	25	
Allyl chloride	ug/m3	ND	ND		25	
Benzene	ug/m3	1.0	1.1	5	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	2.1	1.9	7	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chlorodifluoromethane	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	31.1	30.9	1	25	
Chloromethane	ug/m3	1.4	1.3	5	25	
Chloropentafluoroethane	ug/m3	26.8	26.4	2	25	SS
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	2.4		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Freon 123	ug/m3	ND	ND		25	SS
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

SAMPLE DUPLICATE: 2214033

Parameter	Units	10341033020 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	1.5J		25	
Methyl acetate	ug/m3	ND	ND		25	SS
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylcyclohexane	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	2.2J		25	
n-Hexane	ug/m3	ND	1.2J		25	
o-Xylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	
Toluene	ug/m3	2.4	2.3	3	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	1.1J		25	
Vinyl chloride	ug/m3	ND	ND		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 406101 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08206_25521.D

Lab Sample ID: 2215767

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 10:45

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 406101 [AIR/	2215768	08203_25521.D	08:56
02	IA-D7_20160308	10341033015	08249.D	07:19
03	IA-E10_20160308	10341033016	08250.D	07:46

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 406101 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08304_25521.D

Lab Sample ID: 2215767

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 09:18

Instrument ID: 10AIRB

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 406101 [AIR/	2215768	08302_25521.D	07:50
02	IA-D7_20160308	10341033015	08310.D	12:59
03	IA-E10_20160308	10341033016	08311.D	13:31

FORM 4
METHOD BLANK SUMMARY

EPA SAMPLE NO.

BLANK FOR HBN 405529 [

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08406A.D

Lab Sample ID: 2212935

GC Column: J&W DB-5 ID: 0.32 (mm)

Time Analyzed: 11:00

Instrument ID: 10AIR7

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS for HBN 405529 [AIR/	2212936	08402A.D	09:02
02	SS-Prop2_20160308	10341033009	08408.D	12:00
03	SS-D7*_20160308	10341033003	08409.D	12:28
04	SS-C20*_20160308	10341033002	08410.D	12:55
05	SS-C1*_20160308	10341033001	08411.D	13:24
06	SS-H21*_20160308	10341033007	08412.D	13:52
07	SS-G5*_20160308	10341033006	08413.D	14:19
08	IA-H21_20160308	10341033019	08414.D	14:47
09	SS-12_20160308	10341033012	08415.D	15:14
10	SS-Prop3_20160308	10341033010	08416.D	15:41

QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

QC Batch: AIR/25521

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10341033015, 10341033016

METHOD BLANK: 2215767

Matrix: Air

Associated Lab Samples: 10341033015, 10341033016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/23/16 09:18	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/23/16 09:18	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/23/16 09:18	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/23/16 09:18	
1,1-Dichloroethane	ug/m3	ND	0.82	03/23/16 09:18	
1,1-Dichloroethene	ug/m3	ND	0.81	03/23/16 09:18	
1,1-Difluoroethane	ug/m3	ND	1.4	03/22/16 10:45	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	03/23/16 09:18	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/23/16 09:18	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/22/16 10:45	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/23/16 09:18	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/23/16 09:18	
1,2-Dichloroethane	ug/m3	ND	0.41	03/23/16 09:18	
1,2-Dichloropropane	ug/m3	ND	0.94	03/23/16 09:18	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/23/16 09:18	
1,3-Butadiene	ug/m3	ND	0.45	03/23/16 09:18	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/23/16 09:18	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/23/16 09:18	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/23/16 09:18	
2-Butanone (MEK)	ug/m3	ND	3.0	03/23/16 09:18	
2-Hexanone	ug/m3	ND	4.2	03/23/16 09:18	
2-Propanol	ug/m3	ND	2.5	03/23/16 09:18	
4-Ethyltoluene	ug/m3	ND	1.0	03/23/16 09:18	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/23/16 09:18	
Acetone	ug/m3	ND	2.4	03/23/16 09:18	
Allyl chloride	ug/m3	ND	1.6	03/23/16 09:18	
Benzene	ug/m3	ND	0.65	03/23/16 09:18	
Bromodichloromethane	ug/m3	ND	1.4	03/23/16 09:18	
Bromoform	ug/m3	ND	2.1	03/23/16 09:18	
Bromomethane	ug/m3	ND	0.79	03/23/16 09:18	
Carbon disulfide	ug/m3	ND	0.63	03/23/16 09:18	
Carbon tetrachloride	ug/m3	ND	0.64	03/23/16 09:18	
Chlorobenzene	ug/m3	ND	0.94	03/23/16 09:18	
Chlorodifluoromethane	ug/m3	ND	0.72	03/23/16 09:18	
Chloroethane	ug/m3	ND	0.54	03/23/16 09:18	
Chloroform	ug/m3	ND	0.99	03/23/16 09:18	
Chloromethane	ug/m3	ND	0.42	03/23/16 09:18	
Chloropentafluoroethane	ug/m3	ND	3.2	03/22/16 10:45	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/23/16 09:18	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/23/16 09:18	
Cyclohexane	ug/m3	ND	0.70	03/23/16 09:18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

METHOD BLANK: 2215767

Matrix: Air

Associated Lab Samples: 10341033015, 10341033016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/m3	ND	1.7	03/23/16 09:18	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/23/16 09:18	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/23/16 09:18	
Ethylbenzene	ug/m3	ND	0.88	03/23/16 09:18	
Freon 123	ug/m3	ND	3.2	03/22/16 10:45	
Hexachloro-1,3-butadiene	ug/m3	ND	10.8	03/23/16 09:18	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/23/16 09:18	
m&p-Xylene	ug/m3	ND	1.8	03/23/16 09:18	
Methyl acetate	ug/m3	ND	1.5	03/22/16 10:45	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/23/16 09:18	
Methylcyclohexane	ug/m3	ND	0.82	03/23/16 09:18	
Methylene Chloride	ug/m3	ND	3.5	03/23/16 09:18	
n-Hexane	ug/m3	ND	0.72	03/23/16 09:18	
o-Xylene	ug/m3	ND	0.88	03/23/16 09:18	
Styrene	ug/m3	ND	0.87	03/23/16 09:18	
Tetrachloroethene	ug/m3	ND	0.69	03/23/16 09:18	
Toluene	ug/m3	ND	0.77	03/23/16 09:18	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/23/16 09:18	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/23/16 09:18	
Trichloroethene	ug/m3	ND	0.55	03/23/16 09:18	
Trichlorofluoromethane	ug/m3	ND	1.1	03/23/16 09:18	
Vinyl chloride	ug/m3	ND	0.26	03/23/16 09:18	

LABORATORY CONTROL SAMPLE: 2215768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	60.1	108	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	85.7	123	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	59.8	108	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	82.6	106	66-131	
1,1-Dichloroethane	ug/m3	41.2	43.5	106	62-139	
1,1-Dichloroethene	ug/m3	40.3	43.1	107	62-135	
1,1-Difluoroethane	ug/m3		6.2			SS
1,2,4-Trichlorobenzene	ug/m3	75.5	74.8	99	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	66.1	132	57-143	CH
1,2-Dibromo-3-chloropropane	ug/m3		32.4			L3,SS
1,2-Dibromoethane (EDB)	ug/m3	78.1	92.3	118	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	82.3	135	57-141	CH
1,2-Dichloroethane	ug/m3	41.2	42.7	104	61-144	
1,2-Dichloropropane	ug/m3	47	50.2	107	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	64.6	129	54-147	
1,3-Butadiene	ug/m3	22.5	23.2	103	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	81.4	133	51-150	CH
1,4-Dichlorobenzene	ug/m3	61.2	78.0	127	57-143	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

LABORATORY CONTROL SAMPLE: 2215768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	41.6	114	58-144	
2-Butanone (MEK)	ug/m3	150	163	108	66-144	
2-Hexanone	ug/m3	208	219	105	63-147	
2-Propanol	ug/m3	125	130	104	54-146	
4-Ethyltoluene	ug/m3	50	67.5	135	56-150	CH
4-Methyl-2-pentanone (MIBK)	ug/m3	208	198	95	58-150	
Acetone	ug/m3	121	115	95	46-140	
Allyl chloride	ug/m3	79.6	91.3	115	65-142	
Benzene	ug/m3	32.5	34.7	107	62-141	
Bromodichloromethane	ug/m3	68.2	76.2	112	58-149	
Bromoform	ug/m3	105	149	142	61-150	CH
Bromomethane	ug/m3	39.5	41.1	104	58-136	
Carbon disulfide	ug/m3	31.7	34.7	110	59-135	
Carbon tetrachloride	ug/m3	64	71.7	112	60-149	
Chlorobenzene	ug/m3	46.8	54.1	115	60-150	
Chlorodifluoromethane	ug/m3	36	35.1	98	70-130	
Chloroethane	ug/m3	26.8	30.1	112	61-136	
Chloroform	ug/m3	49.7	52.6	106	65-138	
Chloromethane	ug/m3	21	21.3	101	62-133	
Chloropentafluoroethane	ug/m3		15.5			SS
cis-1,2-Dichloroethene	ug/m3	40.3	43.1	107	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	51.7	112	61-149	
Cyclohexane	ug/m3	35	38.1	109	64-134	
Dibromochloromethane	ug/m3	86.6	108	124	59-150	
Dichlorodifluoromethane	ug/m3	50.3	51.4	102	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	71.7	101	62-134	
Ethylbenzene	ug/m3	44.2	54.7	124	59-149	
Freon 123	ug/m3		4.6			CL,L2,SS
Hexachloro-1,3-butadiene	ug/m3	108	111	102	42-150	
Isopropylbenzene (Cumene)	ug/m3	50	60.6	121	65-150	
m&p-Xylene	ug/m3	88.3	108	122	59-146	
Methyl acetate	ug/m3		5.2			SS
Methyl-tert-butyl ether	ug/m3	183	199	109	64-135	
Methylcyclohexane	ug/m3	40.8	47.8	117	70-130	
Methylene Chloride	ug/m3	177	184	104	64-128	
n-Hexane	ug/m3	35.8	37.2	104	50-138	
o-Xylene	ug/m3	44.2	54.5	123	54-149	
Styrene	ug/m3	43.3	55.6	128	54-150	
Tetrachloroethene	ug/m3	69	78.8	114	60-142	
Toluene	ug/m3	38.3	41.9	109	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	45.3	112	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	56.1	122	59-145	
Trichloroethene	ug/m3	54.6	59.1	108	60-144	
Trichlorofluoromethane	ug/m3	57.1	59.4	104	59-134	
Vinyl chloride	ug/m3	26	25.9	99	63-135	

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REPORT OF LABORATORY ANALYSIS

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5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07501BFB.D

BFB Injection Date: 03/15/2016

Instrument ID: 10AIR7

BFB Injection Time: 10:53

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	29.31
75	30.00 - 66.00% of mass 95	49.49
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.66 (0.87)
174	50.00 - 120.00% of mass 95	76.18
175	4.00 - 9.00% of mass 174	6.53 (8.57)
176	93.00 - 101.00% of mass 174	74.98 (98.43)
177	5.00 - 9.00% of mass 176	4.98 (6.64)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07504.D	03/15/2016	12:30
2	CAL2	CAL2	07505.D	03/15/2016	12:52
3	CAL3	CAL3	07506.D	03/15/2016	13:16
4	CAL4	CAL4	07507.D	03/15/2016	13:40
5	CAL5	CAL5	07508.D	03/15/2016	14:07
6	CAL6	CAL6	07509.D	03/15/2016	14:37
7	ICV	ICV	07511.D	03/15/2016	15:21

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 15-MAR-2016 12:30
End Cal Date : 15-MAR-2016 14:37
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031516SIM.b\TO15cust_075-16.m
Last Edit : 24-Mar-2016 11:36 mschmitz

Calibration File Names:
Level 01: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07504.D
Level 02: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07505.D
Level 03: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07506.D
Level 04: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07507.D
Level 05: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07508.D
Level 06: all \\192.168.10.12\chem\10air7.i\031516SIM.b\07509.D

	0.1000000	0.2000000	0.5000000	1.0000	2.0000	3.0000			Coefficients		%RSD
Compound (all.sb)	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
1 Chloropentafluoroethane	0.43692	0.39095	0.33472	0.31584	0.31339	0.32284	AVRG		0.35244		14.28529
2 1,1-Difluoroethane	1.21450	1.09270	0.94262	0.88304	0.87739	0.89162	AVRG		0.98365		14.14150
3 Freon 123	1.01579	0.99263	0.96698	0.94713	0.96756	0.95744	AVRG		0.97459		2.58719
4 Methyl Acetate	2.03835	2.03316	1.93872	2.07157	1.98595	1.89886	AVRG		1.99444		3.30220
10 1,2-Dibromo-3-chloropropane	0.27494	0.21870	0.22255	0.22539	0.28124	0.31795	AVRG		0.25680		15.84481
\$ 5 Hexane-d14 (S)	++++	++++	++++	++++	++++	++++	AVRG		[0.000e+000]		[0.000e+000]<-
\$ 7 Toluene-d8 (S)	++++	++++	++++	++++	++++	++++	AVRG		[0.000e+000]		[0.000e+000]<-
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	++++	++++	++++	++++	AVRG		[0.000e+000]		[0.000e+000]<-

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07801.D

BFB Injection Date: 03/18/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:37

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	34.85
75	30.00 - 66.00% of mass 95	51.81
96	5.00 - 9.00% of mass 95	6.79
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	74.34
175	4.00 - 9.00% of mass 174	6.26 (8.42)
176	93.00 - 101.00% of mass 174	73.74 (99.20)
177	5.00 - 9.00% of mass 176	4.86 (6.60)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	LCS for HBN 405529 [AIR/25476]	2212936	07811_25476.	03/18/2016	14:30
2	CCV	CCV	07811.D	03/18/2016	14:30
3	BLANK for HBN 405529 [AIR/2547	2212935	07822_25476.	03/18/2016	18:51
4	VP-106_84_20160218(2196079DUP)	2213853-DUP	07826.D	03/18/2016	20:32
5	SS-C1*_20160308	10341033001	07827.D	03/18/2016	21:00
6	SS-C20*_20160308	10341033002	07828.D	03/18/2016	21:27
7	SS-D7*_20160308	10341033003	07829.D	03/18/2016	21:54
8	SS-E10*_20160308	10341033004	07830.D	03/18/2016	22:21
9	SS-E16*_20160308	10341033005	07831.D	03/18/2016	22:48
10	SS-G5*_20160308	10341033006	07832.D	03/18/2016	23:15
11	SS-H21*_20160308	10341033007	07833.D	03/18/2016	23:42
12	SS-Prop1_20160308	10341033008	07834.D	03/19/2016	00:10
13	SS-Prop2_20160308	10341033009	07835.D	03/19/2016	00:37
14	SS-Prop3_20160308	10341033010	07836.D	03/19/2016	01:04
15	SS-Prop4_20160308	10341033011	07837.D	03/19/2016	01:31
16	SS-12_20160308	10341033012	07838.D	03/19/2016	01:58
17	IA-C1_20160308	10341033013	07839.D	03/19/2016	02:25
18	IA-C20_20160308	10341033014	07840.D	03/19/2016	02:52
19	IA-E16_20160308	10341033017	07843.D	03/19/2016	04:14
20	IA-G5_20160308	10341033018	07844.D	03/19/2016	04:41
21	IA-H21_20160308	10341033019	07845.D	03/19/2016	05:09

Data File: \\192.168.10.12\chem\10air7.i\031816cust.b\07811.D
Report Date: 24-Mar-2016 14:54

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 18-MAR-2016 14:30
Lab File ID: 07811.D Init. Cal. Date(s): 15-MAR-2016 15-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:30 14:37
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\031816cust.b\T015cust_075-16.m

			MIN		MAX	CURVE	QC
COMPOUND	RRF / AMOUNT	RF2	RRF	%D / %DRIFT	%D / %DRIFT	TYPE	FLAGS
1 Chloropentafluoroethane	0.35244	0.44026	0.010	24.91565	30.00000	Aver	(M)
2 1,1-Difluoroethane	0.98365	1.15866	0.010	17.79255	30.00000	Aver	(M)
3 Freon 123	0.97459	0.95260	0.010	-2.25646	30.00000	Aver	
4 Methyl Acetate	1.99444	2.27726	0.010	14.18062	30.00000	Aver	
\$ 5 Hexane-d14 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 7 Toluene-d8 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
10 1,2-Dibromo-3-chloropropane	0.25680	0.29865	0.010	16.29853	30.00000	Aver	(M)

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.	
Calculated Average %D/Drift =	15.08876
Maximun Average %D/Drift =	30.00000
* Passed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07901BFB.D

BFB Injection Date: 03/19/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:05

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	27.95
75	30.00 - 66.00% of mass 95	46.81
96	5.00 - 9.00% of mass 95	6.34
173	Less than 2.00% of mass 174	0.89 (1.12)
174	50.00 - 120.00% of mass 95	79.21
175	4.00 - 9.00% of mass 174	6.43 (8.12)
176	93.00 - 101.00% of mass 174	79.76 (100.69)
177	5.00 - 9.00% of mass 176	5.11 (6.40)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	LCS for HBN 405530 [AIR/25477]	2212938	07902_25477.	03/19/2016	09:33
2	CCVSCAN	CCVSCAN	07902.D	03/19/2016	09:33
3	IC	IC	07916.D	03/19/2016	15:41
4	BLANK for HBN 405530 [AIR/2547]	2212937	07916_25477.	03/19/2016	15:41
5	IA-Prop1_20160308	10341033020	07917.D	03/19/2016	16:50
6	IA-Prop1_20160308(2207425DUP)	2214033-DUP	07918.D	03/19/2016	17:17
7	IA-Prop2_20160308	10341033021	07919.D	03/19/2016	17:43
8	IA-Prop3_20160308	10341033022	07920.D	03/19/2016	18:10
9	IA-Prop4_20160308	10341033023	07921.D	03/19/2016	18:37
10	IA-13_20160308	10341033024	07922.D	03/19/2016	19:04
11	SS-C1_20160308DUP	10341033025	07923.D	03/19/2016	19:31
12	SS-E10_20160308DUP	10341033026	07924.D	03/19/2016	19:58
13	IA-Prop1_20160308DUP	10341033027	07925.D	03/19/2016	20:25
14	IA-C20_20160308DUP	10341033028	07927.D	03/19/2016	21:14
15	DUP	DUP	07928.D	03/19/2016	21:41
16	AA_20160308	10341033029	07929.D	03/19/2016	22:08

Data File: \\192.168.10.12\chem\10air7.i\031916cust.b\07902.D
Report Date: 24-Mar-2016 11:55

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 19-MAR-2016 09:33
Lab File ID: 07902.D Init. Cal. Date(s): 15-MAR-2016 15-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:30 14:37
Lab Sample ID: CCV Scan Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\031916cust.b\T015cust_075-16.m

			MIN		MAX	CURVE	QC
COMPOUND	RRF / AMOUNT	RF2	RRF	%D / %DRIFT	%D / %DRIFT	TYPE	FLAGS
1 Chloropentafluoroethane	0.35244	0.42745	0.010	21.28105	30.00000	Aver	(MH)
2 1,1-Difluoroethane	0.98365	1.19566	0.010	21.55370	30.00000	Aver	
3 Freon 123	0.97459	0.73597	0.010	-24.48381	30.00000	Aver	
4 Methyl Acetate	1.99444	2.02604	0.010	1.58447	30.00000	Aver	
\$ 5 Hexane-d14 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 7 Toluene-d8 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-
10 1,2-Dibromo-3-chloropropane	0.25680	0.36616	0.010	42.58941	30.00000	Aver	<-

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Average %D / Drift Results.	
Calculated Average %D/Drift =	22.29849
Maximum Average %D/Drift =	30.00000
* Passed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08201BFB.D

BFB Injection Date: 03/22/2016

Instrument ID: 10AIR7

BFB Injection Time: 08:06

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	23.25
75	30.00 - 66.00% of mass 95	44.87
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.33 (0.36)
174	50.00 - 120.00% of mass 95	92.10
175	4.00 - 9.00% of mass 174	7.16 (7.78)
176	93.00 - 101.00% of mass 174	89.29 (96.94)
177	5.00 - 9.00% of mass 176	5.74 (6.43)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	08203.D	03/22/2016	08:56
2	LCS for HBN 406101 [AIR/25521]	2215768	08203_25521.	03/22/2016	08:56
3	BLANK for HBN 406101 [AIR/2552]	2215767	08206_25521.	03/22/2016	10:45
4	IC	IC	08206.D	03/22/2016	10:45
5	IA-D7_20160308	10341033015	08249.D	03/23/2016	07:19
6	IA-E10_20160308	10341033016	08250.D	03/23/2016	07:46

Data File: \\192.168.10.12\chem\10air7.i\032216cust.b\08203.D
Report Date: 24-Mar-2016 13:52

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 22-MAR-2016 08:56
Lab File ID: 08203.D Init. Cal. Date(s): 15-MAR-2016 15-MAR-2016
Analysis Type: AIR Init. Cal. Times: 12:30 14:37
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\032216cust.b\T015cust_075-16.m

			MIN			MAX	CURVE	QC
COMPOUND	RRF / AMOUNT	RF2	RRF	%D / %DRIFT	%D / %DRIFT	%D / %DRIFT	TYPE	FLAGS
1 Chloropentafluoroethane	0.35244	++++	0.010	++++	30.00000	Averaged	<-	
2 1,1-Difluoroethane	0.98365	1.11499	0.010	13.35233	30.00000	Aver		
3 Freon 123	0.97459	0.35510	0.010	-63.56381	30.00000	Aver		<-
4 Methyl Acetate	1.99444	1.68797	0.010	-15.36618	30.00000	Aver		
\$ 5 Hexane-d14 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-	
\$ 7 Toluene-d8 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-	
\$ 9 1,4-dichlorobenzene-d4 (S)	++++	++++	0.010	++++	30.00000	Averaged	<-	
10 1,2-Dibromo-3-chloropropane	0.25680	0.42322	0.010	64.80850	30.00000	Aver	(Q)	<-

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	39.27271
Maximum Average %D/Drift =	30.00000
* Failed Average %D/Drift Test.	

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07811T.D

BFB Injection Date: 03/18/2016

Instrument ID: 10AIR7

BFB Injection Time: 14:30

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	29.57
75	30.00 - 66.00% of mass 95	50.39
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	1.09 (1.40)
174	50.00 - 120.00% of mass 95	78.06
175	4.00 - 9.00% of mass 174	6.17 (7.91)
176	93.00 - 101.00% of mass 174	75.81 (97.11)
177	5.00 - 9.00% of mass 176	4.96 (6.54)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07813.D	03/18/2016	15:14
2	CAL2	CAL2	07814.D	03/18/2016	15:37
3	CAL3	CAL3	07815.D	03/18/2016	16:00
4	CAL4	CAL4	07816.D	03/18/2016	16:25
5	CAL5	CAL5	07817.D	03/18/2016	16:48
6	CAL6	CAL6	07818.D	03/18/2016	17:13
7	CAL7	CAL7	07819.D	03/18/2016	17:38
8	LCS for HBN 405529 [AIR/25476]	2212936	07820_25476.	03/18/2016	18:01
9	ICV	ICV	07820.D	03/18/2016	18:01
10	BLANK for HBN 405529 [AIR/2547	2212935	07822_25476.	03/18/2016	18:51
11	VP-106_84_20160218(2196079DUP)	2213853-DUP	07826.D	03/18/2016	20:32
12	SS-C1*_20160308	10341033001	07827.D	03/18/2016	21:00
13	SS-C20*_20160308	10341033002	07828.D	03/18/2016	21:27
14	SS-D7*_20160308	10341033003	07829.D	03/18/2016	21:54
15	SS-E10*_20160308	10341033004	07830.D	03/18/2016	22:21
16	SS-E16*_20160308	10341033005	07831.D	03/18/2016	22:48
17	SS-G5*_20160308	10341033006	07832.D	03/18/2016	23:15
18	SS-H21*_20160308	10341033007	07833.D	03/18/2016	23:42
19	SS-Prop1_20160308	10341033008	07834.D	03/19/2016	00:10
20	SS-Prop2_20160308	10341033009	07835.D	03/19/2016	00:37
21	SS-Prop3_20160308	10341033010	07836.D	03/19/2016	01:04
22	SS-Prop4_20160308	10341033011	07837.D	03/19/2016	01:31
23	SS-12_20160308	10341033012	07838.D	03/19/2016	01:58
24	IA-C1_20160308	10341033013	07839.D	03/19/2016	02:25
25	IA-C20_20160308	10341033014	07840.D	03/19/2016	02:52

26	IA-E16_20160308	10341033017	07843.D	03/19/2016	04:14
27	IA-G5_20160308	10341033018	07844.D	03/19/2016	04:41
28	IA-H21_20160308	10341033019	07845.D	03/19/2016	05:09

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\031816.b\07813.D
Level 02: all \\192.168.10.12\chem\10air7.i\031816.b\07814.D
Level 03: all \\192.168.10.12\chem\10air7.i\031816.b\07815.D
Level 04: all \\192.168.10.12\chem\10air7.i\031816.b\07816.D
Level 05: all \\192.168.10.12\chem\10air7.i\031816.b\07817.D
Level 06: all \\192.168.10.12\chem\10air7.i\031816.b\07818.D
Level 07: all \\192.168.10.12\chem\10air7.i\031816.b\07819.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.66299	0.60065	0.55818	0.54507	0.45884	0.47047					
	0.44763						AVRG		0.53483		15.06082
2 Propylene	0.32928	0.27742	0.23145	0.24654	0.21545	0.22124					
	0.21142						AVRG		0.24754		17.18715
3 Dichlorodifluoromethane	0.74066	0.70340	0.61092	0.59190	0.50615	0.49964					
	0.49634						AVRG		0.59272		16.85926
4 Dichlorotetrafluoroethane	0.71741	0.67617	0.56744	0.57498	0.50352	0.53374					
	0.49225						AVRG		0.58079		14.74430

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.48922 0.31946	0.45026	0.39581	0.39984	0.33904	0.35076	AVRG		0.39206	15.68508
6 Vinyl chloride	0.29239 0.19954	0.27540	0.23937	0.24277	0.19678	0.20720	AVRG		0.23621	15.92138
7 1,3-Butadiene	0.22893 0.16607	0.23189	0.18825	0.20093	0.17046	0.17758	AVRG		0.19487	13.79410
8 Bromomethane	0.20329 0.18005	0.20374	0.21444	0.22115	0.18055	0.19291	AVRG		0.19945	7.94106
9 Chloroethane	0.06198 0.07986	0.10523	0.08216	0.08628	0.08008	0.08506	AVRG		0.08295	15.32795
10 Ethanol	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
11 Vinyl Bromide	0.21901 0.16878	0.19953	0.19027	0.19530	0.16932	0.17915	AVRG		0.18876	9.53922

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
12 Isopentane	0.40621 0.26197	0.43968	0.39827	0.40585	0.30486	0.30512	AVRG		0.36028	18.86356
13 Acrolein	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
14 Trichlorofluoromethane	0.74213 0.52438	0.74028	0.65293	0.66513	0.58418	0.57820	AVRG		0.64103	12.98683
15 Acetone	0.87802 ++++	0.79842	0.75722	0.73791	0.47812	0.42148	AVRG		0.67853	27.18544
16 Isopropyl Alcohol	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
17 Acrylonitrile	0.23915 0.18030	0.23978	0.21854	0.23112	0.20096	0.20753	AVRG		0.21677	10.15113
18 1,1-Dichloroethene	0.48018 0.34736	0.46893	0.43253	0.44472	0.38870	0.39212	AVRG		0.42208	11.35747

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\T015_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.70849 0.40967	0.61903	0.57181	0.59671	0.51550	0.49306	AVRG		0.55918	17.28869
20 Freon 113	0.49826 0.34937	0.49193	0.45062	0.43721	0.38631	0.39697	AVRG		0.43010	12.90118
21 Methylene chloride	0.55404 0.26367	0.51687	0.47869	0.47946	0.36721	0.32867	AVRG		0.42694	25.21976
22 Allyl Chloride	0.06656 0.06458	0.08337	0.06906	0.07229	0.06705	0.06968	AVRG		0.07037	8.87670
23 Carbon Disulfide	0.60120 0.45281	0.58437	0.51845	0.54979	0.47143	0.48870	AVRG		0.52382	10.84904
24 trans-1,2-dichloroethene	0.19130 0.16585	0.23079	0.18211	0.19977	0.17271	0.17896	AVRG		0.18878	11.47729
25 Methyl Tert Butyl Ether	0.62994 0.39004	0.59920	0.54872	0.57658	0.47663	0.45680	AVRG		0.52542	16.47245

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:33
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.98601 0.67463	1.04769	0.96374	1.00094	0.84568	0.73679	AVRG		0.89364	16.05817
27 1,1-Dichloroethane	0.53682 0.33797	0.50628	0.43355	0.46066	0.38953	0.39405	AVRG		0.43698	15.97530
29 Methyl Ethyl Ketone	0.07331 0.07176	0.08635	0.07827	0.08405	0.07411	0.07609	AVRG		0.07771	7.15573
30 n-Hexane	0.53368 0.34760	0.49644	0.44466	0.44891	0.35505	0.36015	AVRG		0.42664	17.36793
31 Di-isopropyl Ether	1.42376 ++++	1.37087	1.23422	1.26873	0.90467	0.72585	AVRG		1.15468	24.02766
32 Ethyl Acetate	0.93066 0.59045	0.92765	0.77300	0.76125	0.67929	0.67421	AVRG		0.76236	16.93325
33 cis-1,2-Dichloroethene	0.20108 0.17134	0.20899	0.19908	0.20456	0.17640	0.18552	AVRG		0.19242	7.61936

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.94719 0.51810	0.90435	0.80835	0.87013	0.71179	0.63846	AVRG		0.77120	20.16341
35 Chloroform	0.55323 0.39665	0.55954	0.51802	0.53267	0.46041	0.44695	AVRG		0.49535	12.41210
36 Tetrahydrofuran	0.41285 0.31320	0.38247	0.37996	0.38861	0.33657	0.33940	AVRG		0.36472	9.70807
37 1,1,1-Trichloroethane	0.55120 0.51232	0.64067	0.62084	0.53973	0.53105	0.52695	AVRG		0.56040	8.89229
38 1,2-Dichloroethane	0.53165 0.38164	0.53461	0.48404	0.52427	0.46027	0.41308	AVRG		0.47565	12.74148
39 Benzene	0.56910 0.51424	0.56809	0.55625	0.54445	0.50408	0.53147	AVRG		0.54110	4.73442
40 Carbon tetrachloride	0.42060 0.51011	0.42496	0.43235	0.44553	0.49661	0.53204	AVRG		0.46603	9.81002

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.38499	0.38035	0.34598	0.36435	0.34590	0.36760				
	0.35228						AVRG		0.36307	4.36201
42 Tert Amyl Methyl Ether	0.86259	0.71105	0.59220	0.59901	0.52565	0.50471				
	0.44777						AVRG		0.60614	23.22119
44 2,2,4-Trimethylpentane	1.20579	1.21429	1.14278	1.18847	1.06642	1.05842				
	0.95527						AVRG		1.11878	8.57699
45 Heptane	0.57740	0.58842	0.53759	0.57252	0.52417	0.54161				
	0.51333						AVRG		0.55072	5.22380
46 1,2-Dichloropropane	0.27523	0.27098	0.24923	0.27092	0.24740	0.23712				
	0.22396						AVRG		0.25355	7.68412
47 Trichloroethene	0.23742	0.23401	0.30067	0.24344	0.22528	0.22350				
	0.22401						AVRG		0.24119	11.31732
48 1,4-Dioxane	++++	++++	++++	++++	++++	++++				
	++++						AVRG		0.000e+000	0.000e+000

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\T015_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.49512 0.48005	0.48807	0.47528	0.48249	0.48389	0.50108	AVRG		0.48657	1.83781
50 Methylcyclohexane	+++++ 0.11373	0.07285	0.09405	0.10334	0.10598	0.11449	AVRG		0.10074	15.46963
51 Methyl Isobutyl Ketone	0.87134 0.55144	0.85046	0.82481	0.86440	0.77209	0.68043	AVRG		0.77357	15.32893
52 cis-1,3-Dichloropropene	0.27837 0.32810	0.30327	0.29313	0.31531	0.32217	0.33938	AVRG		0.31139	6.79188
53 trans-1,3-Dichloropropene	0.20421 0.30457	0.24026	0.23418	0.26302	0.29375	0.31375	AVRG		0.26482	15.43897
55 Toluene	0.63717 0.61845	0.64968	0.61253	0.63256	0.62388	0.64129	AVRG		0.63079	2.09133
56 1,1,2-Trichloroethane	0.26490 0.24460	0.25746	0.23731	0.24530	0.24147	0.25234	AVRG		0.24905	3.88671

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:33
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	1.45405 1.01934	1.41413	1.30905	1.47689	1.40022	1.24847	AVRG		1.33173	11.97311
58 Dibromochloromethane	0.86588 0.97541	0.78439	0.78113	0.84195	0.92987	1.00875	AVRG		0.88391	10.18454
59 1,2-Dibromoethane	0.83326 0.77809	0.80331	0.69774	0.77647	0.77188	0.81895	AVRG		0.78281	5.63891
60 Tetrachloroethene	0.76950 0.63217	0.65582	0.77500	0.63389	0.57970	0.64591	AVRG		0.67029	10.99639
62 Chlorobenzene	0.97967 0.91141	1.00238	0.85146	0.89930	0.87474	0.95428	AVRG		0.92475	6.02293
63 Ethyl Benzene	1.48230 1.48069	1.38901	1.33194	1.46325	1.51333	1.57245	AVRG		1.46185	5.43243
64 m&p-Xylene	1.08513 1.00697	1.04273	0.93900	1.02705	0.96053	1.07815	AVRG		1.01994	5.43789

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:33
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	811 978070	2767	7094	16104	257698	636428	LINR	-0.01882	0.84635		0.99899
66 Styrene	0.64014 0.82129	0.62651	0.64148	0.73438	0.82129	0.87746	AVRG		0.73751		14.07546
67 o-Xylene	1.15648 1.15691	1.14801	1.07748	1.15752	1.18491	1.22511	AVRG		1.15806		3.83160
68 1,1,2,2-Tetrachloroethane	0.88256 0.84367	0.91648	0.80609	0.90464	0.89285	0.92669	AVRG		0.88185		4.86609
69 Isopropylbenzene	1.60981 1.52585	1.56266	1.36459	1.48185	1.57661	1.65882	AVRG		1.54002		6.22790
70 N-Propylbenzene	1.36665 1.80510	1.44448	1.37908	1.61068	1.86351	1.95058	AVRG		1.63144		14.91075
71 4-Ethyltoluene	0.84253 1.41064	1.02204	0.98852	1.18188	1.42023	1.51335	AVRG		1.19703		21.44857

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:33
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\T015_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
72 1,3,5-Trimethylbenzene	0.91851 1.16439	0.90683	0.93260	1.08436	1.18499	1.26792	AVRG		1.06566	13.80361
73 Tert-Butyl Benzene	0.92259 1.24803	0.87084	0.85989	1.03983	1.25238	1.34054	AVRG		1.07630	18.74872
74 1,2,4-Trimethylbenzene	0.78433 1.16221	0.86713	0.82255	0.99717	1.18129	1.25190	AVRG		1.00951	18.86708
75 1,3-Dichlorobenzene	0.47223 0.76039	0.46882	0.47327	0.55818	0.70729	0.79523	AVRG		0.60506	23.99902
76 Sec- Butylbenzene	1.18428 1.63356	1.19068	1.17611	1.44265	1.69631	1.78109	AVRG		1.44353	18.25430
78 Benzyl Chloride	823 979045	1973	5872	13905	255876	658294	LINR	-0.02142	0.85604	0.99752
79 1,4-Dichlorobenzene	0.58528 0.71860	0.52633	0.50211	0.56894	0.68807	0.75661	AVRG		0.62085	16.03925

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
80 p-Isopropyltoluene	0.95780 1.26544	0.84728	0.89703	0.98607	1.27630	1.38213	AVRG		1.08744	19.69477
81 1,2,3-Trimethylbenzene	0.85884 1.02271	0.84079	0.80174	0.94520	1.06898	1.13221	AVRG		0.95292	13.19270
82 1,2-Dichlorobenzene	1281 744611	2293	6616	14355	202664	499366	LINR	-0.00735	0.64847	0.99822
83 N-Butylbenzene	1671 ++++	3179	10507	24451	378229	899673	LINR	-0.02689	1.22026	0.99910
84 1,2,4-Trichlorobenzene	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
85 Naphthalene	++++ ++++	++++	++++	++++	++++	++++	AVRG		0.000e+000	0.000e+000
86 Hexachlorobutadiene	288 ++++	634	2470	5357	61288	146972	LINR	-0.00267	0.19807	0.99882

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Start Cal Date   : 18-MAR-2016 15:14
End Cal Date     : 18-MAR-2016 17:38
Quant Method     : ISTD
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\192.168.10.12\chem\10air7.i\031816.b\TO15_078-16.m
Last Edit       : 19-Mar-2016 10:23 10air7.i

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14 (S)	0.55092 0.43946	0.52095	0.54644	0.53063	0.49576	0.45027	AVRG		0.50492		8.89864
\$ 54 Toluene-d8 (S)	0.82339 0.81950	0.83844	0.84427	0.84255	0.83314	0.82233	AVRG		0.83195		1.23018
\$ 77 1,4-dichlorobenzene-d4 (S)	0.30895 0.43893	0.30991	0.34652	0.34848	0.43389	0.46386	AVRG		0.37865		17.20759

Report Date : 21-Mar-2016 07:35

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 18-MAR-2016 15:14
End Cal Date : 18-MAR-2016 17:38
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031816.b\T015_078-16.m
Last Edit : 19-Mar-2016 10:23 10air7.i

Average %RSD Results.
=====
Calculated Average %RSD = 12.57587
Maximum Average %RSD = 0.000e+000
* Failed Average %RSD Test.

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07901BFB.D

BFB Injection Date: 03/19/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:05

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	27.95
75	30.00 - 66.00% of mass 95	46.81
96	5.00 - 9.00% of mass 95	6.34
173	Less than 2.00% of mass 174	0.89 (1.12)
174	50.00 - 120.00% of mass 95	79.21
175	4.00 - 9.00% of mass 174	6.43 (8.12)
176	93.00 - 101.00% of mass 174	79.76 (100.69)
177	5.00 - 9.00% of mass 176	5.11 (6.40)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07905.D	03/19/2016	11:18
2	CAL2	CAL2	07906.D	03/19/2016	11:41
3	CAL3	CAL3	07907.D	03/19/2016	12:04
4	CAL4	CAL4	07908.D	03/19/2016	12:29
5	CAL5	CAL5	07909.D	03/19/2016	12:52
6	CAL6	CAL6	07910.D	03/19/2016	13:16
7	CAL7	CAL7	07911.D	03/19/2016	13:40
8	ICV	ICV	07913.D	03/19/2016	14:25
9	LCS for HBN 405530 [AIR/25477]	2212938	07913LCS.D	03/19/2016	14:25
10	0	0	07914.D	03/19/2016	14:47
11	IC	IC	07915.D	03/19/2016	15:14
12	BLANK for HBN 405530 [AIR/2547]	2212937	07916.D	03/19/2016	15:41
13	IA-Prop1_20160308	10341033020	07917.D	03/19/2016	16:50
14	IA-Prop1_20160308(2207425DUP)	2214033-DUP	07918.D	03/19/2016	17:17
15	IA-Prop2_20160308	10341033021	07919.D	03/19/2016	17:43
16	IA-Prop3_20160308	10341033022	07920.D	03/19/2016	18:10
17	IA-Prop4_20160308	10341033023	07921.D	03/19/2016	18:37
18	IA-13_20160308	10341033024	07922.D	03/19/2016	19:04
19	SS-C1_20160308DUP	10341033025	07923.D	03/19/2016	19:31
20	SS-E10_20160308DUP	10341033026	07924.D	03/19/2016	19:58
21	IA-Prop1_20160308DUP	10341033027	07925.D	03/19/2016	20:25
22	0	0	07926.D	03/19/2016	20:47
23	IA-C20_20160308DUP	10341033028	07927.D	03/19/2016	21:14
24	DUP	DUP	07928.D	03/19/2016	21:41
25	AA_20160308	10341033029	07929.D	03/19/2016	22:08

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAR-2016 11:18
End Cal Date : 19-MAR-2016 13:40
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\031916.b\07905.D
Level 02: all \\192.168.10.12\chem\10air7.i\031916.b\07906.D
Level 03: all \\192.168.10.12\chem\10air7.i\031916.b\07907.D
Level 04: all \\192.168.10.12\chem\10air7.i\031916.b\07908.D
Level 05: all \\192.168.10.12\chem\10air7.i\031916.b\07909.D
Level 06: all \\192.168.10.12\chem\10air7.i\031916.b\07910.D
Level 07: all \\192.168.10.12\chem\10air7.i\031916.b\07911.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.69621	0.64852	0.60159	0.57610	0.57111	0.53585					
	0.51021						AVRG		0.59137		10.84423
2 Propylene	0.30093	0.30405	0.25885	0.25519	0.26633	0.25463					
	0.24103						AVRG		0.26872		9.03584
3 Dichlorodifluoromethane	0.71920	0.68163	0.68273	0.66100	0.63780	0.61324					
	0.58648						AVRG		0.65458		6.93630
4 Dichlorotetrafluoroethane	0.78050	0.70989	0.71224	0.65154	0.63028	0.60588					
	0.58568						AVRG		0.66800		10.35309

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

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Start Cal Date : 19-MAR-2016 11:18
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
5 Chloromethane	0.47798 0.36099	0.46893	0.42116	0.41565	0.41115	0.38373	AVRG		0.41994	10.03376
6 Vinyl chloride	0.25735 0.23378	0.26823	0.24993	0.25860	0.24785	0.24105	AVRG		0.25097	4.60572
7 1,3-Butadiene	0.22079 0.19292	0.22962	0.22392	0.21262	0.20603	0.20055	AVRG		0.21235	6.25980
8 Bromomethane	0.21073 0.21295	0.25303	0.23912	0.22788	0.22449	0.22230	AVRG		0.22722	6.51682
9 Chloroethane	0.11063 0.09315	0.09670	0.10396	0.09299	0.09937	0.09638	AVRG		0.09903	6.42128
10 Ethanol	0.14576 0.10228	0.14160	0.13607	0.11271	0.11483	0.11100	AVRG		0.12346	13.94720
11 Vinyl Bromide	0.25166 0.19555	0.22152	0.20784	0.21310	0.21119	0.20713	AVRG		0.21543	8.24936

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Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
12 Isopentane	0.43599	0.39976	0.40206	0.38411	0.35093	0.33380				
	0.27984						AVRG		0.36950	14.09234
13 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++						AVRG		0.000e+000	0.000e+000
14 Trichlorofluoromethane	0.78066	0.73298	0.71068	0.69377	0.67928	0.63845				
	0.58741						AVRG		0.68903	9.14024
15 Acetone	0.82389	0.79538	0.74324	0.72210	0.52118	0.45000				
	0.39162						AVRG		0.63534	27.79551
16 Isopropyl Alcohol	0.65553	0.64524	0.62040	0.56832	0.54334	0.49443				
	0.43410						AVRG		0.56591	14.48055
17 Acrylonitrile	0.20613	0.22431	0.23188	0.23000	0.24149	0.22624				
	0.20068						AVRG		0.22296	6.51195
18 1,1-Dichloroethene	0.47031	0.46918	0.44048	0.44136	0.44003	0.42722				
	0.39888						AVRG		0.44107	5.56821

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.68098 0.42833	0.63142	0.61495	0.56567	0.57365	0.50263	AVRG		0.57109	14.77921
20 Freon 113	0.51358 0.39441	0.52102	0.46686	0.45481	0.46249	0.43076	AVRG		0.46342	9.54921
21 Methylene chloride	0.52737 0.28020	0.50589	0.47966	0.46601	0.41718	0.34535	AVRG		0.43166	20.88228
22 Allyl Chloride	0.06354 0.07762	0.07949	0.07618	0.07505	0.08833	0.08446	AVRG		0.07781	10.11451
23 Carbon Disulfide	0.63746 0.52897	0.54411	0.56680	0.55430	0.56898	0.55057	AVRG		0.56445	6.19026
24 trans-1,2-dichloroethene	0.18247 0.18915	0.20875	0.19348	0.20750	0.20855	0.20239	AVRG		0.19890	5.31582
25 Methyl Tert Butyl Ether	0.64749 0.43040	0.60602	0.59180	0.58335	0.56475	0.50298	AVRG		0.56097	12.89394

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INITIAL CALIBRATION DATA

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	1.08718 0.71364	1.01016	1.02701	0.94765	0.94933	0.83538	AVRG		0.93862	13.50948
27 1,1-Dichloroethane	0.50975 0.39133	0.52833	0.47911	0.45012	0.46440	0.44225	AVRG		0.46647	9.73150
29 Methyl Ethyl Ketone	0.08439 0.08229	0.08465	0.08381	0.08012	0.08693	0.08787	AVRG		0.08430	3.12114
30 n-Hexane	0.47399 0.35373	0.50845	0.42558	0.40955	0.42305	0.43195	AVRG		0.43233	11.31541
31 Di-isopropyl Ether	1.39699 0.57948	1.33615	1.26318	1.24404	1.00650	0.74889	AVRG		1.08218	29.02793
32 Ethyl Acetate	0.99235 0.65419	0.89079	0.74028	0.74810	0.79548	0.71803	AVRG		0.79132	14.49807
33 cis-1,2-Dichloroethene	0.22797 0.20395	0.22559	0.21098	0.20430	0.21451	0.20884	AVRG		0.21373	4.52123

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INITIAL CALIBRATION DATA

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Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.96065	0.91925	0.88181	0.87403	0.83743	0.68459				
	0.55946						AVRG		0.81675	17.51757
35 Chloroform	0.53593	0.56029	0.54481	0.52156	0.54043	0.49168				
	0.44409						AVRG		0.51983	7.64548
36 Tetrahydrofuran	0.41124	0.39113	0.36706	0.36907	0.42535	0.37310				
	0.39296						AVRG		0.38999	5.69578
37 1,1,1-Trichloroethane	0.56658	0.60161	0.61297	0.52825	0.61550	0.63027				
	0.60771						AVRG		0.59470	5.92760
38 1,2-Dichloroethane	0.51980	0.49892	0.48064	0.47136	0.48152	0.48164				
	0.41776						AVRG		0.47880	6.54187
39 Benzene	0.63571	0.66676	0.61028	0.61315	0.64245	0.62611				
	0.61096						AVRG		0.62935	3.29903
40 Carbon tetrachloride	0.50400	0.49087	0.49621	0.49197	0.61965	0.61181				
	0.58685						AVRG		0.54305	11.03981

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAR-2016 11:18
End Cal Date : 19-MAR-2016 13:40
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
41 Cyclohexane	0.43280 0.39626	0.42465	0.40928	0.40615	0.44111	0.41939	AVRG		0.41852	3.76087
42 Tert Amyl Methyl Ether	0.91955 0.50738	0.74739	0.66399	0.65079	0.64193	0.57566	AVRG		0.67239	19.65207
44 2,2,4-Trimethylpentane	1.41017 1.06422	1.33602	1.32220	1.31725	1.34318	1.19098	AVRG		1.28343	9.08906
45 Heptane	0.67610 0.58888	0.64721	0.64248	0.64668	0.67377	0.61501	AVRG		0.64145	4.83432
46 1,2-Dichloropropane	0.27571 0.26387	0.31030	0.31034	0.29437	0.30252	0.27905	AVRG		0.29088	6.28177
47 Trichloroethene	0.28465 0.27814	0.30027	0.27611	0.28902	0.28352	0.27609	AVRG		0.28397	3.04870
48 1,4-Dioxane	128 261252	1215	3547	6223	81356	167429	LINR	0.00001	0.12315	0.99972

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAR-2016 11:18
End Cal Date : 19-MAR-2016 13:40
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.50687 0.57416	0.52537	0.52691	0.53400	0.61134	0.59189	AVRG		0.55294	7.11905
50 Methylcyclohexane	0.07120 0.13948	0.13054	0.12628	0.12747	0.14198	0.13784	AVRG		0.12497	19.58851
51 Methyl Isobutyl Ketone	0.93686 0.58524	0.92857	0.92447	0.91595	0.90158	0.72577	AVRG		0.84549	16.13497
52 cis-1,3-Dichloropropene	0.32647 0.40207	0.32664	0.34458	0.34249	0.41144	0.40941	AVRG		0.36616	10.79411
53 trans-1,3-Dichloropropene	0.25064 0.37796	0.25690	0.28373	0.28970	0.37782	0.37886	AVRG		0.31652	18.73946
55 Toluene	0.75656 0.73561	0.72731	0.67834	0.70347	0.78575	0.76392	AVRG		0.73585	5.00397
56 1,1,2-Trichloroethane	0.30460 0.29668	0.28779	0.26760	0.27617	0.30892	0.30475	AVRG		0.29236	5.39409

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAR-2016 11:18
End Cal Date : 19-MAR-2016 13:40
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	1.48729	1.44210	1.44551	1.61000	1.64859	1.32758				
	1.04196						AVRG		1.42900	14.13793
58 Dibromochloromethane	0.88312	0.86267	0.87343	0.94153	1.20723	1.21884				
	1.16242						AVRG		1.02132	16.28584
59 1,2-Dibromoethane	0.83381	0.80238	0.82979	0.84881	0.97512	0.96623				
	0.92445						AVRG		0.88294	8.01526
60 Tetrachloroethene	0.85862	0.80414	0.70372	0.72761	0.76552	0.78146				
	0.76892						AVRG		0.77286	6.53475
62 Chlorobenzene	1.14692	1.02382	0.99088	1.02427	1.15082	1.14858				
	1.08709						AVRG		1.08177	6.36319
63 Ethyl Benzene	1.69588	1.54639	1.55062	1.65563	1.90464	1.88138				
	1.76753						AVRG		1.71458	8.44323
64 m&p-Xylene	1.17110	1.11706	1.06511	1.14566	1.25607	1.24172				
	1.15756						AVRG		1.16490	5.75030

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 Bromoform	1494 1246413	3228	8734	18461	347868	775509	LINR	-0.01939	1.05943		0.99968
66 Styrene	0.65888 0.98693	0.72124	0.73680	0.82609	1.05331	1.03730	AVRG		0.86008		19.04268
67 o-Xylene	1.29704 1.35560	1.22986	1.22799	1.29966	1.50755	1.46894	AVRG		1.34095		8.23050
68 1,1,2,2-Tetrachloroethane	0.96414 1.04193	0.94188	0.89996	0.99416	1.19831	1.11979	AVRG		1.02288		10.29022
69 Isopropylbenzene	1.70279 1.82839	1.55248	1.52257	1.63145	1.98919	1.96383	AVRG		1.74153		10.88467
70 N-Propylbenzene	1.58597 2.15244	1.51416	1.60997	1.85165	2.41313	2.31733	AVRG		1.92067		19.38986
71 4-Ethyltoluene	3458 2098876	6892	18520	41353	635407	1349707	LINR	0.00210	1.79674		0.99856

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAR-2016 11:18
End Cal Date : 19-MAR-2016 13:40
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	3081 1676992	6280	16836	36443	527975	1108638	QUAD	-0.02917	1.73548	-0.10509	0.99979
73 Tert-Butyl Benzene	3280 1808755	6326	16678	35804	551942	1182617	QUAD	-0.03361	1.80674	-0.09113	0.99971
74 1,2,4-Trimethylbenzene	2924 1704365	5397	14948	33594	522271	1102328	QUAD	-0.03054	1.68358	-0.08039	0.99986
75 1,3-Dichlorobenzene	1789 1184182	3308	8707	19226	332533	751888	LINR	-0.01448	1.01122		0.99923
76 Sec- Butylbenzene	4165 2350201	7912	22087	48351	727046	1558974	QUAD	-0.04652	2.41719	-0.14076	0.99960
78 Benzyl Chloride	1090 1346625	2051	6768	16194	372394	857808	LINR	-0.02693	1.15425		0.99898
79 1,4-Dichlorobenzene	1845 1148009	3177	8894	19188	326116	714654	LINR	-0.01288	0.97502		0.99971

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAR-2016 11:18
End Cal Date : 19-MAR-2016 13:40
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\T015_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 p-Isopropyltoluene	3160 1935560	6165	16579	35272	564764	1238513	LINR	-0.00942	1.65494		0.99899
81 1,2,3-Trimethylbenzene	2897 1543078	5665	14615	32525	477448	1009317	QUAD	-0.02640	1.55574	-0.08311	0.99981
82 1,2-Dichlorobenzene	1531 1045597	2883	7657	18339	297074	647684	LINR	-0.01175	0.88680		0.99980
83 N-Butylbenzene	1894 1648274	3927	12084	28552	484817	1053554	LINR	-0.01073	1.41082		0.99895
84 1,2,4-Trichlorobenzene	++++ ++++	++++	++++	++++	++++	++++	LINR	0.000e+000	0.000e+000		0.000e+000 <-
85 Naphthalene	++++ ++++	++++	++++	++++	++++	++++	LINR	0.000e+000	0.000e+000		0.000e+000 <-
86 Hexachlorobutadiene	162 ++++	598	2789	6496	71356	178811	LINR	-0.00601	0.24337		0.99571

Report Date : 21-Mar-2016 07:41

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date   : 19-MAR-2016 11:18
End Cal Date     : 19-MAR-2016 13:40
Quant Method     : ISTD
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\192.168.10.12\chem\10air7.i\031916.b\TO15_079-16.m
Last Edit       : 19-Mar-2016 15:58 10air7.i
```

	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000		Coefficients			%RSD
Compound (all.sb)	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	30.0000										
	Level 7										
\$ 28 Hexane-d14(S)	0.45307	0.49488	0.49606	0.48892	0.44018	0.46715					
	0.42924						AVRG		0.46707		5.82515
\$ 54 Toluene-d8 (S)	0.82810	0.82622	0.85965	0.83960	0.83377	0.83386					
	0.84951						AVRG		0.83867		1.43776
\$ 77 1,4-dichlorobenzene-d4 (S)	0.25050	0.28094	0.32018	0.35196	0.41764	0.43254					
	0.44329						AVRG		0.35672		21.51415

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAR-2016 11:18
End Cal Date : 19-MAR-2016 13:40
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\031916.b\T015_079-16.m
Last Edit : 19-Mar-2016 15:58 10air7.i

Average %RSD Results.	
=====	
Calculated Average %RSD = 10.50445	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 07801BFB.D

BFB Injection Date: 03/18/2016

Instrument ID: 10AIRB

BFB Injection Time: 05:51

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.50
75	30.00 - 66.00% of mass 95	42.83
96	5.00 - 9.00% of mass 95	6.41
173	Less than 2.00% of mass 174	0.59 (0.64)
174	50.00 - 120.00% of mass 95	91.71
175	4.00 - 9.00% of mass 174	6.33 (6.90)
176	93.00 - 101.00% of mass 174	89.55 (97.64)
177	5.00 - 9.00% of mass 176	5.75 (6.42)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	07806.D	03/18/2016	09:43
2	CAL2	CAL2	07807.D	03/18/2016	10:11
3	CAL3	CAL3	07808.D	03/18/2016	10:40
4	CAL4	CAL4	07809.D	03/18/2016	11:09
5	CAL5	CAL5	07810.D	03/18/2016	11:38
6	CAL6	CAL6	07811.D	03/18/2016	12:07
7	CAL7	CAL7	07812.D	03/18/2016	12:36
8	ICV	ICV	07814_LCS.D	03/18/2016	13:32
9	ICV	ICV	07814.D	03/18/2016	13:32
10	BLANK (BLK)	BLANK	07816.D	03/18/2016	14:32

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\TO15_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10airB.i\031816.b\07806.D
Level 02: all \\192.168.10.12\chem\10airB.i\031816.b\07807.D
Level 03: all \\192.168.10.12\chem\10airB.i\031816.b\07808.D
Level 04: all \\192.168.10.12\chem\10airB.i\031816.b\07809.D
Level 05: all \\192.168.10.12\chem\10airB.i\031816.b\07810.D
Level 06: all \\192.168.10.12\chem\10airB.i\031816.b\07811.D
Level 07: all \\192.168.10.12\chem\10airB.i\031816.b\07812.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.22431	0.24517	0.23638	0.23794	0.22508	0.23286					
	0.24171						AVRG		0.23478		3.37103
2 Propylene	0.07921	0.07828	0.07281	0.07346	0.07302	0.07633					
	0.07854						AVRG		0.07595		3.70675
3 Dichlorodifluoromethane	0.50994	0.55424	0.52701	0.52171	0.49891	0.51901					
	0.52613						AVRG		0.52242		3.28594
4 Dichlorotetrafluoroethane	0.44451	0.49613	0.47696	0.45039	0.44567	0.44825					
	0.46182						AVRG		0.46053		4.22382

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
5 Chloromethane	0.12451 0.14047	0.15433	0.15062	0.14795	0.13935	0.14197	AVRG		0.14274		6.84598
6 Vinyl chloride	0.12578 0.16249	0.15796	0.14481	0.13977	0.13707	0.14847	AVRG		0.14519		8.64547
7 1,3-Butadiene	0.06527 0.10160	0.08522	0.08677	0.08984	0.08548	0.09747	AVRG		0.08738		13.27973
8 Bromomethane	0.11881 0.16068	0.15573	0.13756	0.13751	0.13493	0.14244	AVRG		0.14110		9.85201
9 Chloroethane	0.03026 0.06783	0.05398	0.05398	0.05508	0.05417	0.05848	AVRG		0.05340		21.26789
10 Ethanol	0.02975 0.03287	0.03073	0.03051	0.02886	0.02778	0.02963	AVRG		0.03002		5.34529
11 Vinyl Bromide	0.12749 0.13443	0.14783	0.13521	0.13200	0.13054	0.13267	AVRG		0.13431		4.82813

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
12 Isopentane	0.07224 0.10050	0.07208	0.07341	0.08279	0.07479	0.09051	AVRG		0.08090		13.60063
13 Acrolein	+++++ 0.01150	0.00628	0.00990	0.01034	0.01035	0.01080	AVRG		0.00986		18.60842 <-
14 Trichlorofluoromethane	0.37148 0.38825	0.42421	0.37559	0.37234	0.36896	0.38804	AVRG		0.38412		5.03130
15 Acetone	0.15331 0.13267	0.15413	0.13837	0.13336	0.11914	0.12645	AVRG		0.13677		9.54916
16 Isopropyl Alcohol	0.14428 0.14459	0.14271	0.13251	0.13186	0.13092	0.14078	AVRG		0.13823		4.48199
17 Acrylonitrile	0.07464 0.07904	0.07744	0.07067	0.07221	0.07453	0.07606	AVRG		0.07494		3.86166
18 1,1-Dichloroethene	0.16237 0.18565	0.18020	0.17586	0.16707	0.17077	0.18260	AVRG		0.17493		4.89085

Report Date : 18-Mar-2016 15:03

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Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.25166 0.23762	0.25774	0.24076	0.24568	0.23364	0.24025	AVRG		0.24391	3.44166
20 Freon 113	0.26867 0.26336	0.26956	0.27005	0.26114	0.25510	0.26683	AVRG		0.26496	2.05939
21 Methylene chloride	0.10129 0.10040	0.10612	0.09987	0.09930	0.09335	0.09752	AVRG		0.09969	3.87254
22 Allyl Chloride	0.04093 0.04992	0.05049	0.04628	0.04736	0.04998	0.05118	AVRG		0.04802	7.46962
23 Carbon Disulfide	0.32443 0.36662	0.31006	0.29748	0.28901	0.31233	0.34024	AVRG		0.32003	8.29500
24 trans-1,2-dichloroethene	0.15287 0.17967	0.17731	0.16096	0.16456	0.16593	0.17329	AVRG		0.16780	5.68071
25 Methyl Tert Butyl Ether	0.44511 0.38854	0.46391	0.45002	0.44399	0.41348	0.39966	AVRG		0.42924	6.64643

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
26 Vinyl Acetate	0.27691 0.36179	0.28890	0.27700	0.28897	0.32423	0.34206	AVRG		0.30855		11.04577
27 1,1-Dichloroethane	0.28467 0.32708	0.30915	0.29191	0.28962	0.29003	0.30649	AVRG		0.29985		5.03322
29 Methyl Ethyl Ketone	0.07395 0.07911	0.08063	0.07547	0.07609	0.07713	0.07980	AVRG		0.07745		3.18426
30 n-Hexane	0.22954 0.32186	0.26749	0.25884	0.24565	0.25105	0.32651	AVRG		0.27156		13.92943
31 Di-isopropyl Ether	0.41777 0.29957	0.42514	0.40991	0.40650	0.32526	0.30058	AVRG		0.36925		15.64539
32 Ethyl Acetate	0.24047 0.27609	0.25410	0.26032	0.26266	0.26582	0.27166	AVRG		0.26159		4.50752
33 cis-1,2-Dichloroethene	0.19802 0.21945	0.19103	0.18862	0.18262	0.18838	0.20459	AVRG		0.19610		6.39585

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.50170 0.40331	0.51898	0.51068	0.51076	0.45343	0.42335	AVRG		0.47460	9.98316
35 Chloroform	0.38542 0.36679	0.41909	0.38798	0.39510	0.37590	0.37425	AVRG		0.38636	4.47063
36 Tetrahydrofuran	0.10677 0.14828	0.11300	0.11383	0.12496	0.13125	0.13909	AVRG		0.12531	12.10318
37 1,1,1-Trichloroethane	0.41726 0.46978	0.45381	0.44759	0.44410	0.44836	0.45817	AVRG		0.44844	3.60761
38 1,2-Dichloroethane	0.30542 0.29278	0.30213	0.29368	0.28360	0.28668	0.28985	AVRG		0.29345	2.69386
39 Benzene	0.51279 0.53723	0.50142	0.47458	0.46385	0.49189	0.51705	AVRG		0.49983	5.07516
40 Carbon tetrachloride	0.43215 0.48039	0.43322	0.42614	0.43292	0.47411	0.47693	AVRG		0.45084	5.49772

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
41 Cyclohexane	0.19295 0.21498	0.20740	0.20460	0.21358	0.21540	0.21327	AVRG		0.20888		3.88652
42 Tert Amyl Methyl Ether	0.60812 0.38097	0.53333	0.47439	0.46037	0.42591	0.40130	AVRG		0.46920		16.91321
44 2,2,4-Trimethylpentane	0.72072 0.68667	0.72718	0.72207	0.71783	0.70387	0.69441	AVRG		0.71039		2.18152
45 Heptane	0.17045 0.21867	0.18599	0.20188	0.20368	0.21035	0.21568	AVRG		0.20096		8.57435
46 1,2-Dichloropropane	0.15350 0.19889	0.17598	0.16797	0.17306	0.18082	0.19189	AVRG		0.17744		8.49714
47 Trichloroethene	0.27041 0.32328	0.29105	0.27616	0.25885	0.28510	0.30638	AVRG		0.28732		7.64649
48 1,4-Dioxane	0.09283 0.15025	0.12779	0.10846	0.11314	0.13020	0.14011	AVRG		0.12325		15.98358

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
49 Bromodichloromethane	0.37845 0.45797	0.39677	0.39828	0.40184	0.43016	0.44893	AVRG		0.41606		7.17029
50 Methylcyclohexane	0.09014 0.17888	0.12713	0.12675	0.13504	0.15205	0.16720	AVRG		0.13960		21.18417
51 Methyl Isobutyl Ketone	0.28109 0.23428	0.29710	0.28784	0.28671	0.25460	0.23636	AVRG		0.26828		9.71869
52 cis-1,3-Dichloropropene	0.24728 0.35272	0.25451	0.25817	0.27674	0.31269	0.33559	AVRG		0.29110		14.56872
53 trans-1,3-Dichloropropene	0.19976 0.34651	0.20880	0.22437	0.23693	0.30251	0.32801	AVRG		0.26384		22.88026
55 Toluene	0.62875 0.70506	0.62549	0.60294	0.60077	0.66538	0.69821	AVRG		0.64666		6.68271
56 1,1,2-Trichloroethane	0.22257 0.25307	0.22715	0.22161	0.21822	0.23634	0.24837	AVRG		0.23247		5.92708

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
57 Methyl Butyl Ketone	0.43098 0.31657	0.47367	0.44144	0.43499	0.41090	0.35611	AVRG		0.40924		13.28589
58 Dibromochloromethane	0.65315 0.74784	0.66893	0.69010	0.67250	0.81537	0.79933	AVRG		0.72103		9.19682
59 1,2-Dibromoethane	0.59865 0.63319	0.63962	0.62057	0.61911	0.67719	0.67248	AVRG		0.63726		4.50970
60 Tetrachloroethene	0.64453 0.56961	0.65486	0.62215	0.62010	0.62409	0.61647	AVRG		0.62169		4.34090
62 Chlorobenzene	0.89589 0.90191	0.92205	0.87269	0.84882	0.92672	0.93664	AVRG		0.90067		3.48912
63 Ethyl Benzene	1.18451 1.38034	1.21595	1.25139	1.30134	1.49969	1.46991	AVRG		1.32902		9.32094
64 m&p-Xylene	0.88838 0.99345	1.00834	1.05079	1.06578	1.15579	1.10052	AVRG		1.03758		8.25029

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\TO15_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
65 Bromoform	0.44906 0.60857	0.50609	0.51226	0.51999	0.73329	0.68468	AVRG		0.57342		18.25801
66 Styrene	0.63535 0.82754	0.72815	0.74059	0.75066	0.89654	0.88319	AVRG		0.78029		11.98945
67 o-Xylene	0.95400 1.09135	1.05732	1.06499	1.04214	1.20481	1.17075	AVRG		1.08362		7.71143
68 1,1,2,2-Tetrachloroethane	0.55333 0.67545	0.61044	0.61336	0.61195	0.72217	0.71257	AVRG		0.64275		9.65431
69 Isopropylbenzene	1.45089 1.48200	1.54759	1.43690	1.45251	1.63438	1.58946	AVRG		1.51339		5.12142
70 N-Propylbenzene	1.14753 1.72489	1.32771	1.35325	1.46968	1.89278	1.85398	AVRG		1.53855		18.68996
71 4-Ethyltoluene	0.90034 1.52486	1.04556	1.22673	1.28827	1.63946	1.61354	AVRG		1.31982		21.68169

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 1,3,5-Trimethylbenzene	0.94066 1.28402	1.04237	1.13183	1.15826	1.39599	1.37561	AVRG		1.18982		14.31579
73 Tert-Butyl Benzene	0.99071 1.29666	1.05674	1.13658	1.16301	1.46106	1.42247	AVRG		1.21817		14.77594
74 1,2,4-Trimethylbenzene	0.81998 1.15307	1.06835	1.10653	1.12412	1.35590	1.29096	AVRG		1.13127		15.22348
75 1,3-Dichlorobenzene	0.63841 0.82518	0.66327	0.66930	0.72976	0.91626	0.89559	AVRG		0.76254		15.16979
76 Sec- Butylbenzene	1.16672 1.60037	1.37198	1.47914	1.55436	1.88871	1.79964	AVRG		1.55156		15.85739
78 Benzyl Chloride	1380 1143594	2684	7991	20647	360010	756330	QUAD	-0.02787	1.10171	-0.03493	0.99962
79 1,4-Dichlorobenzene	0.71710 0.86453	0.73396	0.69807	0.71358	0.90094	0.91888	AVRG		0.79244		12.31889

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
80 p-Isopropyltoluene	1.09220 1.49435	1.12263	1.23651	1.28236	1.62848	1.62651	AVRG		1.35472	16.78690
81 1,2,3-Trimethylbenzene	0.91313 1.20427	1.05761	1.07062	1.07614	1.33733	1.31725	AVRG		1.13948	13.48342
82 1,2-Dichlorobenzene	0.58225 0.81134	0.60609	0.60171	0.64444	0.85259	0.85886	AVRG		0.70818	17.85038
83 N-Butylbenzene	0.73851 1.23968	0.80391	0.90016	1.00608	1.38545	1.36522	AVRG		1.06271	25.15273
84 1,2,4-Trichlorobenzene	550 502269	909	2774	7425	132089	310203	QUAD	-0.01034	0.38160	0.01876 0.99936
85 Naphthalene	1923 1149555	3305	7921	17583	319434	713329	QUAD	-0.02092	0.91509	0.02808 0.99969
86 Hexachlorobutadiene	1179 487192	2528	5781	12654	162767	325194	QUAD	-0.00627	0.49057	-0.02288 0.99991

Report Date : 18-Mar-2016 15:03

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```

Start Cal Date   : 16-MAR-2016 10:00
End Cal Date     : 18-MAR-2016 12:36
Quant Method     : ISTD
Target Version   : 4.14
Integrator       : HP RTE
Method file      : \\192.168.10.12\chem\10airB.i\031816.b\TO15_078-16.m
Last Edit       : 18-Mar-2016 14:44 rprovost

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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	30.0000										
	Level 7										
\$ 28 Hexane-d14(S)	0.37866 0.47229	0.38271	0.38175	0.38755	0.39357	0.42384	AVRG		0.40291		8.48904
\$ 54 Toluene-d8 (S)	0.79233 1.00033	0.78875	0.79317	0.80536	0.83618	0.90400	AVRG		0.84573		9.39484
\$ 77 1,4-dichlorobenzene-d4 (S)	0.51450 0.63878	0.52865	0.56896	0.59251	0.64704	0.65598	AVRG		0.59235		9.71262

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAR-2016 10:00
End Cal Date : 18-MAR-2016 12:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airB.i\031816.b\T015_078-16.m
Last Edit : 18-Mar-2016 14:44 rprovost

Average %RSD Results.	
=====	
Calculated Average %RSD = 10.86691	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08301BFB.D

BFB Injection Date: 03/23/2016

Instrument ID: 10AIRB

BFB Injection Time: 07:22

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.89
75	30.00 - 66.00% of mass 95	44.47
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.58 (0.66)
174	50.00 - 120.00% of mass 95	87.70
175	4.00 - 9.00% of mass 174	6.27 (7.15)
176	93.00 - 101.00% of mass 174	84.32 (96.15)
177	5.00 - 9.00% of mass 176	5.43 (6.44)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	LCS for HBN 406101 [AIR/25521]	2215768	08302_25521.	03/23/2016	07:50
2	CCV	CCV	08302.D	03/23/2016	07:50
3	CERT	CERT	08304.D	03/23/2016	09:18
4	BLANK for HBN 406101 [AIR/2552]	2215767	08304_25521.	03/23/2016	09:18
5	IA-D7_20160308	10341033015	08310.D	03/23/2016	12:59
6	IA-E10_20160308	10341033016	08311.D	03/23/2016	13:31

Data File: \\192.168.10.12\chem\10airB.i\032316.b\08302.D
Report Date: 23-Mar-2016 09:14

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 23-MAR-2016 07:50
Lab File ID: 08302.D Init. Cal. Date(s): 16-MAR-2016 18-MAR-2016
Analysis Type: AIR Init. Cal. Times: 10:00 12:36
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\032316.b\TO15_078-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.23478	0.22897	0.22897	0.010	-2.47355	30.00000	Aver	
2 Propylene	0.07595	0.07273	0.07273	0.010	-4.23384	30.00000	Aver	
3 Dichlorodifluoromethane	0.52242	0.53421	0.53421	0.010	2.25659	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.46053	0.46479	0.46479	0.010	0.92489	30.00000	Aver	
5 Chloromethane	0.14274	0.14455	0.14455	0.010	1.26641	30.00000	Aver	
6 Vinyl chloride	0.14519	0.14452	0.14452	0.010	-0.46650	30.00000	Aver	
7 1,3-Butadiene	0.08738	0.09011	0.09011	0.010	3.12633	30.00000	Aver	
8 Bromomethane	0.14110	0.14693	0.14693	0.010	4.13546	30.00000	Aver	
9 Chloroethane	0.05340	0.06000	0.06000	0.010	12.36673	30.00000	Aver	(M)
10 Ethanol	0.03002	0.03017	0.03017	0.005	0.48902	30.00000	Aver	
11 Vinyl Bromide	0.13431	0.14336	0.14336	0.010	6.73941	30.00000	Aver	
12 Isopentane	0.08090	0.08379	0.08379	0.010	3.57451	30.00000	Aver	(M)
13 Acrolein	0.00986	0.01119	0.01119	0.010	13.52894	30.00000	Aver	(M) <-
14 Trichlorofluoromethane	0.38412	0.39956	0.39956	0.010	4.01932	30.00000	Aver	
15 Acetone	0.13677	0.13040	0.13040	0.010	-4.65830	30.00000	Aver	
16 Isopropyl Alcohol	0.13823	0.14368	0.14368	0.010	3.94211	30.00000	Aver	
17 Acrylonitrile	0.07494	0.07983	0.07983	0.010	6.52464	30.00000	Aver	
18 1,1-Dichloroethene	0.17493	0.18690	0.18690	0.010	6.84196	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.24391	0.26359	0.26359	0.010	8.07080	30.00000	Aver	(M)
20 Freon 113	0.26496	0.28092	0.28092	0.010	6.02553	30.00000	Aver	
21 Methylene chloride	0.09969	0.10384	0.10384	0.010	4.15500	30.00000	Aver	
22 Allyl Chloride	0.04802	0.05515	0.05515	0.010	14.83816	30.00000	Aver	
23 Carbon Disulfide	0.32003	0.35079	0.35079	0.010	9.61432	30.00000	Aver	
24 trans-1,2-dichloroethene	0.16780	0.18865	0.18865	0.010	12.42833	30.00000	Aver	
25 Methyl Tert Butyl Ether	0.42924	0.46708	0.46708	0.010	8.81382	30.00000	Aver	
26 Vinyl Acetate	0.30855	0.35018	0.35018	0.010	13.49034	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.29985	0.31671	0.31671	0.010	5.62412	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.40291	0.38579	0.38579	0.010	-4.24896	30.00000	Aver	
29 Methyl Ethyl Ketone	0.07745	0.08400	0.08400	0.010	8.44732	30.00000	Aver	
30 n-Hexane	0.27156	0.28178	0.28178	0.010	3.76199	30.00000	Aver	(M)
31 Di-isopropyl Ether	0.36925	0.34570	0.34570	0.010	-6.37642	30.00000	Aver	
32 Ethyl Acetate	0.26159	0.27738	0.27738	0.010	6.03835	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.19610	0.20963	0.20963	0.010	6.89925	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.47460	0.49462	0.49462	0.010	4.21906	30.00000	Aver	
35 Chloroform	0.38636	0.40937	0.40937	0.010	5.95544	30.00000	Aver	
36 Tetrahydrofuran	0.12531	0.13461	0.13461	0.010	7.41766	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.44844	0.48610	0.48610	0.010	8.39945	30.00000	Aver	
38 1,2-Dichloroethane	0.29345	0.30446	0.30446	0.010	3.75329	30.00000	Aver	
39 Benzene	0.49983	0.53349	0.53349	0.010	6.73526	30.00000	Aver	
40 Carbon tetrachloride	0.45084	0.50569	0.50569	0.010	12.16558	30.00000	Aver	
41 Cyclohexane	0.20888	0.22715	0.22715	0.010	8.74724	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.46920	0.47174	0.47174	0.010	0.54240	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airB.i\032316.b\08302.D
Report Date: 23-Mar-2016 09:14

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airB.i\032316.b\08302.D
Report Date: 23-Mar-2016 09:14

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airB.i Injection Date: 23-MAR-2016 07:50
Lab File ID: 08302.D Init. Cal. Date(s): 16-MAR-2016 18-MAR-2016
Analysis Type: AIR Init. Cal. Times: 10:00 12:36
Lab Sample ID: ccv Quant Type: ISTD
Method: \\192.168.10.12\chem\10airB.i\032316.b\TO15_078-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	0.71039	0.73128	0.73128	0.010	2.93987	30.00000	Aver	
45 Heptane	0.20096	0.21309	0.21309	0.010	6.03797	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.17744	0.18960	0.18960	0.010	6.84968	30.00000	Aver	(M)
47 Trichloroethene	0.28732	0.31111	0.31111	0.010	8.27917	30.00000	Aver	
48 1,4-Dioxane	0.12325	0.14002	0.14002	0.010	13.60606	30.00000	Aver	(M)
49 Bromodichloromethane	0.41606	0.46551	0.46551	0.010	11.88607	30.00000	Aver	
50 Methylcyclohexane	0.13960	0.16351	0.16351	0.010	17.12713	30.00000	Aver	
51 Methyl Isobutyl Ketone	0.26828	0.25544	0.25544	0.010	-4.78845	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.29110	0.32647	0.32647	0.010	12.14934	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.26384	0.32099	0.32099	0.010	21.66247	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.84573	0.80183	0.80183	0.010	-5.19103	30.00000	Aver	
55 Toluene	0.64666	0.70710	0.70710	0.010	9.34673	30.00000	Aver	
56 1,1,2-Trichloroethane	0.23247	0.25076	0.25076	0.010	7.86374	30.00000	Aver	
57 Methyl Butyl Ketone	0.40924	0.42978	0.42978	0.010	5.02084	30.00000	Aver	
58 Dibromochloromethane	0.72103	0.89781	0.89781	0.010	24.51707	30.00000	Aver	
59 1,2-Dibromoethane	0.63726	0.75285	0.75285	0.010	18.13891	30.00000	Aver	
60 Tetrachloroethene	0.62169	0.71017	0.71017	0.010	14.23311	30.00000	Aver	
62 Chlorobenzene	0.90067	1.04076	1.04076	0.010	15.55288	30.00000	Aver	
63 Ethyl Benzene	1.32902	1.64667	1.64667	0.010	23.90115	30.00000	Aver	
64 m&p-Xylene	1.03758	1.27117	1.27117	0.010	22.51296	30.00000	Aver	
65 Bromoform	0.57342	0.81240	0.81240	0.010	41.67631	30.00000	Aver	<-
66 Styrene	0.78029	1.00270	1.00270	0.010	28.50373	30.00000	Aver	
67 o-Xylene	1.08362	1.33816	1.33816	0.010	23.48924	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	0.64275	0.78966	0.78966	0.010	22.85553	30.00000	Aver	
69 Isopropylbenzene	1.51339	1.83649	1.83649	0.010	21.34971	30.00000	Aver	
70 N-Propylbenzene	1.53855	2.08142	2.08142	0.010	35.28509	30.00000	Aver	(M) <-
71 4-Ethyltoluene	1.31982	1.78323	1.78323	0.010	35.11125	30.00000	Aver	<-
72 1,3,5-Trimethylbenzene	1.18982	1.53866	1.53866	0.010	29.31869	30.00000	Aver	
73 Tert-Butyl Benzene	1.21817	1.62719	1.62719	0.010	33.57617	30.00000	Aver	<-
74 1,2,4-Trimethylbenzene	1.13127	1.49633	1.49633	0.010	32.27000	30.00000	Aver	<-
75 1,3-Dichlorobenzene	0.76254	1.01537	1.01537	0.010	33.15653	30.00000	Aver	<-
76 Sec- Butylbenzene	1.55156	2.09561	2.09561	0.010	35.06506	30.00000	Aver	<-
77 1,4-dichlorobenzene-d4 (S)	0.59235	0.67689	0.67689	0.010	14.27252	30.00000	Aver	
78 Benzyl Chloride	10.00000	10.54984	1.09555	0.010	5.49841	30.00000	Quad	
79 1,4-Dichlorobenzene	0.79244	1.01078	1.01078	0.010	27.55323	30.00000	Aver	
80 p-Isopropyltoluene	1.35472	1.80637	1.80637	0.010	33.33912	30.00000	Aver	(M) <-
81 1,2,3-Trimethylbenzene	1.13948	1.45773	1.45773	0.010	27.92954	30.00000	Aver	
82 1,2-Dichlorobenzene	0.70818	0.95358	0.95358	0.010	34.65117	30.00000	Aver	<-
83 N-Butylbenzene	1.06271	1.50565	1.50565	0.010	41.67979	30.00000	Aver	<-
84 1,2,4-Trichlorobenzene	10.00000	9.91241	0.38635	0.010	-0.87588	30.00000	Quad	
85 Naphthalene	10.00000	9.62471	0.88584	0.010	-3.75286	30.00000	Quad	
86 Hexachlorobutadiene	10.00000	10.24500	0.47231	0.010	2.44995	30.00000	Quad	

Data File: \\192.168.10.12\chem\10airB.i\032316.b\08302.D
Report Date: 23-Mar-2016 09:14

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 12.78096
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08205BFB.D

BFB Injection Date: 03/22/2016

Instrument ID: 10AIRD

BFB Injection Time: 14:50

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.35
75	30.00 - 66.00% of mass 95	49.48
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	102.10
175	4.00 - 9.00% of mass 174	8.43 (8.26)
176	93.00 - 101.00% of mass 174	98.78 (96.75)
177	5.00 - 9.00% of mass 176	6.51 (6.59)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	08206.D	03/22/2016	15:14
2	CAL2	CAL2	08207.D	03/22/2016	15:38
3	CAL3	CAL3	08208.D	03/22/2016	16:03
4	CAL4	CAL4	08209.D	03/22/2016	16:29
5	CAL5	CAL5	08210.D	03/22/2016	16:54
6	CAL6	CAL6	08211.D	03/22/2016	17:20
7	CAL7	CAL7	08212.D	03/22/2016	17:46
8	ICV	ICV	08214.D	03/22/2016	18:34

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10airD.i\032216.b\08206.d
Level 02: all \\192.168.10.12\chem\10airD.i\032216.b\08207.d
Level 03: all \\192.168.10.12\chem\10airD.i\032216.b\08208.d
Level 04: all \\192.168.10.12\chem\10airD.i\032216.b\08209.d
Level 05: all \\192.168.10.12\chem\10airD.i\032216.b\08210.d
Level 06: all \\192.168.10.12\chem\10airD.i\032216.b\08211.d
Level 07: all \\192.168.10.12\chem\10airD.i\032216.b\08212.d

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.33001	0.25623	0.24273	0.25988	0.25750	0.24493					
	0.23996						AVRG		0.26161		11.91576
2 Propylene	0.09820	0.10029	0.09605	0.09420	0.09061	0.08554					
	0.08647						AVRG		0.09305		6.12398
3 Dichlorodifluoromethane	0.69360	0.56471	0.58625	0.54745	0.55950	0.51734					
	0.47360						AVRG		0.56321		12.11414
4 Dichlorotetrafluoroethane	0.57631	0.54216	0.55306	0.52912	0.50921	0.47375					
	0.46020						AVRG		0.52054		8.10047

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\T015_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.19342	0.18537	0.17523	0.17101	0.16128	0.15344				
	0.15301						AVRG		0.17039	9.12678
6 Vinyl chloride	0.15120	0.17553	0.16620	0.15832	0.15422	0.14565				
	0.14533						AVRG		0.15663	7.06699
7 1,3-Butadiene	0.12656	0.09233	0.08748	0.09236	0.08975	0.08904				
	0.08821						AVRG		0.09511	14.72058
8 Bromomethane	0.23991	0.22080	0.20923	0.21403	0.20017	0.20046				
	0.19390						AVRG		0.21121	7.39730
9 Chloroethane	0.09170	0.07530	0.06443	0.07926	0.06921	0.06810				
	0.06669						AVRG		0.07353	12.94761
10 Ethanol	0.05165	0.04381	0.04510	0.04336	0.03697	0.03710				
	0.03915						AVRG		0.04245	12.31225
11 Vinyl Bromide	0.21346	0.21104	0.21305	0.21224	0.20399	0.18906				
	0.18097						AVRG		0.20340	6.47283

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
12 Isopentane	0.21794 0.13806	0.21572	0.17439	0.15165	0.13835	0.14153	AVRG		0.16823	21.09273
13 Acrolein	213 97027	694	1644	3077	31016	61952	LINR	0.00030	0.01360	0.99974
14 Trichlorofluoromethane	0.70778 0.51350	0.65564	0.61847	0.61852	0.58506	0.53800	AVRG		0.60528	11.03134
15 Acetone	0.30512 0.20769	0.26345	0.26315	0.26720	0.22938	0.21623	AVRG		0.25032	13.68721
16 Isopropyl Alcohol	0.29119 0.21539	0.25672	0.23552	0.24193	0.21940	0.21519	AVRG		0.23933	11.52703
17 Acrylonitrile	0.06585 0.09872	0.07428	0.08678	0.08039	0.09594	0.09816	AVRG		0.08573	14.93317
18 1,1-Dichloroethene	0.31487 0.27572	0.29647	0.28434	0.28544	0.28780	0.28059	AVRG		0.28932	4.47792

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.45239	0.42161	0.37995	0.38234	0.34900	0.32874				
	0.31729						AVRG		0.37590	13.02419
20 Freon 113	0.47918	0.46756	0.42270	0.41961	0.40324	0.38705				
	0.37299						AVRG		0.42176	9.34763
21 Methylene chloride	0.20694	0.20492	0.18041	0.18417	0.17810	0.16944				
	0.16602						AVRG		0.18429	8.71075
22 Allyl Chloride	0.08065	0.07512	0.06847	0.07376	0.08069	0.07528				
	0.07453						AVRG		0.07550	5.59371
23 Carbon Disulfide	0.60713	0.55249	0.54294	0.52511	0.53331	0.51676				
	0.51094						AVRG		0.54124	5.99216
24 trans-1,2-dichloroethene	0.18158	0.16844	0.17986	0.18460	0.19133	0.18540				
	0.18296						AVRG		0.18202	3.85183
25 Methyl Tert Butyl Ether	0.58514	0.54470	0.52513	0.52496	0.49778	0.44746				
	0.40525						AVRG		0.50435	12.03658

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\T015_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.39132 0.41529	0.35587	0.35792	0.35573	0.40723	0.41012	AVRG		0.38478	7.13397
27 1,1-Dichloroethane	0.37607 0.32102	0.39497	0.32192	0.33178	0.33521	0.32724	AVRG		0.34403	8.51584
29 Methyl Ethyl Ketone	0.10852 0.07951	0.08767	0.07979	0.08503	0.08411	0.08004	AVRG		0.08638	11.85925
30 n-Hexane	0.38790 0.31772	0.32585	0.31504	0.33452	0.33115	0.31532	AVRG		0.33250	7.70511
31 Di-isopropyl Ether	0.54059 0.39594	0.48310	0.45984	0.46452	0.45661	0.42399	AVRG		0.46066	9.89169
32 Ethyl Acetate	0.40006 0.32320	0.34575	0.29039	0.32713	0.32597	0.31824	AVRG		0.33296	10.16478
33 cis-1,2-Dichloroethene	0.20899 0.20254	0.19424	0.20527	0.18830	0.20646	0.20129	AVRG		0.20101	3.64064

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
34 Ethyl Tert-Butyl Ether	0.59322 0.43601	0.54411	0.52286	0.53597	0.52221	0.47497	AVRG		0.51848		9.73193
35 Chloroform	0.57194 0.44211	0.51068	0.46524	0.48730	0.47356	0.44788	AVRG		0.48553		9.19516
36 Tetrahydrofuran	0.17007 0.15534	0.13377	0.13296	0.14548	0.15149	0.15303	AVRG		0.14888		8.70700
37 1,1,1-Trichloroethane	0.60489 0.46420	0.51257	0.48943	0.50749	0.50387	0.48280	AVRG		0.50932		8.89402
38 1,2-Dichloroethane	0.35837 0.31873	0.34965	0.31384	0.34570	0.33969	0.32958	AVRG		0.33651		4.88763
39 Benzene	5807 ++++	11071	24991	6702	175537	455991	QUAD	0.00726	0.13855	0.05501	0.99806
40 Carbon tetrachloride	4768 ++++	9113	20261	9984	290245	657424	LINR	-0.00646	0.36123		0.99739

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
41 Cyclohexane	0.21901	0.24227	0.21477	0.11423	0.17239	0.17302				
	0.20366						AVRG		0.19134	22.07282
42 Tert Amyl Methyl Ether	0.63235	0.64162	0.54963	0.52425	0.51408	0.47430				
	0.44039						AVRG		0.53952	13.97436
44 2,2,4-Trimethylpentane	0.77862	0.68486	0.64249	0.63977	0.64751	0.62014				
	0.61018						AVRG		0.66051	8.65982
45 Heptane	0.26603	0.22675	0.23192	0.23883	0.23182	0.23049				
	0.23310						AVRG		0.23699	5.61246
46 1,2-Dichloropropane	0.24129	0.21177	0.17926	0.20074	0.19156	0.18787				
	0.18993						AVRG		0.20035	10.37690
47 Trichloroethene	0.32073	0.31178	0.26432	0.28246	0.27844	0.26932				
	0.26410						AVRG		0.28445	8.05728
48 1,4-Dioxane	0.08509	0.09574	0.08993	0.09008	0.07769	0.08430				
	0.08841						AVRG		0.08732	6.50099

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 Bromodichloromethane	0.57045 0.48133	0.51901	0.48754	0.49977	0.50777	0.48857	AVRG		0.50778	6.01428
50 Methylcyclohexane	0.09212 0.10900	0.10131	0.10083	0.10865	0.11287	0.10921	AVRG		0.10486	6.80627
51 Methyl Isobutyl Ketone	0.37901 0.32012	0.33409	0.32879	0.32407	0.34025	0.32726	AVRG		0.33623	5.94139
52 cis-1,3-Dichloropropene	0.34035 0.33738	0.31881	0.32572	0.33119	0.33889	0.33873	AVRG		0.33301	2.44637
53 trans-1,3-Dichloropropene	0.26955 0.33333	0.27641	0.27562	0.28965	0.34040	0.33236	AVRG		0.30247	10.39584
55 Toluene	0.75896 0.65093	0.72801	0.63638	0.63916	0.67916	0.65986	AVRG		0.67892	6.94882
56 1,1,2-Trichloroethane	0.27573 0.24331	0.26770	0.23980	0.23010	0.24927	0.24511	AVRG		0.25015	6.41436

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\T015_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
57 Methyl Butyl Ketone	0.66010	0.65089	0.64373	0.62966	0.69312	0.65136				
	0.66362						AVRG		0.65607	3.01319
58 Dibromochloromethane	1.19560	1.04875	1.04534	1.02286	1.17702	1.13095				
	1.13230						AVRG		1.10755	6.19423
59 1,2-Dibromoethane	0.95462	0.87251	0.85654	0.84383	0.92582	0.89328				
	0.90062						AVRG		0.89246	4.36295
60 Tetrachloroethene	1.05338	0.91291	0.82747	0.83906	0.79668	0.75434				
	0.75968						AVRG		0.84907	12.36118
62 Chlorobenzene	1.16283	1.13300	1.05995	1.06158	1.10670	1.05860				
	1.07759						AVRG		1.09432	3.75894
63 Ethyl Benzene	1.95548	1.88218	1.67378	1.64029	1.77387	1.71131				
	1.72558						AVRG		1.76607	6.47227
64 m&p-Xylene	1.49142	1.42876	1.32326	1.25245	1.35184	1.29002				
	1.29034						AVRG		1.34687	6.32360

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
65 Bromoform	1.01504	0.82854	0.82814	0.83299	1.12163	1.08916				
	1.09214						AVRG		0.97252	14.11111
66 Styrene	1.00272	0.87644	0.87826	0.90603	0.96209	0.94287				
	0.95339						AVRG		0.93169	5.02104
67 o-Xylene	1.66245	1.43055	1.35860	1.31191	1.39085	1.31922				
	1.32668						AVRG		1.40004	8.80950
68 1,1,2,2-Tetrachloroethane	0.89002	1.08855	0.95226	0.93091	0.95581	0.93834				
	0.94758						AVRG		0.95764	6.45561
69 Isopropylbenzene	2.14510	1.79936	1.76522	1.69561	1.81810	1.73145				
	1.73810						AVRG		1.81328	8.38876
70 N-Propylbenzene	2.06981	2.00015	1.91779	1.96208	2.14060	2.06775				
	2.03196						AVRG		2.02716	3.67415
71 4-Ethyltoluene	1.65943	1.58784	1.53505	1.57407	1.68200	1.66904				
	1.64386						AVRG		1.62161	3.44405

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\T015_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
72 1,3,5-Trimethylbenzene	1.64200 1.35582	1.62216	1.37398	1.35521	1.39939	1.35639	AVRG		1.44357	8.99533
73 Tert-Butyl Benzene	1.54254 1.36934	1.36668	1.37787	1.31384	1.40070	1.35750	AVRG		1.38978	5.20174
74 1,2,4-Trimethylbenzene	1.46609 1.29550	1.43627	1.21949	1.26880	1.33915	1.27902	AVRG		1.32919	6.84311
75 1,3-Dichlorobenzene	0.93858 0.90720	0.89467	0.90979	0.86370	0.91479	0.90086	AVRG		0.90423	2.50438
76 Sec- Butylbenzene	2.15765 1.78036	1.80818	1.77998	1.80270	1.85804	1.77553	AVRG		1.85178	7.44295
78 Benzyl Chloride	0.90466 1.05009	0.96224	0.91406	0.88017	1.00677	1.02408	AVRG		0.96315	6.82018
79 1,4-Dichlorobenzene	0.97484 0.85927	0.91136	0.77466	0.82589	0.85859	0.85085	AVRG		0.86507	7.33809

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 p-Isopropyltoluene	1.68824	1.47261	1.33794	1.40790	1.47207	1.44754					
	1.47328						AVRG		1.47137		7.31151
81 1,2,3-Trimethylbenzene	1.30063	1.07032	1.17432	1.19042	1.21714	1.17887					
	1.21634						AVRG		1.19258		5.76050
82 1,2-Dichlorobenzene	0.77894	0.74894	0.75357	0.73626	0.77793	0.77664					
	0.77965						AVRG		0.76456		2.34289
83 N-Butylbenzene	1.27902	1.23751	1.14707	1.24097	1.26000	1.27347					
	1.26447						AVRG		1.24322		3.62894
84 1,2,4-Trichlorobenzene	1691	2021	5962	11045	86826	207400					
	295312						LINR	0.00203	0.21937		0.99739
85 Naphthalene	2206	4329	8577	18557	145596	352926					
	496218						LINR	0.00297	0.37016		0.99658
86 Hexachlorobutadiene	2463	3878	7904	16441	108122	245866					
	376250						LINR	0.00300	0.27303		0.99917

Report Date : 23-Mar-2016 09:15

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date   : 22-MAR-2016 15:14
End Cal Date    : 22-MAR-2016 17:46
Quant Method    : ISTD
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\192.168.10.12\chem\10airD.i\032216.b\TO15_082-16.m
Last Edit      : 23-Mar-2016 08:15 10airD.i
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Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	b	Coefficients			RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2		
	30.0000											
	Level 7											
\$ 28 Hexane-d14(S)	0.46044	0.45347	0.45285	0.46550	0.45153	0.45497			0.45648		1.08130	
	0.45662						AVRG					
\$ 54 Toluene-d8 (S)	0.75237	0.74854	0.76432	0.78177	0.78427	0.77829			0.76926		1.86726	
	0.77523						AVRG					
\$ 77 1,4-dichlorobenzene-d4 (S)	0.52712	0.53532	0.52396	0.53541	0.54619	0.54378			0.53614		1.55191	
	0.54117						AVRG					

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAR-2016 15:14
End Cal Date : 22-MAR-2016 17:46
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10airD.i\032216.b\T015_082-16.m
Last Edit : 23-Mar-2016 08:15 10airD.i

Average %RSD Results.	
=====	
Calculated Average %RSD =	9.54040
Maximum Average %RSD =	0.000e+000
!* Failed Average %RSD Test.	

Curve	Formula	Units
=====		
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

TUNE

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08305T.D

BFB Injection Date: 03/23/2016

Instrument ID: 10AIRD

BFB Injection Time: 09:20

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.69
75	30.00 - 66.00% of mass 95	48.69
96	5.00 - 9.00% of mass 95	6.15
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	104.53
175	4.00 - 9.00% of mass 174	8.10 (7.75)
176	93.00 - 101.00% of mass 174	102.16 (97.74)
177	5.00 - 9.00% of mass 176	6.65 (6.51)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	LCS for HBN 405530 [AIR/25477]	2212938	08306LCS.D	03/23/2016	09:45
2	CCV	CCV	08306.D	03/23/2016	09:45
3	0	0	08307.D	03/23/2016	10:22
4	CERT	CERT	08308.D	03/23/2016	10:51
5	CERT	CERT	08309.D	03/23/2016	11:20
6	CERT	CERT	08310.D	03/23/2016	11:49
7	CERT	CERT	08311.D	03/23/2016	12:18
8	CERT	CERT	08312.D	03/23/2016	12:47
9	BLANK for HBN 405530 [AIR/2547]	2212937	08313.D	03/23/2016	13:16
10	IA-Prop1_20160308for 1,2,4-TCB	10341033020	08318.D	03/23/2016	15:37
11	IA-Prop1_20160308(2207425DUP)	2214033-DUP	08319.D	03/23/2016	16:08
12	IA-Prop2_20160308 1,2,4-TCB	10341033021	08320.D	03/23/2016	16:38
13	IA-Prop3_20160308 1,2,4-TCB	10341033022	08321.D	03/23/2016	17:07
14	IA-Prop4_20160308 1,2,4-TCB	10341033023	08322.D	03/23/2016	17:37
15	IA-13_20160308 1,2,4-TCB	10341033024	08323.D	03/23/2016	18:05
16	SS-C1_20160308DUP 1,2,4-TCB	10341033025	08324.D	03/23/2016	18:35
17	SS-E10_20160308DUP 1,2,4-TCB	10341033026	08325.D	03/23/2016	19:04
18	IA-Prop1_20160308DUP 1,2,4-TCB	10341033027	08326.D	03/23/2016	19:33
19	IA-C20_20160308DUP for MeCl2	10341033028	08327.D	03/23/2016	20:02
20	AA_20160308 1,2,4-TCB	10341033029	08328.D	03/23/2016	20:31

Data File: \\192.168.10.12\chem\10airD.i\032316.b\08306.d
 Report Date: 23-Mar-2016 10:07

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 23-MAR-2016 09:45
 Lab File ID: 08306.d Init. Cal. Date(s): 22-MAR-2016 22-MAR-2016
 Analysis Type: AIR Init. Cal. Times: 15:14 17:46
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10airD.i\032316.b\TO15_082-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.26161	0.28230	0.28230	0.010	7.90919	30.00000	Aver	
2 Propylene	0.09305	0.09708	0.09708	0.010	4.33321	30.00000	Aver	
3 Dichlorodifluoromethane	0.56321	0.59971	0.59971	0.010	6.47996	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.52054	0.54535	0.54535	0.010	4.76604	30.00000	Aver	
5 Chloromethane	0.17039	0.17353	0.17353	0.010	1.84235	30.00000	Aver	
6 Vinyl chloride	0.15663	0.16517	0.16517	0.010	5.44857	30.00000	Aver	
7 1,3-Butadiene	0.09511	0.09726	0.09726	0.010	2.26920	30.00000	Aver	
8 Bromomethane	0.21121	0.21948	0.21948	0.010	3.91234	30.00000	Aver	
9 Chloroethane	0.07353	0.07620	0.07620	0.010	3.63359	30.00000	Aver	(M)
10 Ethanol	0.04245	0.03333	0.03333	0.005	-21.48841	30.00000	Aver	
11 Vinyl Bromide	0.20340	0.21435	0.21435	0.010	5.38283	30.00000	Aver	
12 Isopentane	0.16823	0.14694	0.14694	0.010	-12.65903	30.00000	Aver	(M)
13 Acrolein	25.00000	27.27417	0.01496	0.010	9.09670	30.00000	Line	(M)
14 Trichlorofluoromethane	0.60528	0.61883	0.61883	0.010	2.23772	30.00000	Aver	
15 Acetone	0.25032	0.24153	0.24153	0.010	-3.51031	30.00000	Aver	
16 Isopropyl Alcohol	0.23933	0.21151	0.21151	0.010	-11.62405	30.00000	Aver	(M)
17 Acrylonitrile	0.08573	0.10529	0.10529	0.010	22.81642	30.00000	Aver	
18 1,1-Dichloroethene	0.28932	0.30868	0.30868	0.010	6.69257	30.00000	Aver	(M)
19 Tert Butyl Alcohol (TBA)	0.37590	0.35905	0.35905	0.010	-4.48423	30.00000	Aver	(M)
20 Freon 113	0.42176	0.43426	0.43426	0.010	2.96188	30.00000	Aver	
21 Methylene chloride	0.18429	0.18922	0.18922	0.010	2.67680	30.00000	Aver	
22 Allyl Chloride	0.07550	0.08420	0.08420	0.010	11.52515	30.00000	Aver	
23 Carbon Disulfide	0.54124	0.56453	0.56453	0.010	4.30415	30.00000	Aver	
24 trans-1,2-dichloroethene	0.18202	0.19938	0.19938	0.010	9.53630	30.00000	Aver	(M)
25 Methyl Tert Butyl Ether	0.50435	0.52186	0.52186	0.010	3.47295	30.00000	Aver	
26 Vinyl Acetate	0.38478	0.43327	0.43327	0.010	12.60195	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.34403	0.34621	0.34621	0.010	0.63215	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.45648	0.46083	0.46083	0.010	0.95180	30.00000	Aver	
29 Methyl Ethyl Ketone	0.08638	0.08716	0.08716	0.010	0.89584	30.00000	Aver	
30 n-Hexane	0.33250	0.34773	0.34773	0.010	4.58136	30.00000	Aver	(M)
31 Di-isopropyl Ether	0.46066	0.49694	0.49694	0.010	7.87713	30.00000	Aver	
32 Ethyl Acetate	0.33296	0.35031	0.35031	0.010	5.20993	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.20101	0.21663	0.21663	0.010	7.76857	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.51848	0.55932	0.55932	0.010	7.87634	30.00000	Aver	
35 Chloroform	0.48553	0.50019	0.50019	0.010	3.01937	30.00000	Aver	
36 Tetrahydrofuran	0.14888	0.16622	0.16622	0.010	11.64712	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.50932	0.53174	0.53174	0.010	4.40197	30.00000	Aver	
38 1,2-Dichloroethane	0.33651	0.36078	0.36078	0.010	7.21356	30.00000	Aver	
39 Benzene	10.00000	23.31798	0.62943	0.010	133	30.00000	Quad	<-
40 Carbon tetrachloride	10.00000	15.64264	0.55859	0.010	56.42642	30.00000	Line	<-
41 Cyclohexane	0.19134	0.23374	0.23374	0.010	22.16248	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.53952	0.54717	0.54717	0.010	1.41746	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airD.i\032316.b\08306.d
Report Date: 23-Mar-2016 10:07

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airD.i\032316.b\08306.d
 Report Date: 23-Mar-2016 10:07

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 23-MAR-2016 09:45
 Lab File ID: 08306.d Init. Cal. Date(s): 22-MAR-2016 22-MAR-2016
 Analysis Type: AIR Init. Cal. Times: 15:14 17:46
 Lab Sample ID: CCV Quant Type: ISTD
 Method: \\192.168.10.12\chem\10airD.i\032316.b\TO15_082-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	0.66051	0.69466	0.69466	0.010	5.16986	30.00000	Aver	
45 Heptane	0.23699	0.25276	0.25276	0.010	6.65503	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.20035	0.21248	0.21248	0.010	6.05664	30.00000	Aver	(M)
47 Trichloroethene	0.28445	0.29144	0.29144	0.010	2.45552	30.00000	Aver	
48 1,4-Dioxane	0.08732	0.06812	0.06812	0.010	-21.99182	30.00000	Aver	(M)
49 Bromodichloromethane	0.50778	0.54555	0.54555	0.010	7.43896	30.00000	Aver	
50 Methylcyclohexane	0.10486	0.12127	0.12127	0.010	15.65085	30.00000	Aver	
51 Methyl Isobutyl Ketone	0.33623	0.36533	0.36533	0.010	8.65454	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.33301	0.36754	0.36754	0.010	10.36834	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.30247	0.35380	0.35380	0.010	16.97002	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.76926	0.77488	0.77488	0.010	0.73051	30.00000	Aver	
55 Toluene	0.67892	0.70936	0.70936	0.010	4.48304	30.00000	Aver	
56 1,1,2-Trichloroethane	0.25015	0.26353	0.26353	0.010	5.35097	30.00000	Aver	
57 Methyl Butyl Ketone	0.65607	0.75114	0.75114	0.010	14.49180	30.00000	Aver	
58 Dibromochloromethane	1.10755	1.25874	1.25874	0.010	13.65164	30.00000	Aver	
59 1,2-Dibromoethane	0.89246	0.99777	0.99777	0.010	11.79955	30.00000	Aver	
60 Tetrachloroethene	0.84907	0.86049	0.86049	0.010	1.34454	30.00000	Aver	
62 Chlorobenzene	1.09432	1.19726	1.19726	0.010	9.40688	30.00000	Aver	
63 Ethyl Benzene	1.76607	1.92993	1.92993	0.010	9.27831	30.00000	Aver	
64 m&p-Xylene	1.34687	1.44691	1.44691	0.010	7.42732	30.00000	Aver	
65 Bromoform	0.97252	1.22688	1.22688	0.010	26.15430	30.00000	Aver	
66 Styrene	0.93169	1.04426	1.04426	0.010	12.08251	30.00000	Aver	
67 o-Xylene	1.40004	1.47618	1.47618	0.010	5.43897	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	0.95764	1.05778	1.05778	0.010	10.45722	30.00000	Aver	
69 Isopropylbenzene	1.81328	1.97486	1.97486	0.010	8.91082	30.00000	Aver	
70 N-Propylbenzene	2.02716	2.36229	2.36229	0.010	16.53164	30.00000	Aver	(M)
71 4-Ethyltoluene	1.62161	1.83930	1.83930	0.010	13.42443	30.00000	Aver	(M)
72 1,3,5-Trimethylbenzene	1.44357	1.51360	1.51360	0.010	4.85136	30.00000	Aver	
73 Tert-Butyl Benzene	1.38978	1.54694	1.54694	0.010	11.30803	30.00000	Aver	
74 1,2,4-Trimethylbenzene	1.32919	1.45595	1.45595	0.010	9.53718	30.00000	Aver	
75 1,3-Dichlorobenzene	0.90423	0.98824	0.98824	0.010	9.29130	30.00000	Aver	
76 Sec- Butylbenzene	1.85178	2.02552	2.02552	0.010	9.38264	30.00000	Aver	
77 1,4-dichlorobenzene-d4 (S)	0.53614	0.54043	0.54043	0.010	0.80073	30.00000	Aver	
78 Benzyl Chloride	0.96315	1.10053	1.10053	0.010	14.26367	30.00000	Aver	(M)
79 1,4-Dichlorobenzene	0.86507	0.94299	0.94299	0.010	9.00786	30.00000	Aver	
80 p-Isopropyltoluene	1.47137	1.57959	1.57959	0.010	7.35495	30.00000	Aver	(M)
81 1,2,3-Trimethylbenzene	1.19258	1.31528	1.31528	0.010	10.28876	30.00000	Aver	
82 1,2-Dichlorobenzene	0.76456	0.85127	0.85127	0.010	11.34050	30.00000	Aver	
83 N-Butylbenzene	1.24322	1.40713	1.40713	0.010	13.18465	30.00000	Aver	
84 1,2,4-Trichlorobenzene	10.00000	12.24755	0.27070	0.010	22.47555	30.00000	Line	
85 Naphthalene	10.00000	12.55000	0.46752	0.010	25.50001	30.00000	Line	
86 Hexachlorobutadiene	10.00000	12.21930	0.33663	0.010	22.19298	30.00000	Line	

Data File: \\192.168.10.12\chem\10airD.i\032316.b\08306.d
Report Date: 23-Mar-2016 10:07

QC Flag Legend

M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 10.90576
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08401BFB.D

BFB Injection Date: 03/24/2016

Instrument ID: 10AIRD

BFB Injection Time: 09:48

GC Column: J&W DB-5 ID: 0.32 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.83
75	30.00 - 66.00% of mass 95	52.03
96	5.00 - 9.00% of mass 95	6.34
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	105.35
175	4.00 - 9.00% of mass 174	9.09 (8.63)
176	93.00 - 101.00% of mass 174	105.15 (99.81)
177	5.00 - 9.00% of mass 176	6.75 (6.42)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	08402.D	03/24/2016	10:13
2	0	0	08403.D	03/24/2016	11:14
3	BLANK (BLK)	BLANK	08404.D	03/24/2016	11:43
4	IA-C1_20160308	10341033013	08405.D	03/24/2016	12:13
5	SS-E10*_20160308	10341033004	08406.D	03/24/2016	12:42
6	IA-G5_20160308	10341033018	08407.D	03/24/2016	13:15
7	SS-E16*_20160308	10341033005	08408.D	03/24/2016	13:47
8	IA-C20_20160308	10341033014	08409.D	03/24/2016	14:16
9	IA-E16_20160308	10341033017	08410.D	03/24/2016	14:46
10	SS-Prop1_20160308	10341033008	08411.D	03/24/2016	15:15
11	SS-Prop4_20160308	10341033011	08412.D	03/24/2016	15:47

for 1,4-dioxane, isopropanol, and 1,2,4-TCB

Data File: \\192.168.10.12\chem\10airD.i\032416.b\08402.d
Report Date: 24-Mar-2016 10:58

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 24-MAR-2016 10:13
Lab File ID: 08402.d Init. Cal. Date(s): 22-MAR-2016 22-MAR-2016
Analysis Type: AIR Init. Cal. Times: 15:14 17:46
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10airD.i\032416.b\TO15_082-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.26161	0.28699	0.28699	0.010	9.70191	30.00000	Aver	
2 Propylene	0.09305	0.09576	0.09576	0.010	2.91241	30.00000	Aver	
3 Dichlorodifluoromethane	0.56321	0.64066	0.64066	0.010	13.75138	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.52054	0.55290	0.55290	0.010	6.21646	30.00000	Aver	
5 Chloromethane	0.17039	0.17485	0.17485	0.010	2.61623	30.00000	Aver	
6 Vinyl chloride	0.15663	0.16094	0.16094	0.010	2.75041	30.00000	Aver	
7 1,3-Butadiene	0.09511	0.09404	0.09404	0.010	-1.12360	30.00000	Aver	
8 Bromomethane	0.21121	0.22140	0.22140	0.010	4.82180	30.00000	Aver	
9 Chloroethane	0.07353	0.07229	0.07229	0.010	-1.68572	30.00000	Aver	(M)
10 Ethanol	0.04245	0.03732	0.03732	0.005	-12.07606	30.00000	Aver	
11 Vinyl Bromide	0.20340	0.22205	0.22205	0.010	9.16500	30.00000	Aver	
12 Isopentane	0.16823	0.14739	0.14739	0.010	-12.39144	30.00000	Aver	(M)
13 Acrolein	25.00000	89.10272	0.04861	0.010	256	30.00000	Line	(A) <-
14 Trichlorofluoromethane	0.60528	0.65168	0.65168	0.010	7.66510	30.00000	Aver	
15 Acetone	0.25032	0.24403	0.24403	0.010	-2.50964	30.00000	Aver	
16 Isopropyl Alcohol	0.23933	0.23207	0.23207	0.010	-3.03548	30.00000	Aver	
17 Acrylonitrile	0.08573	0.10177	0.10177	0.010	18.71376	30.00000	Aver	
18 1,1-Dichloroethene	0.28932	0.30620	0.30620	0.010	5.83399	30.00000	Aver	(M)
19 Tert Butyl Alcohol (TBA)	0.37590	0.37698	0.37698	0.010	0.28614	30.00000	Aver	
20 Freon 113	0.42176	0.44091	0.44091	0.010	4.54077	30.00000	Aver	
21 Methylene chloride	0.18429	0.18706	0.18706	0.010	1.50250	30.00000	Aver	
22 Allyl Chloride	0.07550	0.08265	0.08265	0.010	9.47273	30.00000	Aver	
23 Carbon Disulfide	0.54124	0.55473	0.55473	0.010	2.49317	30.00000	Aver	
24 trans-1,2-dichloroethene	0.18202	0.20146	0.20146	0.010	10.67846	30.00000	Aver	(M)
25 Methyl Tert Butyl Ether	0.50435	0.54118	0.54118	0.010	7.30329	30.00000	Aver	
26 Vinyl Acetate	0.38478	0.41503	0.41503	0.010	7.86220	30.00000	Aver	(M)
27 1,1-Dichloroethane	0.34403	0.35395	0.35395	0.010	2.88361	30.00000	Aver	
\$ 28 Hexane-d14(S)	0.45648	0.43348	0.43348	0.010	-5.03787	30.00000	Aver	
29 Methyl Ethyl Ketone	0.08638	0.09018	0.09018	0.010	4.39061	30.00000	Aver	
30 n-Hexane	0.33250	0.33847	0.33847	0.010	1.79568	30.00000	Aver	(M)
31 Di-isopropyl Ether	0.46066	0.48393	0.48393	0.010	5.05288	30.00000	Aver	
32 Ethyl Acetate	0.33296	0.33187	0.33187	0.010	-0.32726	30.00000	Aver	(M)
33 cis-1,2-Dichloroethene	0.20101	0.22620	0.22620	0.010	12.52829	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.51848	0.55885	0.55885	0.010	7.78546	30.00000	Aver	
35 Chloroform	0.48553	0.52391	0.52391	0.010	7.90425	30.00000	Aver	
36 Tetrahydrofuran	0.14888	0.15875	0.15875	0.010	6.63347	30.00000	Aver	(M)
37 1,1,1-Trichloroethane	0.50932	0.55995	0.55995	0.010	9.94126	30.00000	Aver	
38 1,2-Dichloroethane	0.33651	0.38196	0.38196	0.010	13.50609	30.00000	Aver	
39 Benzene	10.00000	23.28176	0.62800	0.010	133	30.00000	Quad	<-
40 Carbon tetrachloride	10.00000	17.08335	0.61064	0.010	70.83350	30.00000	Line	<-
41 Cyclohexane	0.19134	0.22636	0.22636	0.010	18.30287	30.00000	Aver	(M)
42 Tert Amyl Methyl Ether	0.53952	0.55977	0.55977	0.010	3.75293	30.00000	Aver	

Data File: \\192.168.10.12\chem\10airD.i\032416.b\08402.d
Report Date: 24-Mar-2016 10:58

QC Flag Legend

- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- M - Compound response manually integrated.

Data File: \\192.168.10.12\chem\10airD.i\032416.b\08402.d
Report Date: 24-Mar-2016 10:58

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10airD.i Injection Date: 24-MAR-2016 10:13
Lab File ID: 08402.d Init. Cal. Date(s): 22-MAR-2016 22-MAR-2016
Analysis Type: AIR Init. Cal. Times: 15:14 17:46
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10airD.i\032416.b\TO15_082-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	0.66051	0.67526	0.67526	0.010	2.23381	30.00000	Aver	
45 Heptane	0.23699	0.23925	0.23925	0.010	0.95511	30.00000	Aver	(M)
46 1,2-Dichloropropane	0.20035	0.20165	0.20165	0.010	0.64911	30.00000	Aver	(M)
47 Trichloroethene	0.28445	0.30491	0.30491	0.010	7.19307	30.00000	Aver	
48 1,4-Dioxane	0.08732	0.08736	0.08736	0.010	0.04915	30.00000	Aver	(M)
49 Bromodichloromethane	0.50778	0.56204	0.56204	0.010	10.68735	30.00000	Aver	
50 Methylcyclohexane	0.10486	0.12254	0.12254	0.010	16.86073	30.00000	Aver	
51 Methyl Isobutyl Ketone	0.33623	0.36349	0.36349	0.010	8.10724	30.00000	Aver	
52 cis-1,3-Dichloropropene	0.33301	0.36980	0.36980	0.010	11.04620	30.00000	Aver	
53 trans-1,3-Dichloropropene	0.30247	0.35942	0.35942	0.010	18.82882	30.00000	Aver	(M)
54 Toluene-d8 (S)	0.76926	0.75899	0.75899	0.010	-1.33492	30.00000	Aver	
55 Toluene	0.67892	0.74362	0.74362	0.010	9.52953	30.00000	Aver	
56 1,1,2-Trichloroethane	0.25015	0.26695	0.26695	0.010	6.71770	30.00000	Aver	
57 Methyl Butyl Ketone	0.65607	0.75135	0.75135	0.010	14.52316	30.00000	Aver	
58 Dibromochloromethane	1.10755	1.32009	1.32009	0.010	19.19033	30.00000	Aver	
59 1,2-Dibromoethane	0.89246	1.02559	1.02559	0.010	14.91766	30.00000	Aver	
60 Tetrachloroethene	0.84907	0.91075	0.91075	0.010	7.26418	30.00000	Aver	
62 Chlorobenzene	1.09432	1.26364	1.26364	0.010	15.47231	30.00000	Aver	
63 Ethyl Benzene	1.76607	2.00286	2.00286	0.010	13.40756	30.00000	Aver	
64 m&p-Xylene	1.34687	1.51616	1.51616	0.010	12.56930	30.00000	Aver	
65 Bromoform	0.97252	1.32369	1.32369	0.010	36.10933	30.00000	Aver	<-
66 Styrene	0.93169	1.10457	1.10457	0.010	18.55633	30.00000	Aver	
67 o-Xylene	1.40004	1.56011	1.56011	0.010	11.43336	30.00000	Aver	
68 1,1,2,2-Tetrachloroethane	0.95764	1.06824	1.06824	0.010	11.54975	30.00000	Aver	
69 Isopropylbenzene	1.81328	2.08106	2.08106	0.010	14.76779	30.00000	Aver	
70 N-Propylbenzene	2.02716	2.43571	2.43571	0.010	20.15370	30.00000	Aver	(M)
71 4-Ethyltoluene	1.62161	1.97109	1.97109	0.010	21.55122	30.00000	Aver	
72 1,3,5-Trimethylbenzene	1.44357	1.59725	1.59725	0.010	10.64587	30.00000	Aver	
73 Tert-Butyl Benzene	1.38978	1.61964	1.61964	0.010	16.53940	30.00000	Aver	
74 1,2,4-Trimethylbenzene	1.32919	1.52504	1.52504	0.010	14.73463	30.00000	Aver	
75 1,3-Dichlorobenzene	0.90423	1.09461	1.09461	0.010	21.05485	30.00000	Aver	
76 Sec- Butylbenzene	1.85178	2.18012	2.18012	0.010	17.73106	30.00000	Aver	
77 1,4-dichlorobenzene-d4 (S)	0.53614	0.59788	0.59788	0.010	11.51568	30.00000	Aver	
78 Benzyl Chloride	0.96315	1.19177	1.19177	0.010	23.73625	30.00000	Aver	
79 1,4-Dichlorobenzene	0.86507	1.00461	1.00461	0.010	16.13127	30.00000	Aver	
80 p-Isopropyltoluene	1.47137	1.72274	1.72274	0.010	17.08442	30.00000	Aver	(M)
81 1,2,3-Trimethylbenzene	1.19258	1.39437	1.39437	0.010	16.92117	30.00000	Aver	
82 1,2-Dichlorobenzene	0.76456	0.92265	0.92265	0.010	20.67656	30.00000	Aver	
83 N-Butylbenzene	1.24322	1.46522	1.46522	0.010	17.85764	30.00000	Aver	
84 1,2,4-Trichlorobenzene	10.00000	11.43282	0.25283	0.010	14.32820	30.00000	Line	
85 Naphthalene	10.00000	10.76482	0.40144	0.010	7.64823	30.00000	Line	
86 Hexachlorobutadiene	10.00000	12.36516	0.34061	0.010	23.65160	30.00000	Line	

Data File: \\192.168.10.12\chem\10airD.i\032416.b\08402.d
Report Date: 24-Mar-2016 10:58

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Average %D / Drift Results.
=====
Calculated Average %D/Drift = 15.43964
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08301BFB.D

BFB Injection Date: 03/23/2016

Instrument ID: 10AIR7

BFB Injection Time: 09:33

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	25.48
75	30.00 - 66.00% of mass 95	46.77
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.91 (1.08)
174	50.00 - 120.00% of mass 95	84.74
175	4.00 - 9.00% of mass 174	6.71 (7.92)
176	93.00 - 101.00% of mass 174	82.30 (97.12)
177	5.00 - 9.00% of mass 176	5.51 (6.70)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CAL1	CAL1	08315.D	03/23/2016	16:18
2	CAL2	CAL2	08316.D	03/23/2016	16:41
3	CAL3	CAL3	08317.D	03/23/2016	17:05
4	CAL4	CAL4	08318.D	03/23/2016	17:30
5	CAL5	CAL5	08319.D	03/23/2016	17:54
6	CAL6	CAL6	08320.D	03/23/2016	18:18
7	CAL7	CAL7	08321.D	03/23/2016	18:43
8	ICV (LCS)	ICV	08323.D	03/23/2016	19:30

for 1,4-dioxane, isopropanol, and 1,2,4-TCB only

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-MAR-2016 16:18
End Cal Date : 23-MAR-2016 18:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\032316b.b\TO15_083-16.m
Last Edit : 24-Mar-2016 13:30 10air7.i

Calibration File Names:

Level 01: all \\192.168.10.12\chem\10air7.i\032316b.b\08315.D
Level 02: all \\192.168.10.12\chem\10air7.i\032316b.b\08316.D
Level 03: all \\192.168.10.12\chem\10air7.i\032316b.b\08317.D
Level 04: all \\192.168.10.12\chem\10air7.i\032316b.b\08318.D
Level 05: all \\192.168.10.12\chem\10air7.i\032316b.b\08319.D
Level 06: all \\192.168.10.12\chem\10air7.i\032316b.b\08320.D
Level 07: all \\192.168.10.12\chem\10air7.i\032316b.b\08321.D

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
1 Chlorodifluoromethane	0.75179	0.70624	0.61707	0.62289	0.70130	0.65685					
	0.60749						AVRG		0.66623		8.21753
2 Propylene	0.36493	0.32199	0.24390	0.24398	0.28418	0.26489					
	0.24172						AVRG		0.28080		16.75648
3 Dichlorodifluoromethane	0.98592	0.92136	0.86523	0.81647	0.92810	0.84849					
	0.72529						AVRG		0.87012		9.81306
4 Dichlorotetrafluoroethane	0.88681	0.83459	0.78177	0.75277	0.80954	0.79167					
	0.74070						AVRG		0.79969		6.24670

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-MAR-2016 16:18
End Cal Date : 23-MAR-2016 18:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\032316b.b\TO15_083-16.m
Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
5 Chloromethane	0.46177 0.39860	0.44351	0.43598	0.40332	0.47032	0.43428	AVRG		0.43540	6.19489
6 Vinyl chloride	0.27686 0.26939	0.29187	0.26131	0.24772	0.29496	0.28163	AVRG		0.27482	6.11324
7 1,3-Butadiene	0.25720 0.21406	0.19925	0.20311	0.19471	0.23766	0.22845	AVRG		0.21921	10.45886
8 Bromomethane	0.30627 0.27508	0.28341	0.26461	0.26300	0.30684	0.29338	AVRG		0.28466	6.41279
9 Chloroethane	0.11650 0.10831	0.10801	0.11029	0.09546	0.11628	0.11286	AVRG		0.10967	6.52629
10 Ethanol	0.12660 0.09645	0.10732	0.10136	0.10809	0.08934	0.09917	AVRG		0.10405	11.37856
11 Vinyl Bromide	0.29467 0.26869	0.29132	0.27252	0.24670	0.29942	0.28100	AVRG		0.27919	6.55481

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

```
Start Cal Date   : 23-MAR-2016 16:18
End Cal Date    : 23-MAR-2016 18:43
Quant Method    : ISTD
Target Version  : 4.14
Integrator      : HP RTE
Method file     : \\192.168.10.12\chem\10air7.i\032316b.b\TO15_083-16.m
Last Edit      : 24-Mar-2016 13:30 10air7.i
```

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	30.0000										
	Level 7										
12 Isopentane	0.47054 0.28870	0.36456	0.37948	0.33919	0.35039	0.31950	AVRG		0.35891		16.03010
13 Acrolein	0.09040 0.10406	0.09507	0.09752	0.09257	0.11415	0.10689	AVRG		0.10009		8.57136
14 Trichlorofluoromethane	1.00883 0.80588	0.99014	0.92216	0.86692	0.96905	0.88592	AVRG		0.92127		7.95339
15 Acetone	0.67224 0.41309	0.66325	0.66598	0.63196	0.60077	0.46748	AVRG		0.58783		17.84917
16 Isopropyl Alcohol	0.58915 0.43646	0.53396	0.53204	0.52049	0.47050	0.47021	AVRG		0.50755		10.15664
17 Acrylonitrile	0.22221 0.21787	0.21699	0.23060	0.21800	0.25238	0.23760	AVRG		0.22795		5.80515
18 1,1-Dichloroethene	0.50547 0.47776	0.52140	0.49546	0.46884	0.55142	0.50938	AVRG		0.50425		5.47867

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-MAR-2016 16:18
End Cal Date : 23-MAR-2016 18:43
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\032316b.b\TO15_083-16.m
Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
19 Tert Butyl Alcohol (TBA)	0.68378 0.50562	0.63924	0.61101	0.60049	0.58020	0.56363	AVRG		0.59771	9.48021
20 Freon 113	0.62652 0.55990	0.58960	0.56921	0.55105	0.61957	0.59627	AVRG		0.58745	4.94214
21 Methylene chloride	0.47171 0.31274	0.46630	0.46629	0.42545	0.44814	0.37208	AVRG		0.42324	14.14630
22 Allyl Chloride	0.08891 0.10379	0.08833	0.09395	0.08886	0.11048	0.10812	AVRG		0.09749	9.96185
23 Carbon Disulfide	0.92516 0.65213	0.77062	0.66530	0.61688	0.71576	0.67997	AVRG		0.71797	14.43833
24 trans-1,2-dichloroethene	0.26013 0.26034	0.25158	0.22526	0.22418	0.28038	0.26879	AVRG		0.25295	8.39575
25 Methyl Tert Butyl Ether	0.54639 0.54467	0.59320	0.63828	0.62522	0.69106	0.61906	AVRG		0.60827	8.55860

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

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Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
26 Vinyl Acetate	0.87983 0.87039	0.90077	0.93177	0.83449	1.01389	0.95192	AVRG		0.91186	6.52893
27 1,1-Dichloroethane	0.47948 0.51025	0.51537	0.50384	0.48903	0.57786	0.54384	AVRG		0.51710	6.52757
29 Methyl Ethyl Ketone	+++++ 0.09890	0.07242	0.08525	0.08875	0.09508	0.10249	AVRG		0.09048	12.03467
30 n-Hexane	0.58005 0.39599	0.58016	0.45800	0.41557	0.47803	0.45501	AVRG		0.48040	15.28787
31 Di-isopropyl Ether	0.94332 0.63305	1.00856	1.04398	1.03903	0.99292	0.80188	AVRG		0.92325	16.51320
32 Ethyl Acetate	0.74789 0.66159	0.72903	0.69919	0.69955	0.77638	0.74599	AVRG		0.72280	5.33520
33 cis-1,2-Dichloroethene	0.25623 0.26827	0.25126	0.22705	0.23757	0.28640	0.27707	AVRG		0.25769	8.23024

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Target Version : 4.14
Integrator : HP RTE
Method file : \\192.168.10.12\chem\10air7.i\032316b.b\TO15_083-16.m
Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
34 Ethyl Tert-Butyl Ether	0.73593 0.66039	0.79658	0.84712	0.83653	0.91540	0.80331	AVRG		0.79932	10.27654
35 Chloroform	0.57371 0.59204	0.63185	0.64534	0.60658	0.71026	0.66811	AVRG		0.63256	7.42781
36 Tetrahydrofuran	0.26403 0.31589	0.30522	0.30250	0.29794	0.33630	0.34283	AVRG		0.30924	8.49229
37 1,1,1-Trichloroethane	0.68534 0.65514	0.69924	0.65296	0.66222	0.77426	0.71436	AVRG		0.69193	6.22561
38 1,2-Dichloroethane	0.48533 0.48898	0.49609	0.50266	0.47293	0.57834	0.53759	AVRG		0.50885	7.21872
39 Benzene	0.58623 0.72631	0.68850	0.61845	0.61960	0.77468	0.74988	AVRG		0.68052	10.78073
40 Carbon tetrachloride	0.74497 0.80965	0.80782	0.74568	0.73504	0.93520	0.86887	AVRG		0.80675	9.20081

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-MAR-2016 16:18
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Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
41 Cyclohexane	0.43707 0.42817	0.43333	0.40736	0.39273	0.47404	0.45390	AVRG		0.43237		6.28993
42 Tert Amyl Methyl Ether	0.84112 0.62593	0.72065	0.68345	0.66850	0.76691	0.70637	AVRG		0.71613		9.83916
44 2,2,4-Trimethylpentane	1.31452 1.21387	1.37152	1.32748	1.33314	1.50878	1.35839	AVRG		1.34681		6.51939
45 Heptane	0.59581 0.60826	0.58285	0.58367	0.57627	0.68922	0.63224	AVRG		0.60976		6.54067
46 1,2-Dichloropropane	0.29360 0.34830	0.30701	0.29985	0.30407	0.37083	0.36085	AVRG		0.32636		9.92582
47 Trichloroethene	0.32658 0.41980	0.37432	0.34382	0.34326	0.42981	0.42758	AVRG		0.38074		11.68186
48 Methyl methacrylate	722 558818	1857	6083	11662	165165	351085	LINR	-0.00148	0.25811		0.99974

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Target Version : 4.14
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Method file : \\192.168.10.12\chem\10air7.i\032316b.b\TO15_083-16.m
Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	30.0000									
	Level 7									
49 1,4-Dioxane	++++	0.09352	0.08310	0.11132	0.11633	0.13959				
	0.14041						AVRG		0.11405	20.52431
50 Bromodichloromethane	0.61027	0.65618	0.65627	0.67321	0.84409	0.80493				
	0.76148						AVRG		0.71520	12.31351
51 Methylcyclohexane	++++	0.12477	0.12838	0.13232	0.17491	0.17303				
	0.16815						AVRG		0.15026	16.01744
52 Methyl Isobutyl Ketone	0.81886	0.81714	0.78486	0.83110	0.89623	0.75068				
	0.62548						AVRG		0.78919	10.74919
53 cis-1,3-Dichloropropene	++++	0.39353	0.39110	0.39474	0.52836	0.51471				
	0.49834						AVRG		0.45346	14.72905
54 trans-1,3-Dichloropropene	2160	3592	11165	22561	322137	701915				
	1097117						QUAD	-0.00877	0.54580	-0.01325
56 Toluene	0.73636	0.81091	0.80228	0.76800	0.98083	0.96027				
	0.91864						AVRG		0.85390	11.44704

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

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Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2 or R^2
	30.0000									
	Level 7									
57 1,1,2-Trichloroethane	0.33292	0.32573	0.32422	0.31159	0.40057	0.39882				
	0.38662						AVRG		0.35435	11.03246
58 Methyl Butyl Ketone	1.38338	1.28991	1.19030	1.25665	1.46454	1.23600				
	1.04419						AVRG		1.26643	10.67612
59 Dibromochloromethane	+++++	1.08389	1.12894	1.14193	1.57626	1.49580				
	1.48470						AVRG		1.31859	16.87809
60 1,2-Dibromoethane	3233	6421	15977	32280	467916	989541				
	1547790						LINR	0.00497	1.19233	0.99911
61 Tetrachloroethene	0.89430	0.79598	0.79781	0.74111	0.98967	0.94102				
	0.93739						AVRG		0.87104	10.66628
63 Chlorobenzene	1.04172	1.09005	1.08296	1.00434	1.38954	1.34945				
	1.32578						AVRG		1.18341	13.85417
64 Ethyl Benzene	5046	10178	25253	53760	814489	1755422				
	2687109						LINR	0.00771	2.08376	0.99873

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Method file : \\192.168.10.12\chem\10air7.i\032316b.b\TO15_083-16.m
Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
65 m&p-Xylene	7566 4096371	15515	40918	86641	1250170	2693335	LINR	0.02053	1.59026		0.99850
66 Bromoform	2619 1794935	5305	13761	28771	500350	1140114	LINR	-0.02099	1.38342		0.99983
67 Styrene	2260 1531181	5014	12535	27141	447579	976973	LINR	-0.00759	1.18124		0.99952
68 o-Xylene	1.27338 1.62473	1.15602	1.19279	1.20949	1.76529	1.66276	AVRG		1.41207		18.43898
69 1,1,2,2-Tetrachloroethane	1.12840 1.21811	0.91950	0.86498	0.91913	1.32284	1.27140	AVRG		1.09205		17.28877
70 Isopropylbenzene	1.76021 2.12377	1.62682	1.50489	1.56110	2.32108	2.23193	AVRG		1.87568		18.19144
71 N-Propylbenzene	++++ 2.50902	++++	1.42404	1.62480	2.83186	2.64612	AVRG		2.20717		28.89072

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-MAR-2016 16:18
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Quant Method : ISTD
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Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
72 4-Ethyltoluene	4412	8819	20337	43398	812852	1737529					
	2691078						LINR	-0.00615	2.08501		0.99886
73 1,3,5-Trimethylbenzene	4156	7978	19822	39450	693487	1453436					
	2242367						LINR	0.00588	1.73773		0.99838
74 Tert-Butyl Benzene	3751	7810	18544	39068	737944	1567579					
	2474494						LINR	-0.01216	1.90774		0.99922
75 1,2,4-Trimethylbenzene	3381	6370	16775	37348	678063	1450070					
	2255118						LINR	-0.00715	1.74545		0.99900
76 1,3-Dichlorobenzene	2569	4676	10658	23979	479304	1037071					
	1669768						LINR	-0.01946	1.28138		0.99962
77 Sec- Butylbenzene	5411	9683	23426	53796	972268	2010116					
	3174383						LINR	-0.00412	2.44707		0.99871
79 Benzyl Chloride	2378	4164	10150	22469	530346	1137516					
	1869083						LINR	-0.03068	1.42883		0.99939

Report Date : 24-Mar-2016 13:31

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	30.0000										
	Level 7										
80 1,4-Dichlorobenzene	2808 1607394	4937	11824	23609	465360	975812	LINR	-0.01690	1.22569		0.99918
81 p-Isopropyltoluene	++++ 2.04903	++++	1.23854	1.29251	2.35440	2.01187	AVRG		1.78927		27.75455
82 1,2,3-Trimethylbenzene	3596 2178058	6891	17403	38189	650490	1376879	LINR	-0.00715	1.67690		0.99925
83 1,2-Dichlorobenzene	2111 1492957	4246	10204	20870	433195	916147	LINR	-0.01648	1.14234		0.99934
84 N-Butylbenzene	3284 2295009	5798	15192	34658	712540	1481762	LINR	-0.00281	1.78076		0.99820
85 1,2,4-Trichlorobenzene	113 568674	689	2008	3686	119086	323759	QUAD	-0.00967	0.30131	0.04572	0.99972
86 Naphthalene	731 1264307	1407	4397	7854	283077	759957	QUAD	-0.02827	0.78481	0.06489	0.99924

Report Date : 24-Mar-2016 13:31

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Last Edit : 24-Mar-2016 13:30 10air7.i

Compound (all.sb)	0.1000000	0.2000000	0.5000000	1.0000	10.0000	20.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	30.0000										
	Level 7										
87 Hexachlorobutadiene	1053	1862	4554	9343	154757	330039					
	551781						LINR	-0.00661	0.41845		0.99916
\$ 28 Hexane-d14 (S)	0.41411	0.40742	0.40402	0.40268	0.38318	0.38517					
	0.38807						AVRG		0.39781		3.05974
\$ 55 Toluene-d8 (S)	0.79680	0.80259	0.81534	0.81456	0.82341	0.81997					
	0.81735						AVRG		0.81286		1.18254
\$ 78 1,4-dichlorobenzene-d4 (S)	0.39353	0.42654	0.44910	0.46809	0.53833	0.53628					
	0.56713						AVRG		0.48271		13.51615

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Average %RSD Results.	
=====	
Calculated Average %RSD = 10.85201	
Maximum Average %RSD = 0.000e+000	
* Failed Average %RSD Test.	

Curve	Formula	Units
=====	=====	=====
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + m1*Rsp	Amount
Quad	Rsp = b + m1*Amt + m2*Amt^2	Amount

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.

BFB

Lab Name: Pace Analytical

Contract:

Lab Code: PASI

Case No.:

SAS No.:

SDG No.: 10341033

Lab File ID: 08401BFB.D

BFB Injection Date: 03/24/2016

Instrument ID: 10AIR7

BFB Injection Time: 08:38

GC Column: J&W DB-5

ID: 0.32

(mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	25.49
75	30.00 - 66.00% of mass 95	46.78
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	1.19 (1.35)
174	50.00 - 120.00% of mass 95	87.88
175	4.00 - 9.00% of mass 174	7.01 (7.98)
176	93.00 - 101.00% of mass 174	85.70 (97.51)
177	5.00 - 9.00% of mass 176	5.65 (6.59)

1 - Value is %mass 174 2 - Value is %mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV	CCV	08402.D	03/24/2016	09:02
2	LCS for HBN 405529 [AIR/	2212936	08402A.D	03/24/2016	09:02
3	CERT	CERT	08406.D	03/24/2016	11:00
4	BLANK for HBN 405529 [AI	2212935	08406A.D	03/24/2016	11:00
5	SS-Prop2_20160308	10341033009	08408.D	03/24/2016	12:00
6	SS-D7*_20160308	10341033003	08409.D	03/24/2016	12:28
7	SS-C20*_20160308	10341033002	08410.D	03/24/2016	12:55
8	SS-C1*_20160308	10341033001	08411.D	03/24/2016	13:24
9	SS-H21*_20160308	10341033007	08412.D	03/24/2016	13:52
10	SS-G5*_20160308	10341033006	08413.D	03/24/2016	14:19
11	IA-H21_20160308	10341033019	08414.D	03/24/2016	14:47
12	SS-12_20160308	10341033012	08415.D	03/24/2016	15:14
13	SS-Prop3_20160308	10341033010	08416.D	03/24/2016	15:41

for 1,4-dioxane, isopropanol, and 1,2,4-TCB only

Data File: \\192.168.10.12\chem\10air7.i\032416.b\08402.D
Report Date: 24-Mar-2016 13:32

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 24-MAR-2016 09:02
Lab File ID: 08402.D Init. Cal. Date(s): 23-MAR-2016 23-MAR-2016
Analysis Type: AIR Init. Cal. Times: 16:18 18:43
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\032416.b\TO15_083-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 Chlorodifluoromethane	0.66623	0.68578	0.68578	0.010	2.93378	30.00000	Aver	
2 Propylene	0.28080	0.27966	0.27966	0.010	-0.40500	30.00000	Aver	
3 Dichlorodifluoromethane	0.87012	0.91518	0.91518	0.010	5.17868	30.00000	Aver	
4 Dichlorotetrafluoroethane	0.79969	0.81206	0.81206	0.010	1.54668	30.00000	Aver	
5 Chloromethane	0.43540	0.44194	0.44194	0.010	1.50279	30.00000	Aver	
6 Vinyl chloride	0.27482	0.29825	0.29825	0.010	8.52446	30.00000	Aver	
7 1,3-Butadiene	0.21921	0.23571	0.23571	0.010	7.52722	30.00000	Aver	
8 Bromomethane	0.28466	0.30771	0.30771	0.010	8.09960	30.00000	Aver	
9 Chloroethane	0.10967	0.12176	0.12176	0.010	11.02159	30.00000	Aver	
10 Ethanol	0.10405	0.10356	0.10356	0.005	-0.46866	30.00000	Aver	(A)
11 Vinyl Bromide	0.27919	0.29644	0.29644	0.010	6.17941	30.00000	Aver	
12 Isopentane	0.35891	0.34273	0.34273	0.010	-4.50757	30.00000	Aver	
13 Acrolein	0.10009	0.11125	0.11125	0.010	11.14900	30.00000	Aver	
14 Trichlorofluoromethane	0.92127	0.89614	0.89614	0.010	-2.72777	30.00000	Aver	
15 Acetone	0.58783	0.60867	0.60867	0.010	3.54564	30.00000	Aver	(A)
16 Isopropyl Alcohol	0.50755	0.52529	0.52529	0.010	3.49551	30.00000	Aver	(AQ)
17 Acrylonitrile	0.22795	0.25340	0.25340	0.010	11.16301	30.00000	Aver	
18 1,1-Dichloroethene	0.50425	0.52499	0.52499	0.010	4.11423	30.00000	Aver	
19 Tert Butyl Alcohol (TBA)	0.59771	0.62777	0.62777	0.010	5.02856	30.00000	Aver	(A)
20 Freon 113	0.58745	0.60964	0.60964	0.010	3.77872	30.00000	Aver	
21 Methylene chloride	0.42324	0.41496	0.41496	0.010	-1.95613	30.00000	Aver	(A)
22 Allyl Chloride	0.09749	0.10609	0.10609	0.010	8.82464	30.00000	Aver	(Q)
23 Carbon Disulfide	0.71797	0.71589	0.71589	0.010	-0.28973	30.00000	Aver	
24 trans-1,2-dichloroethene	0.25295	0.27489	0.27489	0.010	8.67282	30.00000	Aver	
25 Methyl Tert Butyl Ether	0.60827	0.67194	0.67194	0.010	10.46799	30.00000	Aver	(A)
26 Vinyl Acetate	0.91186	0.98525	0.98525	0.010	8.04748	30.00000	Aver	
27 1,1-Dichloroethane	0.51710	0.56102	0.56102	0.010	8.49444	30.00000	Aver	
28 Hexane-d14(S)	0.39781	0.38625	0.38625	0.010	-2.90575	30.00000	Aver	
29 Methyl Ethyl Ketone	0.09048	0.10286	0.10286	0.010	13.68220	30.00000	Aver	(AQ)
30 n-Hexane	0.48040	0.43860	0.43860	0.010	-13.25469	30.00000	Aver	(Q)
31 Di-isopropyl Ether	0.92325	0.92663	0.92663	0.010	0.36642	30.00000	Aver	(A)
32 Ethyl Acetate	0.72280	0.76268	0.76268	0.010	5.51714	30.00000	Aver	
33 cis-1,2-Dichloroethene	0.25769	0.28427	0.28427	0.010	10.31471	30.00000	Aver	
34 Ethyl Tert-Butyl Ether	0.79932	0.89120	0.89120	0.010	11.49410	30.00000	Aver	(A)
35 Chloroform	0.63256	0.67103	0.67103	0.010	6.08289	30.00000	Aver	
36 Tetrahydrofuran	0.30924	0.35925	0.35925	0.010	16.17046	30.00000	Aver	
37 1,1,1-Trichloroethane	0.69193	0.71779	0.71779	0.010	3.73723	30.00000	Aver	
38 1,2-Dichloroethane	0.50885	0.53474	0.53474	0.010	5.08832	30.00000	Aver	
39 Benzene	0.68052	0.77072	0.77072	0.010	13.25478	30.00000	Aver	
40 Carbon tetrachloride	0.80675	0.88032	0.88032	0.010	9.12031	30.00000	Aver	
41 Cyclohexane	0.43237	0.48007	0.48007	0.010	11.03286	30.00000	Aver	
42 Tert Amyl Methyl Ether	0.71613	0.76895	0.76895	0.010	7.37500	30.00000	Aver	(A)

Data File: \\192.168.10.12\chem\10air7.i\032416.b\08402.D
Report Date: 24-Mar-2016 13:32

QC Flag Legend

- A - Target compound detected but, quantitated amount
exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

Data File: \\192.168.10.12\chem\10air7.i\032416.b\08402.D
Report Date: 24-Mar-2016 13:32

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 10air7.i Injection Date: 24-MAR-2016 09:02
Lab File ID: 08402.D Init. Cal. Date(s): 23-MAR-2016 23-MAR-2016
Analysis Type: AIR Init. Cal. Times: 16:18 18:43
Lab Sample ID: CCV Quant Type: ISTD
Method: \\192.168.10.12\chem\10air7.i\032416.b\TO15_083-16.m

COMPOUND	RRF / AMOUNT	RF10	CCAL RRF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
44 2,2,4-Trimethylpentane	1.34681	1.48386	1.48386	0.010	10.17556	30.00000	Aver	
45 Heptane	0.60976	0.68592	0.68592	0.010	12.48934	30.00000	Aver	
46 1,2-Dichloropropane	0.32636	0.37410	0.37410	0.010	14.62755	30.00000	Aver	
47 Trichloroethene	0.38074	0.43906	0.43906	0.010	15.31738	30.00000	Aver	
48 Methyl methacrylate	10.00000	10.79258	0.27709	0.100	7.92582	30.00000	Line	
49 1,4-Dioxane	0.11405	0.14263	0.14263	0.010	25.06301	30.00000	Aver	
50 Bromodichloromethane	0.71520	0.82997	0.82997	0.010	16.04677	30.00000	Aver	
51 Methylcyclohexane	0.15026	0.18532	0.18532	0.010	23.33031	30.00000	Aver	
52 Methyl Isobutyl Ketone	0.78919	0.88770	0.88770	0.010	12.48221	30.00000	Aver	(A)
53 cis-1,3-Dichloropropene	0.45346	0.51870	0.51870	0.010	14.38624	30.00000	Aver	
54 trans-1,3-Dichloropropene	10.00000	9.83368	0.51513	0.010	-1.66319	30.00000	Quad	
\$ 55 Toluene-d8 (S)	0.81286	0.80938	0.80938	0.010	-0.42773	30.00000	Aver	
56 Toluene	0.85390	0.98243	0.98243	0.010	15.05210	30.00000	Aver	
57 1,1,2-Trichloroethane	0.35435	0.39686	0.39686	0.010	11.99625	30.00000	Aver	(M)
58 Methyl Butyl Ketone	1.26643	1.44435	1.44435	0.010	14.04942	30.00000	Aver	(A)
59 Dibromochloromethane	1.31859	1.50805	1.50805	0.010	14.36893	30.00000	Aver	
60 1,2-Dibromoethane	10.00000	10.21474	1.22291	0.010	2.14744	30.00000	Line	
61 Tetrachloroethene	0.87104	0.95967	0.95967	0.010	10.17565	30.00000	Aver	
63 Chlorobenzene	1.18341	1.36047	1.36047	0.010	14.96237	30.00000	Aver	
64 Ethyl Benzene	10.00000	10.28553	2.15097	0.010	2.85534	30.00000	Line	
65 m&p-Xylene	20.00000	20.44160	1.63564	0.010	2.20802	30.00000	Line	
66 Bromoform	10.00000	9.94642	1.35501	0.010	-0.53577	30.00000	Line	
67 Styrene	10.00000	9.96586	1.16961	0.010	-0.34139	30.00000	Line	
68 o-Xylene	1.41207	1.69376	1.69376	0.010	19.94879	30.00000	Aver	
69 1,1,2,2-Tetrachloroethane	1.09205	1.28239	1.28239	0.010	17.42898	30.00000	Aver	
70 Isopropylbenzene	1.87568	2.22867	2.22867	0.010	18.81884	30.00000	Aver	
71 N-Propylbenzene	2.20717	2.66385	2.66385	0.010	20.69101	30.00000	Aver	
72 4-Ethyltoluene	10.00000	10.29096	2.13953	0.010	2.90961	30.00000	Line	(M)
73 1,3,5-Trimethylbenzene	10.00000	10.28295	1.79278	0.010	2.82951	30.00000	Line	(M)
74 Tert-Butyl Benzene	10.00000	10.23014	1.93949	0.010	2.30141	30.00000	Line	
75 1,2,4-Trimethylbenzene	10.00000	10.19112	1.77166	0.010	1.91117	30.00000	Line	
76 1,3-Dichlorobenzene	10.00000	10.08056	1.27224	0.010	0.80558	30.00000	Line	
77 Sec- Butylbenzene	10.00000	10.46448	2.55661	0.010	4.64481	30.00000	Line	
\$ 78 1,4-dichlorobenzene-d4 (S)	0.48271	0.47798	0.47798	0.010	-0.98015	30.00000	Aver	(M)
79 Benzyl Chloride	10.00000	10.07656	1.40908	0.010	0.76558	30.00000	Line	
80 1,4-Dichlorobenzene	10.00000	10.05298	1.21529	0.010	0.52979	30.00000	Line	
81 p-Isopropyltoluene	1.78927	2.10200	2.10200	0.010	17.47797	30.00000	Aver	(M)
82 1,2,3-Trimethylbenzene	10.00000	9.95324	1.66191	0.010	-0.46756	30.00000	Line	
83 1,2-Dichlorobenzene	10.00000	10.06917	1.13376	0.010	0.69169	30.00000	Line	
84 N-Butylbenzene	10.00000	10.28364	1.82846	0.010	2.83637	30.00000	Line	
85 1,2,4-Trichlorobenzene	10.00000	10.73130	0.36632	0.010	7.31301	30.00000	Quad	
86 Naphthalene	10.00000	10.18149	0.83805	0.010	1.81494	30.00000	Quad	

Data File: \\192.168.10.12\chem\10air7.i\032416.b\08402.D
Report Date: 24-Mar-2016 13:32

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

QC Batch:	AIR/25476	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10341033001, 10341033002, 10341033003, 10341033004, 10341033005, 10341033006, 10341033007, 10341033008, 10341033009, 10341033010, 10341033011, 10341033012, 10341033013, 10341033014, 10341033017, 10341033018, 10341033019		

METHOD BLANK: 2212935

Matrix: Air

Associated Lab Samples: 10341033001, 10341033002, 10341033003, 10341033004, 10341033005, 10341033006, 10341033007, 10341033008, 10341033009, 10341033010, 10341033011, 10341033012, 10341033013, 10341033014, 10341033017, 10341033018, 10341033019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/18/16 18:51	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/18/16 18:51	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/18/16 18:51	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/18/16 18:51	
1,1-Dichloroethane	ug/m3	ND	0.82	03/18/16 18:51	
1,1-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
1,1-Difluoroethane	ug/m3	ND	1.4	03/18/16 18:51	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	03/24/16 11:00	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/18/16 18:51	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/18/16 18:51	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/18/16 18:51	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,2-Dichloroethane	ug/m3	ND	0.41	03/18/16 18:51	
1,2-Dichloropropane	ug/m3	ND	0.94	03/18/16 18:51	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/18/16 18:51	
1,3-Butadiene	ug/m3	ND	0.45	03/18/16 18:51	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/18/16 18:51	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/24/16 11:00	
2-Butanone (MEK)	ug/m3	ND	3.0	03/18/16 18:51	
2-Hexanone	ug/m3	ND	4.2	03/18/16 18:51	
2-Propanol	ug/m3	ND	2.5	03/24/16 11:00	
4-Ethyltoluene	ug/m3	ND	1.0	03/18/16 18:51	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/18/16 18:51	
Acetone	ug/m3	ND	2.4	03/18/16 18:51	
Allyl chloride	ug/m3	ND	1.6	03/18/16 18:51	
Benzene	ug/m3	ND	0.32	03/18/16 18:51	
Bromodichloromethane	ug/m3	ND	1.4	03/18/16 18:51	
Bromoform	ug/m3	ND	5.3	03/18/16 18:51	
Bromomethane	ug/m3	ND	0.79	03/18/16 18:51	
Carbon disulfide	ug/m3	ND	0.63	03/18/16 18:51	
Carbon tetrachloride	ug/m3	ND	0.64	03/18/16 18:51	
Chlorobenzene	ug/m3	ND	0.94	03/18/16 18:51	
Chlorodifluoromethane	ug/m3	ND	0.72	03/18/16 18:51	
Chloroethane	ug/m3	ND	0.54	03/18/16 18:51	
Chloroform	ug/m3	ND	0.50	03/18/16 18:51	
Chloromethane	ug/m3	ND	0.42	03/18/16 18:51	
Chloropentafluoroethane	ug/m3	ND	3.2	03/18/16 18:51	IC,L2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

METHOD BLANK: 2212935

Matrix: Air

Associated Lab Samples: 10341033001, 10341033002, 10341033003, 10341033004, 10341033005, 10341033006, 10341033007, 10341033008, 10341033009, 10341033010, 10341033011, 10341033012, 10341033013, 10341033014, 10341033017, 10341033018, 10341033019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/18/16 18:51	
Cyclohexane	ug/m3	ND	0.70	03/18/16 18:51	
Dibromochloromethane	ug/m3	ND	1.7	03/18/16 18:51	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/18/16 18:51	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/18/16 18:51	
Ethylbenzene	ug/m3	ND	0.88	03/18/16 18:51	
Freon 123	ug/m3	ND	3.2	03/18/16 18:51	SS
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	03/18/16 18:51	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/18/16 18:51	
m&p-Xylene	ug/m3	ND	1.8	03/18/16 18:51	
Methyl acetate	ug/m3	ND	1.5	03/18/16 18:51	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/18/16 18:51	
Methylcyclohexane	ug/m3	ND	0.82	03/18/16 18:51	
Methylene Chloride	ug/m3	ND	3.5	03/18/16 18:51	
n-Hexane	ug/m3	ND	0.72	03/18/16 18:51	
o-Xylene	ug/m3	ND	0.88	03/18/16 18:51	
Styrene	ug/m3	ND	0.87	03/18/16 18:51	
Tetrachloroethene	ug/m3	ND	0.69	03/18/16 18:51	
Toluene	ug/m3	ND	0.77	03/18/16 18:51	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/18/16 18:51	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/18/16 18:51	
Trichloroethene	ug/m3	ND	0.55	03/18/16 18:51	
Trichlorofluoromethane	ug/m3	ND	1.1	03/18/16 18:51	
Vinyl chloride	ug/m3	ND	0.26	03/18/16 18:51	

LABORATORY CONTROL SAMPLE: 2212936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	54.0	97	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	80.6	115	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	61.7	111	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	79.5	102	66-131	
1,1-Dichloroethane	ug/m3	41.2	39.8	97	62-139	
1,1-Dichloroethene	ug/m3	40.3	39.2	97	62-135	
1,1-Difluoroethane	ug/m3	5.5	6.5	118	50-150	
1,2,4-Trichlorobenzene	ug/m3	75.5	81.0	107	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	66.8	134	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	19.6	22.9	116	50-150	
1,2-Dibromoethane (EDB)	ug/m3	78.1	87.5	112	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	74.5	122	57-141	
1,2-Dichloroethane	ug/m3	41.2	41.0	100	61-144	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

LABORATORY CONTROL SAMPLE: 2212936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/m3	47	50.4	107	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	64.6	129	54-147	
1,3-Butadiene	ug/m3	22.5	22.2	99	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	88.6	145	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	82.6	135	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	45.8	125	58-144	
2-Butanone (MEK)	ug/m3	30	34.5	115	66-144	
2-Hexanone	ug/m3	41.7	56.1	135	63-147	
2-Propanol	ug/m3	125	129	103	54-146	
4-Ethyltoluene	ug/m3	50	64.8	130	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	50.4	121	58-150	
Acetone	ug/m3	24.2	21.2	88	46-140	
Allyl chloride	ug/m3	31.8	33.2	104	65-142	
Benzene	ug/m3	32.5	35.6	110	62-141	
Bromodichloromethane	ug/m3	68.2	74.9	110	58-149	
Bromoform	ug/m3	105	115	110	61-150	
Bromomethane	ug/m3	39.5	39.6	100	58-136	
Carbon disulfide	ug/m3	31.7	32.5	103	59-135	
Carbon tetrachloride	ug/m3	64	75.6	118	60-149	
Chlorobenzene	ug/m3	46.8	52.0	111	60-150	
Chlorodifluoromethane	ug/m3	36	33.8	94	70-130	
Chloroethane	ug/m3	26.8	29.2	109	61-136	
Chloroform	ug/m3	49.7	46.2	93	65-138	
Chloromethane	ug/m3	21	19.6	93	62-133	
Chloropentafluoroethane	ug/m3	12.8	ND	0	50-150	CL,IC,L2
cis-1,2-Dichloroethene	ug/m3	40.3	42.3	105	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	54.9	119	61-149	
Cyclohexane	ug/m3	35	39.4	112	64-134	
Dibromochloromethane	ug/m3	86.6	104	120	59-150	
Dichlorodifluoromethane	ug/m3	50.3	48.3	96	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	68.6	97	62-134	
Ethylbenzene	ug/m3	44.2	50.3	114	59-149	
Freon 123	ug/m3	12.7	12.4	98	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	165	152	42-150	L3,SS
Isopropylbenzene (Cumene)	ug/m3	50	58.5	117	65-150	
m&p-Xylene	ug/m3	44.2	49.5	112	59-146	
Methyl acetate	ug/m3	6.2	7.0	114	50-150	
Methyl-tert-butyl ether	ug/m3	36.7	37.9	103	64-135	
Methylcyclohexane	ug/m3	40.8	50.8	124	70-130	
Methylene Chloride	ug/m3	35.3	36.8	104	64-128	
n-Hexane	ug/m3	35.8	31.7	88	50-138	
o-Xylene	ug/m3	44.2	50.1	113	54-149	
Styrene	ug/m3	43.3	54.0	125	54-150	
Tetrachloroethene	ug/m3	69	71.2	103	60-142	
Toluene	ug/m3	38.3	42.4	111	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	41.0	102	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	59.9	130	59-145	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

LABORATORY CONTROL SAMPLE: 2212936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/m3	54.6	59.3	109	60-144	
Trichlorofluoromethane	ug/m3	57.1	52.4	92	59-134	
Vinyl chloride	ug/m3	26	25.2	97	63-135	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

QC Batch:	AIR/25477	Analysis Method:	TO-15
QC Batch Method:	TO-15	Analysis Description:	TO15 MSV AIR Low Level
Associated Lab Samples:	10341033020, 10341033021, 10341033022, 10341033023, 10341033024, 10341033025, 10341033026, 10341033027, 10341033028, 10341033029		

METHOD BLANK:	2212937	Matrix:	Air
Associated Lab Samples:	10341033020, 10341033021, 10341033022, 10341033023, 10341033024, 10341033025, 10341033026, 10341033027, 10341033028, 10341033029		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/19/16 15:41	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/19/16 15:41	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/19/16 15:41	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/19/16 15:41	
1,1-Dichloroethane	ug/m3	ND	0.82	03/19/16 15:41	
1,1-Dichloroethene	ug/m3	ND	0.81	03/19/16 15:41	
1,1-Difluoroethane	ug/m3	ND	1.4	03/19/16 15:41	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	03/23/16 13:16	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	03/19/16 15:41	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/19/16 15:41	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/19/16 15:41	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/19/16 15:41	
1,2-Dichloroethane	ug/m3	ND	0.41	03/19/16 15:41	
1,2-Dichloropropane	ug/m3	ND	0.94	03/19/16 15:41	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	03/19/16 15:41	
1,3-Butadiene	ug/m3	ND	0.45	03/19/16 15:41	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/19/16 15:41	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/19/16 15:41	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/19/16 15:41	
2-Butanone (MEK)	ug/m3	ND	3.0	03/19/16 15:41	
2-Hexanone	ug/m3	ND	4.2	03/19/16 15:41	
2-Propanol	ug/m3	ND	2.5	03/19/16 15:41	
4-Ethyltoluene	ug/m3	ND	2.5	03/19/16 15:41	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/19/16 15:41	
Acetone	ug/m3	ND	2.4	03/19/16 15:41	
Allyl chloride	ug/m3	ND	1.6	03/19/16 15:41	
Benzene	ug/m3	ND	0.32	03/19/16 15:41	
Bromodichloromethane	ug/m3	ND	1.4	03/19/16 15:41	
Bromoform	ug/m3	ND	5.3	03/19/16 15:41	
Bromomethane	ug/m3	ND	0.79	03/19/16 15:41	
Carbon disulfide	ug/m3	ND	0.63	03/19/16 15:41	
Carbon tetrachloride	ug/m3	ND	0.64	03/19/16 15:41	
Chlorobenzene	ug/m3	ND	0.94	03/19/16 15:41	
Chlorodifluoromethane	ug/m3	ND	0.72	03/19/16 15:41	
Chloroethane	ug/m3	ND	0.54	03/19/16 15:41	
Chloroform	ug/m3	ND	0.50	03/19/16 15:41	
Chloromethane	ug/m3	ND	0.42	03/19/16 15:41	
Chloropentafluoroethane	ug/m3	ND	3.2	03/19/16 15:41	CL,IC,L2
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/19/16 15:41	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/19/16 15:41	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

METHOD BLANK: 2212937

Matrix: Air

Associated Lab Samples: 10341033020, 10341033021, 10341033022, 10341033023, 10341033024, 10341033025, 10341033026, 10341033027, 10341033028, 10341033029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyclohexane	ug/m3	ND	0.70	03/19/16 15:41	
Dibromochloromethane	ug/m3	ND	1.7	03/19/16 15:41	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/19/16 15:41	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/19/16 15:41	
Ethylbenzene	ug/m3	ND	0.88	03/19/16 15:41	
Freon 123	ug/m3	ND	3.2	03/19/16 15:41	SS
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	03/19/16 15:41	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/19/16 15:41	
m&p-Xylene	ug/m3	ND	1.8	03/19/16 15:41	
Methyl acetate	ug/m3	ND	1.5	03/19/16 15:41	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/19/16 15:41	
Methylcyclohexane	ug/m3	ND	0.82	03/19/16 15:41	
Methylene Chloride	ug/m3	ND	3.5	03/19/16 15:41	
n-Hexane	ug/m3	ND	0.72	03/19/16 15:41	
o-Xylene	ug/m3	ND	0.88	03/19/16 15:41	
Styrene	ug/m3	ND	0.87	03/19/16 15:41	
Tetrachloroethene	ug/m3	ND	0.69	03/19/16 15:41	
Toluene	ug/m3	ND	0.77	03/19/16 15:41	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/19/16 15:41	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/19/16 15:41	
Trichloroethene	ug/m3	ND	0.55	03/19/16 15:41	
Trichlorofluoromethane	ug/m3	ND	1.1	03/19/16 15:41	
Vinyl chloride	ug/m3	ND	0.26	03/19/16 15:41	

LABORATORY CONTROL SAMPLE: 2212938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.7	56.1	97	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	74	70.7	96	49-150	
1,1,2-Trichloroethane	ug/m3	58.8	55.8	95	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.8	77.3	94	66-131	
1,1-Dichloroethane	ug/m3	43.2	38.5	89	62-139	
1,1-Dichloroethene	ug/m3	42.3	38.1	90	62-135	
1,1-Difluoroethane	ug/m3	5.5	6.7	122	50-150	
1,2,4-Trichlorobenzene	ug/m3	73.9	92.4	125	55-146	
1,2,4-Trimethylbenzene	ug/m3	51.5	44.3	86	57-143	
1,2-Dibromo-3-chloropropane	ug/m3	19.6	28.0	143	50-150	CH
1,2-Dibromoethane (EDB)	ug/m3	82.8	79.6	96	63-150	
1,2-Dichlorobenzene	ug/m3	62.9	57.8	92	57-141	
1,2-Dichloroethane	ug/m3	43.6	42.5	97	61-144	
1,2-Dichloropropane	ug/m3	50.2	46.6	93	63-144	
1,3,5-Trimethylbenzene	ug/m3	51.5	44.5	87	54-147	
1,3-Butadiene	ug/m3	23.2	20.6	89	61-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

LABORATORY CONTROL SAMPLE: 2212938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/m3	63.6	57.2	90	51-150	
1,4-Dichlorobenzene	ug/m3	61.7	55.8	90	57-143	
1,4-Dioxane (p-Dioxane)	ug/m3	38.5	39.2	102	58-144	
2-Butanone (MEK)	ug/m3	32.1	31.2	97	66-144	
2-Hexanone	ug/m3	45	47.6	106	63-147	
2-Propanol	ug/m3	25.7	24.8	96	54-146	
4-Ethyltoluene	ug/m3	49.5	46.1	93	56-150	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.7	45.6	104	58-150	
Acetone	ug/m3	24.9	23.8	96	46-140	
Allyl chloride	ug/m3	35	32.9	94	65-142	
Benzene	ug/m3	34.4	32.5	94	62-141	
Bromodichloromethane	ug/m3	71.5	70.0	98	58-149	
Bromoform	ug/m3	113	98.0	86	61-150	
Bromomethane	ug/m3	38.3	36.2	94	58-136	
Carbon disulfide	ug/m3	33.2	31.1	94	59-135	
Carbon tetrachloride	ug/m3	67.1	69.7	104	60-149	
Chlorobenzene	ug/m3	50.1	47.3	94	60-150	
Chlorodifluoromethane	ug/m3	37.4	31.7	85	70-130	
Chloroethane	ug/m3	26	26.0	100	61-136	
Chloroform	ug/m3	51.6	48.0	93	65-138	
Chloromethane	ug/m3	21	18.3	87	62-133	
Chloropentafluoroethane	ug/m3	12.8	ND	0	50-150	CL,IC,L2
cis-1,2-Dichloroethene	ug/m3	43.5	39.2	90	65-139	
cis-1,3-Dichloropropene	ug/m3	51.7	50.1	97	61-149	
Cyclohexane	ug/m3	36.7	34.9	95	64-134	
Dibromochloromethane	ug/m3	97	96.0	99	59-150	
Dichlorodifluoromethane	ug/m3	50.3	46.3	92	63-134	
Dichlorotetrafluoroethane	ug/m3	69.6	63.3	91	62-134	
Ethylbenzene	ug/m3	47.2	45.0	95	59-149	
Freon 123	ug/m3	12.7	9.6	76	50-150	SS
Hexachloro-1,3-butadiene	ug/m3	108	115	106	42-150	
Isopropylbenzene (Cumene)	ug/m3	51	53.3	105	65-150	
m&p-Xylene	ug/m3	47.7	45.8	96	59-146	
Methyl acetate	ug/m3	6.2	6.3	102	50-150	
Methyl-tert-butyl ether	ug/m3	38.5	37.0	96	64-135	
Methylcyclohexane	ug/m3	42.9	45.2	105	70-130	
Methylene Chloride	ug/m3	38.8	36.0	93	64-128	
n-Hexane	ug/m3	37.6	31.6	84	50-138	
o-Xylene	ug/m3	46.8	44.9	96	54-149	
Styrene	ug/m3	45.5	48.8	107	54-150	
Tetrachloroethene	ug/m3	72.4	66.8	92	60-142	
Toluene	ug/m3	41	39.0	95	61-138	
trans-1,2-Dichloroethene	ug/m3	41.1	40.9	100	67-137	
trans-1,3-Dichloropropene	ug/m3	51.7	53.4	103	59-145	
Trichloroethene	ug/m3	57.4	57.1	100	60-144	
Trichlorofluoromethane	ug/m3	58.2	50.0	86	59-134	
Vinyl chloride	ug/m3	26.5	25.0	94	63-135	

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

SAMPLE DUPLICATE: 2214033

Parameter	Units	10341033020 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,1-Difluoroethane	ug/m3	12.6	12.5	1	25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	2J		25	
1,2-Dibromo-3-chloropropane	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	3.2J		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	123	115	7	25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	36.5	32.4	12	25	
Allyl chloride	ug/m3	ND	ND		25	
Benzene	ug/m3	1.0	1.1	5	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	2.1	1.9	7	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chlorodifluoromethane	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	31.1	30.9	1	25	
Chloromethane	ug/m3	1.4	1.3	5	25	
Chloropentafluoroethane	ug/m3	ND	ND		25	CL,IC,L2
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	2.4		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Freon 123	ug/m3	ND	ND		25	SS
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

SAMPLE DUPLICATE: 2214033

Parameter	Units	10341033020 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	1.5J		25	
Methyl acetate	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylcyclohexane	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	2.2J		25	
n-Hexane	ug/m3	ND	1.2J		25	
o-Xylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	
Toluene	ug/m3	2.4	2.3	3	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	1.1J		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

QC Batch: AIR/25521

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10341033015, 10341033016

METHOD BLANK: 2215767

Matrix: Air

Associated Lab Samples: 10341033015, 10341033016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/23/16 09:18	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/23/16 09:18	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/23/16 09:18	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/23/16 09:18	
1,1-Dichloroethane	ug/m3	ND	0.82	03/23/16 09:18	
1,1-Dichloroethene	ug/m3	ND	0.81	03/23/16 09:18	
1,1-Difluoroethane	ug/m3	ND	1.4	03/22/16 10:45	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	03/23/16 09:18	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/23/16 09:18	
1,2-Dibromo-3-chloropropane	ug/m3	ND	4.9	03/22/16 10:45	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/23/16 09:18	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/23/16 09:18	
1,2-Dichloroethane	ug/m3	ND	0.41	03/23/16 09:18	
1,2-Dichloropropane	ug/m3	ND	0.94	03/23/16 09:18	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/23/16 09:18	
1,3-Butadiene	ug/m3	ND	0.45	03/23/16 09:18	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/23/16 09:18	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/23/16 09:18	
1,4-Dioxane (p-Dioxane)	ug/m3	ND	3.7	03/23/16 09:18	
2-Butanone (MEK)	ug/m3	ND	3.0	03/23/16 09:18	
2-Hexanone	ug/m3	ND	4.2	03/23/16 09:18	
2-Propanol	ug/m3	ND	2.5	03/23/16 09:18	
4-Ethyltoluene	ug/m3	ND	1.0	03/23/16 09:18	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	03/23/16 09:18	
Acetone	ug/m3	ND	2.4	03/23/16 09:18	
Allyl chloride	ug/m3	ND	1.6	03/23/16 09:18	
Benzene	ug/m3	ND	0.65	03/23/16 09:18	
Bromodichloromethane	ug/m3	ND	1.4	03/23/16 09:18	
Bromoform	ug/m3	ND	2.1	03/23/16 09:18	
Bromomethane	ug/m3	ND	0.79	03/23/16 09:18	
Carbon disulfide	ug/m3	ND	0.63	03/23/16 09:18	
Carbon tetrachloride	ug/m3	ND	0.64	03/23/16 09:18	
Chlorobenzene	ug/m3	ND	0.94	03/23/16 09:18	
Chlorodifluoromethane	ug/m3	ND	0.72	03/23/16 09:18	
Chloroethane	ug/m3	ND	0.54	03/23/16 09:18	
Chloroform	ug/m3	ND	0.99	03/23/16 09:18	
Chloromethane	ug/m3	ND	0.42	03/23/16 09:18	
Chloropentafluoroethane	ug/m3	ND	3.2	03/22/16 10:45	CL,IC,L2
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/23/16 09:18	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/23/16 09:18	
Cyclohexane	ug/m3	ND	0.70	03/23/16 09:18	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

METHOD BLANK: 2215767

Matrix: Air

Associated Lab Samples: 10341033015, 10341033016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/m3	ND	1.7	03/23/16 09:18	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/23/16 09:18	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/23/16 09:18	
Ethylbenzene	ug/m3	ND	0.88	03/23/16 09:18	
Freon 123	ug/m3	ND	3.2	03/22/16 10:45	CL,L2,SS
Hexachloro-1,3-butadiene	ug/m3	ND	10.8	03/23/16 09:18	
Isopropylbenzene (Cumene)	ug/m3	ND	2.5	03/23/16 09:18	
m&p-Xylene	ug/m3	ND	1.8	03/23/16 09:18	
Methyl acetate	ug/m3	ND	1.5	03/22/16 10:45	
Methyl-tert-butyl ether	ug/m3	ND	3.7	03/23/16 09:18	
Methylcyclohexane	ug/m3	ND	0.82	03/23/16 09:18	
Methylene Chloride	ug/m3	ND	3.5	03/23/16 09:18	
n-Hexane	ug/m3	ND	0.72	03/23/16 09:18	
o-Xylene	ug/m3	ND	0.88	03/23/16 09:18	
Styrene	ug/m3	ND	0.87	03/23/16 09:18	
Tetrachloroethene	ug/m3	ND	0.69	03/23/16 09:18	
Toluene	ug/m3	ND	0.77	03/23/16 09:18	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/23/16 09:18	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/23/16 09:18	
Trichloroethene	ug/m3	ND	0.55	03/23/16 09:18	
Trichlorofluoromethane	ug/m3	ND	1.1	03/23/16 09:18	
Vinyl chloride	ug/m3	ND	0.26	03/23/16 09:18	

LABORATORY CONTROL SAMPLE: 2215768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	60.1	108	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	85.7	123	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	59.8	108	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	82.6	106	66-131	
1,1-Dichloroethane	ug/m3	41.2	43.5	106	62-139	
1,1-Dichloroethene	ug/m3	40.3	43.1	107	62-135	
1,1-Difluoroethane	ug/m3	5.5	6.2	113	50-150	
1,2,4-Trichlorobenzene	ug/m3	75.5	74.8	99	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	66.1	132	57-143	CH
1,2-Dibromo-3-chloropropane	ug/m3	19.6	32.4	165	50-150	CH,L3
1,2-Dibromoethane (EDB)	ug/m3	78.1	92.3	118	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	82.3	135	57-141	CH
1,2-Dichloroethane	ug/m3	41.2	42.7	104	61-144	
1,2-Dichloropropane	ug/m3	47	50.2	107	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	64.6	129	54-147	
1,3-Butadiene	ug/m3	22.5	23.2	103	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	81.4	133	51-150	CH
1,4-Dichlorobenzene	ug/m3	61.2	78.0	127	57-143	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 117-0507644 LMC Great Neck-rev

Pace Project No.: 10341033

LABORATORY CONTROL SAMPLE: 2215768

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/m3	36.6	41.6	114	58-144	
2-Butanone (MEK)	ug/m3	150	163	108	66-144	
2-Hexanone	ug/m3	208	219	105	63-147	
2-Propanol	ug/m3	125	130	104	54-146	
4-Ethyltoluene	ug/m3	50	67.5	135	56-150	CH
4-Methyl-2-pentanone (MIBK)	ug/m3	208	198	95	58-150	
Acetone	ug/m3	121	115	95	46-140	
Allyl chloride	ug/m3	79.6	91.3	115	65-142	
Benzene	ug/m3	32.5	34.7	107	62-141	
Bromodichloromethane	ug/m3	68.2	76.2	112	58-149	
Bromoform	ug/m3	105	149	142	61-150	CH
Bromomethane	ug/m3	39.5	41.1	104	58-136	
Carbon disulfide	ug/m3	31.7	34.7	110	59-135	
Carbon tetrachloride	ug/m3	64	71.7	112	60-149	
Chlorobenzene	ug/m3	46.8	54.1	115	60-150	
Chlorodifluoromethane	ug/m3	36	35.1	98	70-130	
Chloroethane	ug/m3	26.8	30.1	112	61-136	
Chloroform	ug/m3	49.7	52.6	106	65-138	
Chloromethane	ug/m3	21	21.3	101	62-133	
Chloropentafluoroethane	ug/m3	12.8	3.7	29	50-150	CL,IC,L2,SS
cis-1,2-Dichloroethene	ug/m3	40.3	43.1	107	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	51.7	112	61-149	
Cyclohexane	ug/m3	35	38.1	109	64-134	
Dibromochloromethane	ug/m3	86.6	108	124	59-150	
Dichlorodifluoromethane	ug/m3	50.3	51.4	102	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	71.7	101	62-134	
Ethylbenzene	ug/m3	44.2	54.7	124	59-149	
Freon 123	ug/m3	12.7	4.6	36	50-150	CL,L2,SS
Hexachloro-1,3-butadiene	ug/m3	108	111	102	42-150	
Isopropylbenzene (Cumene)	ug/m3	50	60.6	121	65-150	
m&p-Xylene	ug/m3	88.3	108	122	59-146	
Methyl acetate	ug/m3	6.2	5.2	85	50-150	
Methyl-tert-butyl ether	ug/m3	183	199	109	64-135	
Methylcyclohexane	ug/m3	40.8	47.8	117	70-130	
Methylene Chloride	ug/m3	177	184	104	64-128	
n-Hexane	ug/m3	35.8	37.2	104	50-138	
o-Xylene	ug/m3	44.2	54.5	123	54-149	
Styrene	ug/m3	43.3	55.6	128	54-150	
Tetrachloroethene	ug/m3	69	78.8	114	60-142	
Toluene	ug/m3	38.3	41.9	109	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	45.3	112	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	56.1	122	59-145	
Trichloroethene	ug/m3	54.6	59.1	108	60-144	
Trichlorofluoromethane	ug/m3	57.1	59.4	104	59-134	
Vinyl chloride	ug/m3	26	25.9	99	63-135	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 117-0507644 LMC Great Neck-rev
Pace Project No.: 10341033

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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**APPENDIX G— LA FITNESS PAIRED INDOOR AIR AND SUB-SLAB
SAMPLE COLLECTION LOGS**

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: **Tetra Tech**
Address: **295 RT22E, Suite 104E**
Warehouse Station, ND 58869
Email To: **Keith.McDonnell@tetratech.com**
Phone: **701.331.2363** Fax: **701.331.1704**
Requested Due Date/AT: **3/16/16**

Section B Required Project Information:

Report To: **Keith McDonnell**
Copy To: _____
Purchase Order No.: _____
Project Name: **PMC Great Neck**
Project Number: **110502644**

Section C Invoice Information:

Attention: _____
Company Name: _____
Address: _____
Pace Quote Reference: _____
Pace Project Manager/Sales Rep: _____
Pace Profile #: _____

Page: **21154** of **3**

Program: _____
UST Superfund Emissions Clean Air Act
Voluntary Clean Up Dry Clean RCRA Other
Location of Sampling by State: **NY**
Reporting Units: **ug/m³**
Report Level: **II** **III** **IV** Other: _____

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE TBA 1 Liter Summa Can 6 Liter Summa Can Low Volume Puff High Volume Puff Other	MEDIA CODE P/D Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:	Pace Lab ID
				COMPOSITE START DATE	TIME	DATE	TIME						
1	SC1# - 20160308		6LC	3/8/16	09:40	3/8/16	15:40	-29	-9	1243	0048	PM10	
2	SS-C20# - 20160308		6LC	3/8/16	10:44	3/8/16	16:30	-30	-8	2188	0016	3C: Fixed Gas (%)	
3	SS-D7# - 20160308		6LC	3/8/16	09:53	3/8/16	15:52	-29	-6	1666	0102	TO-3	
4	SS-E10# - 20160308		6LC	3/8/16	10:06	3/8/16	16:11	-30	-8	0853	0326	TO-3M (Methane)	
5	SS-F5# - 20160308		6LC	3/8/16	10:32	3/8/16	16:39	-30	-8	0632	1041	TO-4 (PCBs)	
6	SS-HZ1# - 20160308		6LC	3/8/16	10:00	3/8/16	15:36	-30	-8	2657	0382	TO-13 (PAH)	
7	SS-PR01 - 20160308		6LC	3/8/16	10:57	3/8/16	17:16	-30	-8	0052	1074	TO-14	
8	SS-PR02 - 20160308		6LC	3/8/16	10:25	3/8/16	15:54	-28	-8	1622	0254	TO-15	
9	SS-PR03 - 20160308		6LC	3/8/16	10:37	3/8/16	16:50	-30	-8	2391	0294	TO15 Short List*	
10	SS-PR04 - 20160308		6LC	3/8/16	10:53	3/8/16	16:18	-30	-8	0504	0392		
11	SS-PR05 - 20160308		6LC	3/8/16	10:44	3/8/16	16:45	-30	-6	2024	0434		
12	SS-12 - 20160308		6LC	3/8/16	11:19	3/8/16	17:08	-29	-8	0167	1010		

Comments:

Mod. of COC List

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
THC 71	3/16	1345	THC 71	3/16	1345	Temp in °C	Received on Ice
						Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: **Roy Wainwright**
SIGNATURE OF SAMPLER: **Roy Wainwright**
DATE Signed (MM/DD/YY): **3/16/16**

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: Tetra Tech
Address: 295 Ratzel, Suite 104E
City/State/Zip: Whitehouse Station, NJ 08889
Email To: keith.mcdonald@PaceTech.com
Phone: 908-331-2303 Fax: 908-531-4709
Requested Due Date/AT: 20160314/6

Section B Required Project Information:

Report To: Keith McDonald
Copy To: _____
Purchase Order No.: _____
Project Name: 112-0507644
Project Number: _____
Pace Profile #: _____

Section C Invoice Information:

Attention: _____
Company Name: _____
Address: _____
Pace Quote Reference: _____
Pace Project Manager/Sales Rep. _____

24166

Page: 2 of 3

Program: _____
UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐
Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other ☐
Location of Sampling by State: NY
Report Units: ug/m³ mg/m³ PPBV PPMV Other
Report Level: I. _____ II. _____ III. _____ IV. _____

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tetra Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Summa Can Number	Flow Control Number	Method:	Pace Lab ID
					COMPOSITE START DATE	COMPOSITE - TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)				
1	IA-C1-20160308	4LC	3/8/16	0906	3/8/16	1540	-28	-8	1194	00114	PM10	
2	IA-C2-20160308	6LC	3/8/16	0855	3/8/16	1458	-30	-8	1251	00414	3C: Fixed Gas (%)	
3	IA-D7-20160308	6LC	3/8/16	0835	3/8/16	1437	-30	-8	1071	00226	TO-3	
4	IA-E6-20160308	6LC	3/8/16	0840	3/8/16	1416	-26	-6	2056	00002	TO-3M (Methane)	
5	IA-E16-20160308	6LC	3/8/16	0846	3/8/16	1320	-30	-6	0798	0280	TO-4 (PCBs)	
6	IA-G5-20160308	6LC	3/8/16	0837	3/8/16	1431	-30	-8	1033	10226	TO-13 (PAH)	
7	IA-H21-20160308	6LC	3/8/16	0858	3/8/16	1504	-30	-8	2304	00317	TO-14	
8	IA-PR0P1-20160308	6LC	3/8/16	0843	3/8/16	1445	-30	-8	1077	00092	TO-15	
9	IA-PR0P2-20160308	6LC	3/8/16	0853	3/8/16	1503	-29	-8	2150	00112	TO15 Short List*	
10	IA-PR0P3-20160308	6LC	3/8/16	0851	3/8/16	1455	-28	-6	1227	00400		
11	IA-PR0P4-20160308	6LC	3/8/16	0848	3/8/16	1421	-30	-5	2088	00010		
12	IA-13-20160308	6LC	3/8/16	11:34	3/8/16	17:22	-30	-7	21129	2290		

Comments: Modified COC List

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

Temp in °C	Y/N	Y/N	Y/N	Y/N
Received on Ice	Y/N	Y/N	Y/N	Y/N
Custody Sealed Cooler	Y/N	Y/N	Y/N	Y/N
Samples Intact	Y/N	Y/N	Y/N	Y/N

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

24161

Page: 3 of 3

Method:

PM10
3C- Fixed Gas (%)
TO-3
TO-3M (Methane)
TO-4 (PCBs)
TO-13 (PAH)
TO-14
TO-15
TO15 Short List

Pace Lab ID:

Comments:

A Modified COC list

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

Key Wagner Key Wagner

DATE Signed: (MM / DD / YY)

10

Temp in °C	
Received on	
Ice	
Custody	
Sealed Cooler	
Samples Intact	

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
SS-C1	1243	0088	3/8/16	0940	-29	74.0	30.00	1540	-9	75.5	30.00
SS-C20	2188	0016	3-8-16	1044	-30	74.9	30.00	1630	-8	74.1	30.00
SS-D7	1666	0102	3-8-16	0953	-29	73.6	30.00	1552	-6	77.0	30.00
SS-E10	853	0326	3-8-16	1006	-30	74.2	30.00	1611	-8	77.9	30.00
SS-E16	0632	1091	3-8-16	1032	-30	73.9	30.00	1634	-8	79.1	30.00
SS-G5	2657	0382	3-8-16	1000	-30	73.2	30.00	1536	-8	76.9	30.00
SS-H21	052	1074	3-8-16	1057	-30	75.0	30.00	1716	-8	74.2	30.00
SS-PROP1	1622	0254	3-8-16	1023 1037	-28 -30	74.2 74.2	30.00 30.00	1554	-8	75.1	30.00
SS-PROP2	2391	0294	3-8-16	1051 1037	-28 -30	73.9	30.00	1650	-8	79.3	30.00
SS-PROP3	504	0392	3-8-16	1037	-30	73.4	30.000	1618	-8	79.5	30.00
SS-PROP4	2024	0434	3-8-16	1014	-30	74.2	30.00	1645	-6	77.1	30.00
IA-C1	1199	0114	3-8-16	0854 0855	-28	75.1	30.0	1549	-8	75.2	30.00
IA-C20	1251	0414	3-8-16	0855	-30	74.9	30.00	1458	-8	77.6	30.01
IA-D7	1071	0026	3-8-16	0835	-30	73.2	30.00	1437	-8	78.3	30.00
IA-E10	2038	0002	3-8-16	0840	-26	74.9	30.00	1416	-6	79.4	30.00
IA-E16	798	0280	3-8-16	0846	-30	73.9	30.00	1320	-6	72.4	30.01
IA-G5	1033	1020	3-8-16	0837	-30	73.2	30.00	1431	-8	77.1	30.00
IA-H21	2304	0317	3/8/16	0858	-30	74.9	30.00	1504	-8	76.0	30.00

Sample ID	Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (in Hg)	Start Temperature	Start Pressure	End Time	Final Vacuum (in Hg)	End Temperature	End Pressure
IA-PROP1	1077	0092	3/8/16	0843	-30	74.2	30.00	1445	-8	78.4	30.00
IA-PROP2	2150	0012	3/8/16	0853	-29	74.3	30.00	1503	-8	76.9	30.00
IA-PROP3	1227	0900	3/8/16	0851	-28	73.9	30.00	1455	-6	78.3	30.01
IA-PROP4	2088	0010	3/8/16	0848	-30	74.2	30.00	1421	-5	80.0	30.00
SS-C1_20160308DUP	2331	1011	3/8/16	0946	-29	74.0	30.00	1540	-8	75.5	30.00
SS-E10_20160308DUP	2343	1059	3/8/16	1006	-30	73.3	30.00	1611	-8	77.4	30.00
IA-Prop1_20160308DUP	2335	0276	3/8/16	0843	-30	74.2	30.00	1445	-8	78.4	30.00
IA-C20_20160308DUP	2749	0371	3/8/16	0855	-30	74.2	30.00	1458	-7	77.6	30.00
AA_20160308	2664	0062	3/8/16	0937	-30	56.7	30.00	1528	-8	61.1	30.00

SS-12 0127 1010 3/8/16 1119 -29 78.5 30.00 1708 -8 75.9 30.00

IA-13 2129 02246 3/8/16 1134 -30 78.4 30.00 1722 -7 78.3 30.00

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

SS-Prop-1
Box 5

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-Prop-1-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1622</u>	<u>0254</u>	<u>3/8/16</u>	<u>1025</u>	<u>-28</u>	<u>3/8/16</u>	<u>1554</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1025</u>	<u>2.0</u>	<u>74.2</u>	<u>30.00</u>
Sampling End	<u>1554</u>	<u>2.0</u>	<u>75.1</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Purge Prop I - 10:17, 10:18:30
12920 - 19

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

SS - Prop - L
Box 2

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) IPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-Prop-2-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument:

Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2391</u>	<u>0294</u>	<u>3/8/16</u>	<u>1051</u>	<u>-28</u>	<u>3/8/16</u>	<u>1650</u>	<u>-8</u>
		<u>3/8/16</u>					

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1051</u>	<u>2.0</u>	<u>79.4</u>	<u>30.00</u>
		<u>2.0</u>		
Sampling End	<u>1650</u>	<u>2.0</u>	<u>79.3</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Purge 10:46 - 10:47:30 1.5 minutes

13:03 @ -21

1636 @ -9

Located in SALES AREA/open air ~~submersed~~ cubicles

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

SS-Prop-3
Box 2

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-Prop-3

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>504</u>	<u>0392</u>	<u>3/8/16</u>	<u>1037</u>	<u>-30</u>	<u>3/8/16</u>	<u>1618</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / Kestrel

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1037</u>	<u>2.0</u>	<u>73.4</u>	<u>30.00</u>
	<u>1254</u>	<u>2.0</u>	<u>76.2</u>	<u>30.03</u>
Sampling End	<u>1618</u>	<u>2.0</u>	<u>79.5</u>	<u>30.00</u>

OBSERVATIONS/NOTES

purge 1.5 minutes prior to connecting
1034 - 1035:30

OUTSIDE air Pool AREA in gym floor Couch Machines

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

SS-Prop-4
Box 4

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-Prop-4-20160303

Sampler Name: R. Wagner

LEAK CHECK (circle) **YES** **NO**

He Instrument: _____ **Units:** **%**

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2024</u>	<u>0434</u>	<u>3/8/16</u>	<u>10:14</u>	<u>-30</u>	<u>3/8/16</u>	<u>1645</u>	<u>-6</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>10:14</u>	<u>2.0</u>	<u>74.2</u>	<u>30.00</u>
Sampling End	<u>1645</u>	<u>2.0</u>	<u>77.1</u>	<u>30.00</u>

OBSERVATIONS/NOTES

1008 - pump 1.5 minute purge -
12:400-24

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

(Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-12-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>127</u>	<u>1010</u>	<u>3/8/16</u>	<u>11:19</u>	<u>-29</u>	<u>3/8/16</u>	<u>1708</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / Kestel 4500

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1119</u>	<u>2.0</u>	<u>78.5</u>	<u>30.00</u>
	<u>1427</u>	<u>2.0</u>	<u>79.5</u>	<u>30.00</u>
Sampling End	<u>1708</u>	<u>2.0</u>	<u>78.9</u>	<u>30.00</u>

OBSERVATIONS/NOTES

USED ~~old~~ spare Air canister for crawlspace sample -
 hose placed into space thru hole in grate - 2-3' into area -
 soaked edges best we can - dirt on floor type difficult to adhere
 to surface -
1427 @ -19

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) LA Fitness iPark LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested ~~Sub-Slab~~ Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: AA-2016 0308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____

Units: _____ %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2664</u>	<u>0062</u>	<u>3/8/16</u>	<u>07:37</u>	<u>-30</u>	<u>3/8/16</u>	<u>1528</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0937</u>	<u>0.8</u>	<u>56.7</u>	<u>30.00</u>
	<u>1318</u>	<u>1.0</u>	<u>60.8</u>	<u>30.01</u>
Sampling End	<u>1528</u>	<u>1.0</u>	<u>61.1</u>	<u>30.00</u>

OBSERVATIONS/NOTES

1318Q-17

Bot 8

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-C1-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: MDG-2002 Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
08:45 8:45	0	602	YES / NO	<u>> 1.0%</u>	YES / <u>NO</u>
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1243</u>	<u>0088</u>	<u>3-8-16</u>	<u>0940</u>	<u>-29</u>	<u>3/8/16</u>	<u>1540</u>	<u>-9</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / Kestrel

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	08:45 08:40	2.2 2.0	<u>74.0</u>	<u>30.00</u>
	<u>12:10</u>		<u>73.9</u>	<u>30.03</u>
Sampling End	<u>1540</u>	<u>2.0</u>	<u>75.5</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Pump 1.5 minutes @ 08:20

Lost paperwork & phone - took 40 min to locate

Box 8

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-C1-20160308D4P

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2331</u>	<u>1011</u>	<u>0940</u>	<u>0940</u>	<u>-29</u>	<u>3/8/16</u>	<u>1540</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): P.O. / Kestrel

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0940</u>	<u>2.0</u>	<u>74.0</u>	<u>30.00</u>
	<u>12:15</u>	<u>2.2</u>	<u>73.8</u>	<u>30.03</u>
Sampling End	<u>1540</u>	<u>2.1</u>	<u>75.5</u>	<u>30.00</u>

OBSERVATIONS/NOTES

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Box 7

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-G5-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2657</u>	<u>0382</u>	<u>3/8/16</u>	<u>1000</u>	<u>-30</u>	<u>3/8/16</u>	<u>1536</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1000</u>	<u>200</u>	<u>73.2</u>	<u>30.00</u>
Sampling End	<u>1536</u>	<u>20</u>	<u>76.9</u>	<u>30.00</u>

OBSERVATIONS/NOTES

0955 purge 1.5 minutes @ C-5

Box 4

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-E16-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0632</u>	<u>1091</u>	<u>3/8/16</u>	<u>1032</u>	<u>-30</u>	<u>3/8/16</u>	<u>1639</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1032</u>	<u>2.0</u>	<u>73.4</u>	<u>30.00</u>
	<u>1248</u>	<u>2.1</u>	<u>76.1</u>	<u>30.01</u>
Sampling End	<u>1639</u>	<u>2.0</u>	<u>79.1</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Purge @ 1027 - 10:28:30

1248 @ -25

located by Personal trainer section, middle of Gym

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Box 3

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-C20-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2188</u>	<u>0016</u>	<u>3/8/16</u>	<u>1044</u>	<u>-30</u>	<u>3/8/16</u>	<u>1630</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1044</u>	<u>2.0</u>	<u>79.9</u>	<u>30.00</u>
	<u>1258</u>	<u>2.0</u>	<u>75.9</u>	<u>30.01</u>
Sampling End	<u>1630</u>	<u>2.0</u>	<u>79.1</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Purge prior to sample.

1041 - 1042:30

1258@ - 22

Rust/corrosive color inside manhole, near pocket ball courts

Box 7

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-D7-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1666</u>	<u>0102</u>	<u>03/8/16</u>	<u>0953</u>	<u>-29</u>	<u>3/16/16</u>	<u>1552</u>	<u>-6</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID, Keefe

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0953</u>	<u>2.0</u>	<u>73.6</u>	<u>30.00</u>
Sampling End	<u>1552</u>	<u>2.0</u>	<u>72.0</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Purge for 1.5 min

Inside Label SS-1668

Box 6

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-E10-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>853</u>	<u>0326</u>	<u>2/8/16</u>	<u>1006</u>	<u>-29</u>	<u>3/8/16</u>	<u>1611</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1006</u>	<u>2.0</u>	<u>74.2</u>	<u>30.00</u>
Sampling End	<u>1611</u>	<u>2.0</u>	<u>77.9</u>	<u>30.00</u>

OBSERVATIONS/NOTES

0958 Parged 1.5 min
0958

by Machines leg work at

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Box 6

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-E10-20160308Dup

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2343</u>	<u>1059</u>	<u>3/8/16</u>	<u>1006</u>	<u>-30</u>	<u>3/8/16</u>	<u>1611</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / meter

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1006</u>	<u>2.0</u>	<u>73.3</u>	<u>30.00</u>
Sampling End	<u>1611</u>	<u>2.0</u>	<u>77.9</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Purge for 1.5 10:04 end
1230 @ -24
marked as SS F11

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

IA-Prop-1
Box 5

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: _____

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-Prop-1 - 20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1077</u>	<u>0092</u>	<u>5/8/16</u>	<u>08:43</u>	<u>-30</u>	<u>7/8/16</u>	<u>1445</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / Keister

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0843</u>	<u>2.0</u>	<u>74.2</u>	<u>30.00</u>
	<u>1242</u>	<u>2.2</u>	<u>75.9</u>	<u>30.02</u>
Sampling End	<u>1445</u>	<u>2.0</u>	<u>78.1</u>	<u>30.00</u>

OBSERVATIONS/NOTES

1242 @ -16

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

IA-Prop-1 Dup
Box 5

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-Prop-1 Dup-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2335</u>	<u>0276</u>	<u>3/8/16</u>	<u>08:43</u>	<u>-30</u>	<u>3/8/16</u>	<u>1445</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / Keister

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>08:43</u>	<u>2.0</u>	<u>74.2</u>	<u>30.00</u>
	<u>12:42</u>	<u>2.2</u>	<u>75.9</u>	<u>30.02</u>
Sampling End	<u>1445</u>	<u>2.1</u>	<u>78.9</u>	<u>30.00</u>

OBSERVATIONS/NOTES

1242 @ -16

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

IA-Prop-2
Box 2

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-Prop-2

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____

Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2150</u>	<u>0012</u>	<u>3/8/16</u>	<u>08:53</u>	<u>-29</u>	<u>3/8/16</u>	<u>1503</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>08:53</u>	<u>2.0</u>	<u>74.3</u>	<u>30.00</u>
	<u>1300</u>	<u>2.0</u>	<u>76.0</u>	<u>30.02</u>
Sampling End	<u>1503</u>	<u>2.0</u>	<u>76.9</u>	<u>30.00</u>

OBSERVATIONS/NOTES

13:03 @ -15

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

IA - Prop-3
Box 2

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-PROP-3

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1227</u>	<u>0400</u>	<u>3/8/16</u>	<u>08:51</u>	<u>-28</u>	<u>3/8/16</u>	<u>1455</u>	<u>-6</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0851</u>	<u>2.0</u>	<u>73.4</u>	<u>30.00</u>
	<u>1253</u>	<u>2.1</u>	<u>76.2</u>	<u>30.01</u>
			<u>78.3</u>	
Sampling End	<u>1455</u>	<u>2.0</u>	<u>78.0</u>	<u>30.01</u>

OBSERVATIONS/NOTES

1253 @ -14

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

LA Prop-4
Box 4

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: LA Prop-4 20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>0010 2208</u>	<u>0010</u>	<u>3/8/16</u>	<u>08:48</u>	<u>-30</u>	<u>3/8/16</u>	<u>1421</u>	<u>-5</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>08:48</u>	<u>2.0</u>	<u>74.2</u>	<u>30.00</u>
	<u>12:37</u>	<u>2.3</u>	<u>75.4</u>	<u>30.03</u>
Sampling End	<u>1421</u>	<u>2.0</u>	<u>80.0</u>	<u>30.00</u>

OBSERVATIONS/NOTES

1240 @ -15

Box 8

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: LA-C1-2016 0308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1199</u>	<u>0114</u>	<u>3/8/16</u>	<u>0908</u>	<u>-28</u>	<u>3/8/16</u>	<u>1540</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): Kestrel / PID

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>09:10</u>	<u>2.1</u>	<u>75.1</u>	<u>30.03</u>
	<u>12:10</u>	<u>2.2</u>	<u>74.5</u>	<u>30.03</u>
Sampling End	<u>1540</u>	<u>2.1</u>	<u>75.2</u>	<u>30.00</u>

OBSERVATIONS/NOTES

12:10 @ -20
1422 @ -10

Box 6

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-E10-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2038</u>	<u>0002</u>	<u>3/8/16</u>	<u>08:40</u>	<u>-26</u>	<u>3/8/16</u>	<u>1416</u>	<u>-26</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / Kestrel

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>08:40</u>	<u>2.0</u>	<u>74.9</u>	<u>30.00</u>
	<u>12:30</u>	<u>2.0</u>	<u>75.6</u>	<u>30.03</u>
Sampling End	<u>1416</u>	<u>2.0</u>	<u>79.4</u>	<u>30.00</u>

OBSERVATIONS/NOTES

1230E-13
1416E-006 shut off canister

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Box 3

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-C20-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____

Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1251</u>	<u>0414</u>	<u>3/8/16</u>	<u>08:55</u>	<u>30</u>	<u>3/8/16</u>	<u>1458</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0855</u>	<u>2.0</u>	<u>74.9</u>	<u>30.01</u>
	<u>1258</u>	<u>2.0</u>	<u>75.9</u>	<u>30.01</u>
Sampling End	<u>1458</u>	<u>2.0</u>	<u>72.6</u>	<u>30.01</u>

OBSERVATIONS/NOTES

12580 - 1b

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

B-3

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-C20-20160308DUP

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2749</u>	<u>0371</u>	<u>3/8/16</u>	<u>08:55</u>	<u>-30</u>	<u>3/8/16</u>	<u>1458</u>	<u>27</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0855</u>	<u>2.0</u>	<u>74.2</u>	<u>30.00</u>
	<u>1258</u>	<u>2.1</u>	<u>75.9</u>	<u>30.00</u>
Sampling End	<u>1458</u>	<u>2.0</u>	<u>77.6</u>	<u>30.00</u>

OBSERVATIONS/NOTES

1258 @ -16

Borl

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-H21-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2304</u>	<u>0317</u>	<u>3-8-16</u>	<u>8:58</u>	<u>-30</u>	<u>3/8/16</u>	<u>1504</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0858</u>	<u>2.0</u>	<u>74.9</u>	<u>30.00</u>
	<u>1307</u>	<u>2.8</u>	<u>75.8</u>	<u>30.02</u>
Sampling End	<u>1504</u>	<u>1.7</u>	<u>76.0</u>	<u>30.00</u>

OBSERVATIONS/NOTES

13:07E-15

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Box 7

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) _____ (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-E16-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: _____ Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>798</u>	<u>0280</u>	<u>3/8/16</u>	<u>08:46</u>	<u>-30</u>	<u>3/8/16</u>	<u>1320</u>	<u>-6</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): _____

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>0846</u>	<u>2.0</u>	<u>73.4</u>	<u>30.00</u>
	<u>1248</u>	<u>2.1</u>	<u>76.0</u>	<u>30.02</u>
Sampling End	<u>1320</u>	<u>2.0</u>	<u>72.9</u>	<u>30.01</u>

OBSERVATIONS/NOTES

1248 @ -17

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Box 1

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: SS-H21-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>052</u>	<u>1074</u>	<u>3/8/16</u>	<u>1057</u>	<u>-30</u>	<u>3/8/16</u>	<u>1716</u>	<u>-28.8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1057</u>	<u>2.0</u>	<u>75.0</u>	<u>30.00</u>
Sampling End	<u>1716</u>	<u>2.0</u>	<u>74.2</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Purge 1.5 minutes prior to sampling
1053 - 10:54:30
1630 @ -11

located by front entrance near 1st desk, juice bar across the floor -

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

(Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: JA-13-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>2129</u>	<u>02290</u>	<u>3/8/16</u>	<u>11:34</u>	<u>-30</u>	<u>3/8/16</u>	<u>1722</u>	<u>-7</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s):

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>1134</u>	<u>2.0</u>	<u>78.4</u>	<u>30.00</u>
Sampling End	<u>1722</u>	<u>2.0</u>	<u>78.3</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Grid put AREA in women locker room

Spoke to DALLAS - Back corner of mens room / next to water fountain
Also near showers / Humid 51.2

17030 -10

Box 7

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-G5-2016 0308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1033</u>	<u>1020</u>	<u>3/8/16</u>	<u>08:57</u>	<u>-30.15</u>	<u>3/8/16</u>	<u>17:31</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / Kestrel

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>8:37</u>	<u>2.26</u>	<u>73.2</u>	<u>30.00</u>
	<u>12:25</u>	<u>2.2</u>	<u>73.6</u>	<u>30.03</u>
Sampling End	<u>17:31</u>	<u>2.1</u>	<u>77.1</u>	<u>30.00</u>

OBSERVATIONS/NOTES

1225 e - 17

TABLE 2
Sample Collection Log
To Be Completed for Each Sample

Box 7

Lockheed Martin - Former Unisys Facility, 1111 Marcus Avenue, Lake Success, New York

Building (Circle) iPark LA Fitness LA Fitness Ambient

Location: LA Fitness

Date: 3/8/16

Sample Type (Circle) SS-Nested Sub-Slab Indoor Ambient

Depth (if applicable) (feet)

Canister Volume (circle) 6 - Liter 1 - Liter

Sample ID: IA-D7-20160308

Sampler Name: R. Wagner

LEAK CHECK (circle) YES NO

He Instrument: Units: %

Time	Ambient He	He in Shroud	> 60%	He in Tubing	< 10%
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO
			YES / NO		YES / NO

CANISTER INFORMATION		START			END		
Canister Number	Flow Controller Number	Start Date	Start Time	Initial Vacuum (" Hg)	End Date	End Time	Final Vacuum (" Hg)
<u>1071</u>	<u>0026</u>	<u>3/8/16</u>	<u>8:35</u>	<u>-30 Hg</u>	<u>3/8/16</u>	<u>1437</u>	<u>-8</u>

AMBIENT READINGS (To be taken at START, END and PERIODIC)

Instrument(s): PID / 145tr4

Check	Time	PID (ppm)	Temp (°F)	Pressure (" Hg)
Sampling Start	<u>835</u>	<u>2.6</u>	<u>73.2</u>	<u>30.00</u>
	<u>1215</u>	<u>2.2</u>	<u>73.7</u>	<u>30.02</u>
Sampling End	<u>1437</u>	<u>2.1</u>	<u>78.3</u>	<u>30.00</u>

OBSERVATIONS/NOTES

Canister pressure:

1220 - 19

**APPENDIX H—TENANT LETTERS TO LA FITNESS AND WINTHROP
MANAGEMENT**



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

June 3, 2016

Mr. George Mullen
Winthrop Management L.P.
1111 Marcus Avenue
Lake Success, NY 11042

RE: Vapor Intrusion (VI) Sampling Test Results

Dear Mr. Mullen:

Indoor air (IA) and Sub-slab (SS) vapor samples were collected from the LA Fitness building located at 1111 Marcus Avenue (Unisys Site No.130045). Samples were collected on March 8, 2016 within the heating season. This correspondence presents you with the sampling results.

The indoor air and sub-slab sample results are presented in Table 1 along with the ambient air data. All sample locations are shown on Figure 1. We have provided these results to the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH). As Winthrop Management and Lockheed Martin have agreed, we have 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 Facility are the solvents TCE, PCE, and cis-1,2-dichloroethene (DCE), and Freon 113, although there were other chemicals used at the site. Lockheed Martin, in consultation with NYSDEC and NYSDOH, has reviewed the results from your leaseholds 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/.

The March 8th indoor air sample results indicate that indoor air concentrations of TCE and PCE are below the NYSDOH VI Guidance indoor air guidelines of 2 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and 30 $\mu\text{g}/\text{m}^3$, respectively. Table 1 includes the sampling results for both indoor air and sub-slab samples collected from the LA Fitness building on March 8, 2016.

Volatile Organic Compounds including chloroform, PCE, toluene, TCE and Freon 113 were detected in selected sub-slab soil vapor samples underneath portions of the LA Fitness building. PCE was detected at concentration range of 3.6 $\mu\text{g}/\text{m}^3$ to 786 $\mu\text{g}/\text{m}^3$, and TCE concentrations ranged from 0.96 $\mu\text{g}/\text{m}^3$ to 111 $\mu\text{g}/\text{m}^3$ in sub-slab soil vapor samples. These results include analysis from four new sub-slab locations along with their associated ambient air samples (Prop 1-4). Figure 1 shows the locations of all sub-slab points, including the new locations.

In accordance with the NYSDOH VI guidance, monitoring is required at six sample locations (out of a total of eleven). These locations are C20, E16, Prop-1, Prop-3, C1, and D7. Annual sampling consisting of paired sub-slab and indoor will be conducted again during the next heating season. An ambient air sample will also be collected during the monitoring event.

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 1-817-495-0251 or via e-mail at robert.s.phillips@lmco.com.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Stan Phillips". The signature is written in a cursive, flowing style.

R. Stan Phillips

cc: Renata Ockerby/NYSDOH
Girish Desai/NYSDEC
Dallas Mellott/Tetra Tech
Peter Rich/Tetra Tech

Table 1: Indoor Air and Sub-Slab Sampling Results for LA Fitness Building
March 8, 2016

Client ID	AA_20160308		IA-13_20160308		SS-12_20160308		IA-C1_20160308		SS-C1*_20160308		SS-C1_20160308DUP	
Lab Sample ID	10341033029		10341033024		10341033012		10341033013		10341033001		10341033025	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 µg/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	2.1	ND	2	ND	1.9	ND	2	ND	2
1,1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.3	ND	1.3
1,1,2-TRICHLOROETHANE	ND	1	ND	1.1	ND	1	ND	0.92	ND	1	ND	1
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.9	ND	3.1	ND	2.9	ND	2.7	ND	2.9	ND	2.9
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	6.1	ND	5.8	ND	5.3	ND	5.8	ND	5.8
1,1-DICHLOROETHANE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
1,1-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
1,1-DIFLUOROETHANE	ND	2.5	13.6	2.6	3.4	2.5	20.9	2.3	ND	2.5	ND	2.5
1,2,4-TRICHLOROBENZENE	ND	276	ND	7.2	ND	6.9	ND	6.3	ND	6.9	ND	6.9
1,2,4-TRIMETHYLBENZENE	ND	4.6	ND	4.8	11.8	1.8	ND	1.7	ND	1.8	ND	4.6
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	9.4	ND	9	ND	8.2	ND	9	ND	9
1,2-DIBROMOETHANE	ND	2.9	ND	3	ND	2.9	ND	2.6	ND	2.9	ND	2.9
1,2-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2
1,2-DICHLOROETHANE	ND	0.75	ND	0.79	ND	0.75	ND	0.69	ND	0.75	ND	0.75
1,2-DICHLOROPROPANE	ND	1.7	ND	1.8	ND	1.7	ND	1.6	ND	1.7	ND	1.7
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.7	ND	2.6	ND	2.4	ND	2.6	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	4.6	ND	4.8	2.6	1.8	ND	1.7	ND	1.8	ND	4.6
1,3-BUTADIENE	ND	0.82	ND	0.86	ND	0.82	ND	0.76	ND	0.82	ND	0.82
1,3-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2
1,4-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2
1,4-DIOXANE	ND	6.7	ND	7	ND	6.7	ND	6.1	ND	6.7	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	4.6	ND	4.8	2.4	1.8	ND	1.7	ND	1.8	ND	4.6
2-BUTANONE	ND	5.5	ND	5.8	244	5.5	ND	5	ND	5.5	ND	5.5
2-HEXANONE	ND	7.6	ND	8	9.2	7.6	ND	7	ND	7.6	ND	7.6
3-CHLOROPROPENE	ND	2.9	ND	3.1	ND	2.9	ND	2.7	ND	2.9	ND	2.9
4-METHYL-2-PENTANONE	ND	7.6	ND	8	139	7.6	ND	7	ND	7.6	ND	7.6
ACETONE	11.5	4.4	32.4	4.6	696	4.4	31.9	4.1	6.4	4.4	9.9	4.4
BENZENE	0.72	0.59	0.78	0.62	ND	0.59	1.1	0.55	ND	0.59	ND	0.59
BROMODICHLROMETHANE	ND	2.5	ND	2.6	ND	2.5	ND	2.3	ND	2.5	ND	2.5
BROMOFORM	ND	9.6	ND	10.1	ND	9.6	ND	8.8	ND	9.6	ND	9.6
BROMOMETHANE	ND	1.4	ND	1.5	ND	1.4	ND	1.3	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2
CARBON TETRACHLORIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2
CHLOROBENZENE	ND	1.7	ND	1.8	ND	1.7	ND	1.6	ND	1.7	ND	1.7
CHLORODIBROMOMETHANE	ND	3.2	ND	3.3	ND	3.2	ND	2.9	ND	3.2	ND	3.2
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.4	ND	1.3	ND	1.2	4	1.3	ND	1.3
CHLOROETHANE	ND	0.99	ND	1	ND	0.99	ND	0.91	ND	0.99	ND	0.99
CHLOROFORM	ND	0.91	34.7	0.95	36.4	0.91	31.2	0.83	ND	0.91	ND	0.91
CHLOROMETHANE	ND	0.77	1.3	0.81	ND	0.77	ND	0.71	ND	0.77	ND	0.77
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.8	ND	1.7	ND	1.5	ND	1.7	ND	1.7
CYCLOHEXANE	ND	1.3	ND	1.3	1.9	1.3	ND	1.2	ND	1.3	ND	1.3
DICHLORODIFLUOROMETHANE	2.4	1.8	2.4	1.9	2.4	1.8	3.2	1.7	2.2	1.8	2.3	1.8
ETHYLBENZENE	ND	1.6	ND	1.7	ND	1.6	ND	1.5	ND	1.6	ND	1.6
HEXACHLOROBUTADIENE	ND	9.9	ND	10.4	ND	4	ND	3.7	ND	4	ND	9.9
HEXANE	ND	1.3	2.1	1.4	26.4	1.3	1.7	1.2	ND	1.3	ND	1.3
ISOPROPANOL	ND	4.6	98.2	4.8	72.2	4.6	98.7	4.2	4.8	4.6	ND	4.6
ISOPROPYLBENZENE	ND	4.6	ND	4.8	ND	4.6	ND	4.2	ND	4.6	ND	4.6
M+P-XYLENES	ND	3.2	ND	3.4	5.4	3.2	5.7	3	ND	3.2	ND	3.2
METHYL ACETATE	ND	2.8	ND	3	ND	2.8	ND	2.6	ND	2.8	ND	2.8
METHYL CYCLOHEXANE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.7	ND	7	ND	6.7	ND	6.2	ND	6.7	ND	6.7
METHYLENE CHLORIDE	15	6.5	ND	6.8	ND	6.5	ND	5.9	6.6	6.5	ND	6.5
O-XYLENE	ND	1.6	ND	1.7	2.2	1.6	2.2	1.5	ND	1.6	ND	1.6
PENTAFLUROETHYL CHLORIDE	ND	5.9	29.8	6.2	ND	5.9	46.7	5.4	ND	5.9	ND	5.9
STYRENE	ND	1.6	ND	1.7	ND	1.6	ND	1.5	ND	1.6	ND	1.6
TETRACHLOROETHENE	ND	1.3	ND	1.3	8.6	1.3	ND	1.2	11.4	1.3	12	1.3
TOLUENE	1.7	1.4	1.7	1.5	1.5	1.4	2.6	1.3	ND	1.4	ND	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.8	ND	1.7	ND	1.5	ND	1.7	ND	1.7
TRICHLOROETHENE	ND	1	ND	1.1	4.6	1	ND	0.92	111	1	107	1
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2.2	ND	2.1	ND	1.9	ND	2.1	ND	2.1
VINYL CHLORIDE	ND	0.48	ND	0.5	ND	0.48	ND	0.44	ND	0.48	ND	0.48

ND - Not Detected

MRL - Method Reporting Limit

"IA" denotes Indoor Air Samples

"SS" denotes Sub-Slab Samples

Table 1: Indoor Air and Sub-Slab Sampling Results for LA Fitness Building
March 8, 2016

Client ID	IA-C20_20160308		IA-C20_20160308DUP		SS-C20*_20160308		IA-D7_20160308		SS-D7*_20160308		IA-E10_20160308		SS-E10*_20160308	
Lab Sample ID	10341033014		10341033028		10341033002		10341033015		10341033003		10341033016		10341033004	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 ug/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	1.9	ND	2	ND	1.9	4.6	2	ND	2.5	ND	2
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.2	ND	1.3	ND	1.2	ND	1.3	ND	1.6	ND	1.3
1,1,2-TRICHLOROETHANE	ND	1	ND	0.96	ND	1	ND	0.96	ND	1	ND	1.2	ND	1
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.9	ND	2.8	158	2.9	ND	2.8	8.9	2.9	ND	3.6	ND	2.9
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.6	ND	5.8	ND	5.6	ND	5.8	ND	5.3	ND	5.8
1,1-DICHLOROETHANE	ND	1.5	ND	1.4	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5
1,1-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5
1,1-DIFLUOROETHANE	10.4	2.5	19.2	2.4	ND	2.5	24.5	2.4	5.9	2.5	21.8	2.3	13.6	2.5
1,2,4-TRICHLOROBENZENE	ND	6.9	ND	264	ND	6.9	ND	13.2	ND	6.9	ND	17	ND	6.9
1,2,4-TRIMETHYLBENZENE	ND	1.8	ND	4.4	ND	1.8	ND	1.7	ND	1.8	ND	2.2	ND	1.8
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	8.6	ND	9	ND	8.6	ND	9	ND	8.2	ND	9
1,2-DIBROMOETHANE	ND	2.9	ND	2.7	ND	2.9	ND	2.7	ND	2.9	ND	3.5	ND	2.9
1,2-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2
1,2-DICHLOROETHANE	ND	0.75	ND	0.72	ND	0.75	ND	0.72	ND	0.75	ND	0.92	ND	0.75
1,2-DICHLOROPROPANE	ND	1.7	ND	1.6	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.5	ND	2.6	ND	2.5	ND	2.6	ND	3.2	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	1.8	ND	4.4	ND	1.8	ND	1.7	ND	1.8	ND	2.2	ND	1.8
1,3-BUTADIENE	ND	0.82	ND	0.79	ND	0.82	ND	0.79	ND	0.82	ND	1	ND	0.82
1,3-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2
1,4-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2
1,4-DIOXANE	ND	6.7	ND	6.4	ND	6.7	ND	6.4	ND	6.7	ND	8.2	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	4.4	ND	1.8	ND	1.8	ND	1.8	ND	2.2	ND	1.8
2-BUTANONE	ND	5.5	ND	5.2	ND	5.5	ND	5.2	ND	5.5	ND	6.8	ND	5.5
2-HEXANONE	ND	7.6	ND	7.3	ND	7.6	ND	7.3	ND	7.6	ND	9.4	ND	7.6
3-CHLOROPROPENE	ND	2.9	ND	2.8	ND	2.9	ND	2.8	ND	2.9	ND	3.6	ND	2.9
4-METHYL-2-PENTANONE	ND	7.6	ND	7.3	ND	7.6	ND	7.3	ND	7.6	14	9.4	ND	7.6
ACETONE	27.8	4.4	127	4.2	10.2	4.4	46.4	4.2	4.7	4.4	52	5.4	20.8	4.4
BENZENE	1.2	0.59	1.3	0.57	ND	0.59	ND	1.1	ND	0.59	ND	1.5	0.6	0.59
BROMODICHLOROMETHANE	ND	2.5	ND	2.4	ND	2.5	ND	2.4	ND	2.5	ND	3.1	ND	2.5
BROMOFORM	ND	9.6	ND	9.2	ND	9.6	ND	3.7	ND	9.6	ND	4.7	ND	9.6
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.8	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.1	ND	1.2	ND	1.1	ND	1.2	ND	1.4	ND	1.2
CARBON TETRACHLORIDE	ND	1.2	ND	1.1	ND	1.2	ND	1.1	ND	1.2	ND	1.4	ND	1.2
CHLOROBENZENE	ND	1.7	ND	1.6	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7
CHLORODIBROMOMETHANE	ND	3.2	ND	3	ND	3.2	ND	3	ND	3.2	ND	3.9	ND	3.2
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.3	2.3	1.3	ND	1.3	ND	1.3	43.1	1.6	ND	1.3
CHLOROETHANE	ND	0.99	ND	0.94	ND	0.99	ND	0.94	ND	0.99	ND	1.2	ND	0.99
CHLOROFORM	23.6	0.91	12.4	0.87	1	0.91	32.6	1.7	13.4	0.91	30.9	2.2	22.2	0.91
CHLOROMETHANE	1.3	0.77	1.5	0.74	ND	0.77	1.7	0.74	ND	0.77	1.9	0.94	ND	0.77
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.5	2.4	1.4	ND	1.5	ND	1.8	ND	1.5
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7
CYCLOHEXANE	ND	1.3	1.3	1.2	ND	1.3	ND	1.2	ND	1.3	ND	1.6	ND	1.3
DICHLORODIFLUOROMETHANE	ND	1.8	3.1	1.8	ND	1.8	2.2	1.8	2.5	1.8	2.6	2.3	2.2	1.8
ETHYLBENZENE	ND	1.6	ND	1.5	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6
HEXACHLOROBUTADIENE	ND	4	ND	9.5	ND	4	ND	19	ND	4	ND	24.4	ND	4
HEXANE	2	1.3	11.9	1.3	ND	1.3	ND	1.3	ND	1.3	3	1.6	ND	1.3
ISOPROPANOL	117	4.6	50.1	4.4	ND	4.6	121	4.4	5.2	4.6	141	5.6	40.2	4.6
ISOPROPYLBENZENE	ND	4.6	ND	4.4	ND	4.6	ND	4.4	ND	4.6	ND	5.6	ND	4.6
M+P-XYLENES	ND	3.2	4.2	3.1	ND	3.2	ND	3.1	ND	3.2	ND	4	ND	3.2
METHYL ACETATE	ND	2.8	ND	2.7	ND	2.8	ND	2.7	ND	2.8	ND	2.6	ND	2.8
METHYL CYCLOHEXANE	ND	1.5	ND	1.4	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.4	ND	6.7	ND	6.4	ND	6.7	ND	8.2	ND	6.7
METHYLENE CHLORIDE	ND	6.5	626	8.3	ND	6.5	ND	6.2	ND	6.5	16.3	7.9	ND	6.5
O-XYLENE	ND	1.6	ND	1.5	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6
PENTAFLUOROETHYL CHLORIDE	ND	5.9	10.6	5.6	ND	5.9	54.6	5.6	ND	5.9	46.3	5.4	ND	5.9
STYRENE	ND	1.6	ND	1.5	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6
TETRACHLOROETHENE	4.2	1.3	ND	1.2	786	1.3	ND	1.2	19.9	1.3	ND	1.6	14.8	1.3
TOLUENE	2.8	1.4	8.3	1.3	ND	1.4	4.1	1.3	ND	1.4	12.7	1.7	1.6	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7
TRICHLOROETHENE	1.3	1	ND	0.96	3.4	1	ND	0.96	91.1	1	ND	1.2	26	1
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2	ND	2.1	ND	2	3	2.1	ND	2.6	ND	2.1
VINYL CHLORIDE	ND	0.48	ND	0.46	ND	0.48	ND	0.46	ND	0.48	ND	0.58	ND	0.48

ND- Not Detected
MRL - Method Reporting Limit
"IA" denotes Indoor Air Samples
"SS" denotes Sub-Slab Samples

Table 1: Indoor Air and Sub-Slab Sampling Results for LA Fitness Building
March 8, 2016

Client ID	SS-E10_20160308DUP		IA-E16_20160308		SS-E16*_20160308		IA-G5_20160308		SS-G5*_20160308		IA-H21_20160308		SS-H21*_20160308		IA-Prop1_20160308		IA-Prop1_20160308DUP	
Lab Sample ID	10341033026		10341033017		10341033005		10341033018		10341033006		10341033019		10341033007		10341033020		10341033027	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 ug/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	1.9	ND	1.9	ND	2	ND	2.1	ND	1.9	ND	1.7	ND	2	ND	2
1,1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.2	ND	1.2	ND	1.3	ND	1.3	ND	1.2	ND	1	ND	1.3	ND	1.3
1,1,2-TRICHLOROETHANE	ND	1	ND	0.96	ND	0.96	ND	1	ND	1.1	ND	0.96	ND	0.82	ND	1	ND	1
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.9	ND	2.8	ND	2.8	ND	2.9	ND	3.1	ND	2.8	29.4	2.4	ND	2.9	ND	2.9
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.6	ND	5.6	ND	5.8	ND	6.1	ND	5.6	ND	4.7	ND	5.8	ND	5.8
1,1-DICHLOROETHANE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
1,1-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
1,1-DIFLUOROETHANE	8.2	2.5	10.2	2.4	9.5	2.4	19.8	2.5	19.6	2.6	10.1	2.4	ND	2	12.6	2.5	10.8	2.5
1,2,4-TRICHLOROBENZENE	ND	6.9	ND	6.6	ND	6.6	ND	6.9	ND	7.2	ND	6.6	ND	5.6	ND	6.9	ND	6.9
1,2,4-TRIMETHYLBENZENE	ND	4.6	ND	1.7	6.2	1.7	ND	1.8	ND	1.9	ND	1.7	ND	1.5	ND	4.6	ND	4.6
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	8.6	ND	8.6	ND	9	ND	9.4	ND	8.6	ND	7.3	ND	9	ND	9
1,2-DIBROMOETHANE	ND	2.9	ND	2.7	ND	2.7	ND	2.9	ND	3	ND	2.7	ND	2.3	ND	2.9	ND	2.9
1,2-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	ND	2.2	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2
1,2-DICHLOROETHANE	ND	0.75	ND	0.72	ND	0.72	ND	0.75	ND	0.79	ND	0.72	ND	0.61	ND	0.75	ND	0.75
1,2-DICHLOROPROPANE	ND	1.7	ND	1.6	ND	1.6	ND	1.7	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7
1,2-DICHLOROTETRAFLUROETHANE	ND	2.6	ND	2.5	ND	2.5	ND	2.6	ND	2.7	ND	2.5	ND	2.1	ND	2.6	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	4.6	ND	1.7	ND	1.7	ND	1.8	ND	1.9	ND	1.7	ND	1.5	ND	4.6	ND	4.6
1,3-BUTADIENE	ND	0.82	ND	0.79	ND	0.79	ND	0.82	ND	0.86	ND	0.79	ND	0.67	ND	0.82	ND	0.82
1,3-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	ND	2.2	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2
1,4-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	ND	2.2	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2
1,4-DIOXANE	ND	6.7	ND	6.4	ND	6.4	ND	6.7	ND	7	ND	6.4	ND	5.5	ND	6.7	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	4.6	ND	1.8	2	1.8	ND	1.8	ND	1.9	ND	1.8	ND	1.5	ND	4.6	ND	4.6
2-BUTANONE	ND	5.5	ND	5.2	ND	5.2	11	5.5	ND	5.8	ND	5.2	5.8	4.5	ND	5.5	ND	5.5
2-HEXANONE	ND	7.6	ND	7.3	ND	7.3	ND	7.6	ND	8	ND	7.3	ND	6.2	ND	7.6	ND	7.6
3-CHLOROPROPENE	ND	2.9	ND	2.8	ND	2.8	ND	2.9	ND	3.1	ND	2.8	ND	2.4	ND	2.9	ND	2.9
4-METHYL-2-PENTANONE	ND	7.6	7.9	7.3	ND	7.3	ND	7.6	ND	8	ND	7.3	ND	6.2	ND	7.6	ND	7.6
ACETONE	14.5	4.4	37.7	4.2	89.5	4.2	39.3	4.4	38.8	4.6	35.1	4.2	14.5	3.6	36.5	4.4	31.5	4.4
BENZENE	ND	0.59	1.1	0.57	1.1	0.57	1.1	0.59	1.1	0.62	1.1	0.57	0.5	0.48	1	0.59	0.91	0.59
BROMODICHLOROMETHANE	ND	2.5	ND	2.4	ND	2.4	ND	2.5	ND	2.6	ND	2.4	ND	2	ND	2.5	ND	2.5
BROMOFORM	ND	9.6	ND	9.2	ND	9.2	ND	9.6	ND	10.1	ND	9.2	ND	7.8	ND	9.6	ND	9.6
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.4	ND	1.2	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.1	3.1	1.1	ND	1.2	ND	1.2	ND	1.1	1.7	0.94	2.1	1.2	ND	1.2
CARBON TETRACHLORIDE	ND	1.2	ND	1.1	ND	1.1	ND	1.2	ND	1.2	ND	1.1	ND	0.95	ND	1.2	ND	1.2
CHLOROBENZENE	ND	1.7	ND	1.6	ND	1.6	ND	1.7	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7
CHLORODIBROMOMETHANE	ND	3.2	ND	3	ND	3	ND	3.2	ND	3.3	ND	3	ND	2.6	ND	3.2	ND	3.2
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3	12.1	1.1	ND	1.3	ND	1.3
CHLOROETHANE	ND	0.99	ND	0.94	ND	0.94	ND	0.99	ND	1	ND	0.94	ND	0.8	ND	0.99	ND	0.99
CHLOROFORM	15.8	0.91	24.4	0.87	20.1	0.87	32.5	0.91	31	0.95	20.5	0.87	2.1	0.74	31.1	0.91	29.5	0.91
CHLROMETHANE	ND	0.77	1.4	0.74	ND	0.74	ND	0.77	ND	0.81	1.2	0.74	ND	0.63	1.4	0.77	1.1	0.77
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.6	ND	1.7	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7
CYCLOHEXANE	ND	1.3	ND	1.2	2.5	1.2	ND	1.3	ND	1.3	ND	1.2	1.6	1	ND	1.3	1.4	1.3
DICHLORODIFLUOROMETHANE	2.2	1.8	2.6	1.8	ND	1.8	ND	1.8	2.3	1.9	2.4	1.8	2.3	1.5	ND	1.8	2.5	1.8
ETHYLBENZENE	ND	1.6	ND	1.5	ND	1.5	ND	1.6	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6
HEXACHLOROBUTADIENE	ND	9.9	ND	3.8	ND	3.8	ND	4	ND	4.2	ND	3.8	ND	3.3	ND	9.9	ND	9.9
HEXANE	ND	1.3	1.9	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3	8.8	1.1	ND	1.3	1.6	1.3
ISOPROPANOL	8.4	4.6	118	4.4	25.9	4.4	121	4.6	130	4.8	134	4.4	8.7	3.7	123	4.6	62.1	4.6
ISOPROPYLBENZENE	ND	4.6	ND	4.4	ND	4.4	ND	4.6	ND	4.8	ND	4.4	ND	3.7	ND	4.6	ND	4.6
M+P-XYLENES	ND	3.2	ND	3.1	5	3.1	ND	3.2	ND	3.4	ND	3.1	ND	2.6	ND	3.2	ND	3.2
METHYL ACETATE	ND	2.8	ND	2.7	ND	2.7	ND	2.8	ND	3	ND	2.7	ND	2.3	ND	2.8	ND	2.8
METHYL CYCLOHEXANE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.4	ND	6.4	ND	6.7	ND	7	ND	6.4	ND	5.5	ND	6.7	ND	6.7
METHYLENE CHLORIDE	ND	6.5	ND	6.2	ND	6.2	ND	6.5	ND	6.8	ND	6.2	30.7	5.3	ND	6.5	ND	6.5
O-XYLENE	ND	1.6	ND	1.5	3.1	1.5	ND	1.6	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6
PENTAFLUROETHYL CHLORIDE	17.3	5.9	ND	5.6	ND	5.6	ND	5.9	ND	6.2	ND	5.6	ND	4.8	26.8	5.9	22.2	5.9
STYRENE	ND	1.6	ND	1.5	2.5	1.5	ND	1.6	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6
TETRACHLOROETHENE	22.7	1.3	ND	1.2	306	1.2	ND	1.3	ND	1.3	ND	1.2	86.9	1	ND	1.3	ND	1.3
TOLUENE	ND	1.4	7.9	1.3	2.5	1.3	3.5	1.4	2.7	1.5	2.2	1.3	13.7	1.1	2.4	1.4	2.2	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.6	ND	1.7	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7
TRICHLOROETHENE	38	1	ND	0.96	0.96	0.96	ND	1	ND	1.1	ND	0.96	1.2	0.82	ND	1	ND	1
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2	ND	2	ND	2.1	ND	2.2	ND	2	2.3	1.7	ND	2.1	ND	2.1
VINYL CHLORIDE	ND	0.48	ND	0.46	ND	0.46	ND	0.48	ND	0.5	ND	0.46	ND	0.39	ND	0.48	ND	0.48

ND- Not Detected

MRL - Method Reporting Limit

"IA" denotes Indoor Air Samples

"SS" denotes Sub-Slab Samples

Table 1: Indoor Air and Sub-Slab Sampling Results for LA Fitness Building
March 8, 2016

Client ID	SS-Prop1_20160308		IA-Prop2_20160308		SS-Prop2_20160308		IA-Prop3_20160308		SS-Prop3_20160308		IA-Prop4_20160308		SS-Prop4_20160308	
Lab Sample ID	10341033008		10341033021		10341033009		10341033022		10341033010		10341033023		10341033011	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 ug/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2.2	ND	1.9	ND	2	ND	2	ND	2.1	ND	1.9	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.4	ND	1.2	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	ND	1.1	ND	0.96	ND	1	ND	1	ND	1.1	ND	0.96	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE	6.1	3.2	ND	2.8	21.7	2.9	ND	2.9	34.3	3.1	ND	2.8	4.9	2.7
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	6.4	ND	5.6	ND	5.8	ND	5.8	ND	6.1	ND	5.6	ND	5.3
1,1-DICHLOROETHANE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
1,1-DIFLUOROETHANE	7.1	2.8	9.9	2.4	7	2.5	12.6	2.5	ND	2.6	16.8	2.4	18.6	2.3
1,2,4-TRICHLOROBENZENE	ND	7.6	ND	6.6	ND	6.9	ND	6.9	ND	7.2	ND	6.6	ND	6.3
1,2,4-TRIMETHYLBENZENE	ND	2	ND	4.4	ND	1.8	ND	4.6	3.3	1.9	ND	4.4	6.3	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	9.9	ND	8.6	ND	9	ND	9	ND	9.4	ND	8.6	ND	8.2
1,2-DIBROMOETHANE	ND	3.1	ND	2.7	ND	2.9	ND	2.9	ND	3	ND	2.7	ND	2.6
1,2-DICHLOROBENZENE	ND	2.5	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,2-DICHLOROETHANE	ND	0.82	ND	0.72	ND	0.75	ND	0.75	ND	0.79	ND	0.72	ND	0.69
1,2-DICHLOROPROPANE	ND	1.9	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.9	ND	2.5	ND	2.6	ND	2.6	ND	2.7	ND	2.5	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	2	ND	4.4	ND	1.8	ND	4.6	ND	1.9	ND	4.4	ND	1.7
1,3-BUTADIENE	ND	0.9	ND	0.79	ND	0.82	ND	0.82	ND	0.86	ND	0.79	ND	0.76
1,3-DICHLOROBENZENE	ND	2.5	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,4-DICHLOROBENZENE	ND	2.5	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,4-DIOXANE	ND	7.4	ND	6.4	ND	6.7	ND	6.7	ND	7	ND	6.4	ND	6.1
1-ETHYL-4-METHYL BENZENE	ND	2	ND	4.4	ND	1.8	ND	4.6	ND	1.9	ND	4.4	ND	1.7
2-BUTANONE	ND	6	ND	5.2	5.6	5.5	ND	5.5	ND	5.8	ND	5.2	ND	5
2-HEXANONE	ND	8.4	ND	7.3	ND	7.6	ND	7.6	ND	8	ND	7.3	ND	7
3-CHLOROPROPENE	ND	3.2	ND	2.8	ND	2.9	ND	2.9	ND	3.1	ND	2.8	ND	2.7
4-METHYL-2-PENTANONE	ND	8.4	ND	7.3	ND	7.6	ND	7.6	ND	8	ND	7.3	ND	7
ACETONE	266	4.9	32.8	4.2	68.9	4.4	34.1	4.4	44.5	4.6	37.1	4.2	29.1	4.1
BENZENE	1.1	0.65	0.99	0.57	0.96	0.59	1.1	0.59	ND	0.62	1.1	0.57	1.3	0.55
BROMODICHLOROMETHANE	ND	2.7	ND	2.4	ND	2.5	ND	2.5	ND	2.6	ND	2.4	ND	2.3
BROMOFORM	ND	10.6	ND	9.2	ND	9.6	ND	9.6	ND	10.1	ND	9.2	ND	8.8
BROMOMETHANE	ND	1.6	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.4	ND	1.3
CARBON DISULFIDE	ND	1.3	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	2	1.1
CARBON TETRACHLORIDE	ND	1.3	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.1
CHLOROBENZENE	ND	1.9	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	3.5	ND	3	ND	3.2	ND	3.2	ND	3.3	ND	3	ND	2.9
CHLORODIFLUOROMETHANE	ND	1.4	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3	45.9	1.2
CHLOROETHANE	ND	1.1	ND	0.94	ND	0.99	ND	0.99	ND	1	ND	0.94	ND	0.91
CHLOROFORM	26.6	1	21.7	0.87	15.5	0.91	25.9	0.91	124	0.95	29.1	0.87	4.7	0.83
CHLOROMETHANE	ND	0.84	1.2	0.74	0.9	0.77	1.4	0.77	ND	0.81	ND	0.74	1.2	0.71
CIS-1,2-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.8	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.5
CYCLOHEXANE	ND	1.4	ND	1.2	ND	1.3	ND	1.3	ND	1.3	ND	1.2	1.7	1.2
DICHLORODIFLUOROMETHANE	ND	2	2.3	1.8	1.9	1.8	2.3	1.8	ND	1.9	2.4	1.8	2.9	1.7
ETHYLBENZENE	ND	1.8	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.5	1.6	1.5
HEXACHLOROBUTADIENE	ND	4.4	ND	9.5	ND	4	ND	9.9	ND	4.2	ND	9.5	ND	3.7
HEXANE	ND	1.4	2.6	1.3	ND	1.3	2	1.3	ND	1.4	2.2	1.3	16.9	1.2
ISOPROPANOL	87.3	5	113	4.4	109	4.6	126	4.6	22.5	4.8	108	4.4	ND	4.2
ISOPROPYLBENZENE	ND	5	ND	4.4	ND	4.6	ND	4.6	ND	4.8	ND	4.4	ND	4.2
M+P-XYLENES	ND	3.6	ND	3.1	ND	3.2	ND	3.2	ND	3.4	ND	3.1	6.8	3
METHYL ACETATE	ND	3.1	ND	2.7	ND	2.8	ND	2.8	ND	3	ND	2.7	ND	2.6
METHYL CYCLOHEXANE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	ND	7.4	ND	6.4	ND	6.7	ND	6.7	ND	7	ND	6.4	ND	6.2
METHYLENE CHLORIDE	ND	7.1	ND	6.2	ND	6.5	ND	6.5	ND	6.8	10.2	6.2	103	5.9
O-XYLENE	ND	1.8	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.5	2.6	1.5
PENTAFLUOROETHYL CHLORIDE	ND	6.5	20.5	5.6	ND	5.9	26.7	5.9	ND	6.2	36.1	5.6	ND	5.4
STYRENE	ND	1.7	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.5	ND	1.5
TETRACHLOROETHENE	242	1.4	ND	1.2	3.6	1.3	ND	1.3	105	1.3	ND	1.2	43.2	1.2
TOLUENE	3	1.5	2	1.3	4.9	1.4	3	1.4	1.8	1.5	6.8	1.3	9.7	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.8	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.5
TRICHLOROETHENE	6.5	1.1	ND	0.96	2	1	ND	1	5.7	1.1	ND	0.96	14.8	0.92
TRICHLOROFLUOROMETHANE	ND	2.3	ND	2	ND	2.1	ND	2.1	2.6	2.2	ND	2	1.9	1.9
VINYL CHLORIDE	ND	0.52	ND	0.46	ND	0.48	ND	0.48	ND	0.5	ND	0.46	ND	0.44

ND- Not Detected
MRL - Method Reporting Limit
"IA" denotes Indoor Air Samples
"SS" denotes Sub-Slab Samples



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

June 3, 2016

Ms. Phyllis MacKnight
Lease Administrator LA Fitness
C/O Winthrop Management
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, Tetra Tech to collect indoor air and sub-slab soil vapor samples from your leasehold at 1111 Marcus Avenue (Unisys Site No.130045). Indoor air (IA) and Sub-slab (SS) vapor samples were collected from the LA Fitness building located at 1111 Marcus Avenue (Unisys Site No.130045). Samples were collected on March 8, 2016 within the heating season. This correspondence presents you with the sampling results.

As you may be aware, the primary chemicals of concern related to historical activities at the former Unisys facility are the solvents trichloroethene (TCE), tetrachloroethene (PCE), and cis-1,2-dichloroethene (DCE), and Freon 113, 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, 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 leaseholds 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/. The March 8th indoor air sample results indicate that indoor air concentrations of TCE and PCE are below the NYSDOH VI Guidance Document indoor air guidelines of 2 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and $30 \mu\text{g}/\text{m}^3$, respectively. Although the indoor air concentrations of TCE are lower than the reduced Air Guideline Value of $2 \mu\text{g}/\text{m}^3$, reasonable and practicable measures are recommended to reduce indoor air concentrations. Suggested measures may include identifying products which contain volatile organic compounds (VOCs), keeping product containers tightly capped, and using products in well-ventilated areas. The sample locations are presented in Figure

1. All sample results are summarized and compared to typical indoor air background concentrations and ambient air sample results in Table 1.

Table 1 presents all indoor air, sub-slab, and ambient air sampling results from the March 8, 2016 sampling event. The indoor air quality of your leasehold is comparable to that of buildings not affected by environmental contamination. The volatile organic chemicals detected in indoor air are at levels usually found in indoor air in an urban area and do not represent a concern. Although chloroform was detected slightly above levels typically found in indoor air, indoor air concentrations were generally higher than the chloroform level found in the sub-slab soil vapor samples, suggesting the indoor air results are likely associated with background sources (i.e., chlorinated pool and/or rubber floor mats). The enclosed fact sheet from NYSDOH provides some information on reducing exposures to volatile chemicals associated with household products.

Volatile organic compounds including chloroform, PCE, toluene, TCE and Freon 113 were detected in selected sub-slab soil vapor samples underneath portions of the LA Fitness building. PCE was detected at concentration range of 3.6 $\mu\text{g}/\text{m}^3$ to 786 $\mu\text{g}/\text{m}^3$, and TCE concentrations ranged from 0.96 $\mu\text{g}/\text{m}^3$ to 111 $\mu\text{g}/\text{m}^3$ in sub-slab soil vapor samples. These results include analysis from four new sub-slab locations along with their associated ambient air samples (Prop 1-4). Figure 1 shows the locations of all sub-slab points, including the new locations.

In accordance with the NYSDOH VI guidance, monitoring is required at six sample locations (out of a total of eleven). These sample points are C20, E16, Prop-1, Prop-3, C1, and D7. Annual sampling consisting of paired sub-slab and indoor will be conducted again during the next heating season. An ambient air sample will also be collected during the monitoring event.

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 ongoing environmental investigations and cleanup at the former Unisys Facility, please contact me at 1-817-495-0251 or via e-mail at robert.s.phillips@lmco.com.

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

Sincerely,



R. Stan Phillips

cc: Renata Ockerby/NYSDOH
Girish Desai/NYSDEC
Dallas Mellott/Tetra Tech
Peter Rich/Tetra Tech

Table 1: Indoor Air and Sub-Slab Sampling Results for LA Fitness Building
March 8, 2016

Client ID	AA_20160308		IA-13_20160308		SS-12_20160308		IA-C1_20160308		SS-C1*_20160308		SS-C1_20160308DUP	
Lab Sample ID	10341033029		10341033024		10341033012		10341033013		10341033001		10341033025	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 µg/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	2.1	ND	2	ND	1.9	ND	2	ND	2
1,1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.3	ND	1.3
1,1,2-TRICHLOROETHANE	ND	1	ND	1.1	ND	1	ND	0.92	ND	1	ND	1
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.9	ND	3.1	ND	2.9	ND	2.7	ND	2.9	ND	2.9
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	6.1	ND	5.8	ND	5.3	ND	5.8	ND	5.8
1,1-DICHLOROETHANE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
1,1-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
1,1-DIFLUOROETHANE	ND	2.5	13.6	2.6	3.4	2.5	20.9	2.3	ND	2.5	ND	2.5
1,2,4-TRICHLOROBENZENE	ND	276	ND	7.2	ND	6.9	ND	6.3	ND	6.9	ND	6.9
1,2,4-TRIMETHYLBENZENE	ND	4.6	ND	4.8	11.8	1.8	ND	1.7	ND	1.8	ND	4.6
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	9.4	ND	9	ND	8.2	ND	9	ND	9
1,2-DIBROMOETHANE	ND	2.9	ND	3	ND	2.9	ND	2.6	ND	2.9	ND	2.9
1,2-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2
1,2-DICHLOROETHANE	ND	0.75	ND	0.79	ND	0.75	ND	0.69	ND	0.75	ND	0.75
1,2-DICHLOROPROPANE	ND	1.7	ND	1.8	ND	1.7	ND	1.6	ND	1.7	ND	1.7
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.7	ND	2.6	ND	2.4	ND	2.6	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	4.6	ND	4.8	2.6	1.8	ND	1.7	ND	1.8	ND	4.6
1,3-BUTADIENE	ND	0.82	ND	0.86	ND	0.82	ND	0.76	ND	0.82	ND	0.82
1,3-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2
1,4-DICHLOROBENZENE	ND	2.2	ND	2.3	ND	2.2	ND	2	ND	2.2	ND	2.2
1,4-DIOXANE	ND	6.7	ND	7	ND	6.7	ND	6.1	ND	6.7	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	4.6	ND	4.8	2.4	1.8	ND	1.7	ND	1.8	ND	4.6
2-BUTANONE	ND	5.5	ND	5.8	244	5.5	ND	5	ND	5.5	ND	5.5
2-HEXANONE	ND	7.6	ND	8	9.2	7.6	ND	7	ND	7.6	ND	7.6
3-CHLOROPROPENE	ND	2.9	ND	3.1	ND	2.9	ND	2.7	ND	2.9	ND	2.9
4-METHYL-2-PENTANONE	ND	7.6	ND	8	139	7.6	ND	7	ND	7.6	ND	7.6
ACETONE	11.5	4.4	32.4	4.6	696	4.4	31.9	4.1	6.4	4.4	9.9	4.4
BENZENE	0.72	0.59	0.78	0.62	ND	0.59	1.1	0.55	ND	0.59	ND	0.59
BROMODICHLROMETHANE	ND	2.5	ND	2.6	ND	2.5	ND	2.3	ND	2.5	ND	2.5
BROMOFORM	ND	9.6	ND	10.1	ND	9.6	ND	8.8	ND	9.6	ND	9.6
BROMOMETHANE	ND	1.4	ND	1.5	ND	1.4	ND	1.3	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2
CARBON TETRACHLORIDE	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.2	ND	1.2
CHLOROBENZENE	ND	1.7	ND	1.8	ND	1.7	ND	1.6	ND	1.7	ND	1.7
CHLORODIBROMOMETHANE	ND	3.2	ND	3.3	ND	3.2	ND	2.9	ND	3.2	ND	3.2
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.4	ND	1.3	ND	1.2	4	1.3	ND	1.3
CHLOROETHANE	ND	0.99	ND	1	ND	0.99	ND	0.91	ND	0.99	ND	0.99
CHLOROFORM	ND	0.91	34.7	0.95	36.4	0.91	31.2	0.83	ND	0.91	ND	0.91
CHLOROMETHANE	ND	0.77	1.3	0.81	ND	0.77	ND	0.71	ND	0.77	ND	0.77
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.8	ND	1.7	ND	1.5	ND	1.7	ND	1.7
CYCLOHEXANE	ND	1.3	ND	1.3	1.9	1.3	ND	1.2	ND	1.3	ND	1.3
DICHLORODIFLUOROMETHANE	2.4	1.8	2.4	1.9	2.4	1.8	3.2	1.7	2.2	1.8	2.3	1.8
ETHYLBENZENE	ND	1.6	ND	1.7	ND	1.6	ND	1.5	ND	1.6	ND	1.6
HEXACHLOROBUTADIENE	ND	9.9	ND	10.4	ND	4	ND	3.7	ND	4	ND	9.9
HEXANE	ND	1.3	2.1	1.4	26.4	1.3	1.7	1.2	ND	1.3	ND	1.3
ISOPROPANOL	ND	4.6	98.2	4.8	72.2	4.6	98.7	4.2	4.8	4.6	ND	4.6
ISOPROPYLBENZENE	ND	4.6	ND	4.8	ND	4.6	ND	4.2	ND	4.6	ND	4.6
M+P-XYLENES	ND	3.2	ND	3.4	5.4	3.2	5.7	3	ND	3.2	ND	3.2
METHYL ACETATE	ND	2.8	ND	3	ND	2.8	ND	2.6	ND	2.8	ND	2.8
METHYL CYCLOHEXANE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.7	ND	7	ND	6.7	ND	6.2	ND	6.7	ND	6.7
METHYLENE CHLORIDE	15	6.5	ND	6.8	ND	6.5	ND	5.9	6.6	6.5	ND	6.5
O-XYLENE	ND	1.6	ND	1.7	2.2	1.6	2.2	1.5	ND	1.6	ND	1.6
PENTAFLUROETHYL CHLORIDE	ND	5.9	29.8	6.2	ND	5.9	46.7	5.4	ND	5.9	ND	5.9
STYRENE	ND	1.6	ND	1.7	ND	1.6	ND	1.5	ND	1.6	ND	1.6
TETRACHLOROETHENE	ND	1.3	ND	1.3	8.6	1.3	ND	1.2	11.4	1.3	12	1.3
TOLUENE	1.7	1.4	1.7	1.5	1.5	1.4	2.6	1.3	ND	1.4	ND	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.6	ND	1.5	ND	1.4	ND	1.5	ND	1.5
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.8	ND	1.7	ND	1.5	ND	1.7	ND	1.7
TRICHLOROETHENE	ND	1	ND	1.1	4.6	1	ND	0.92	111	1	107	1
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2.2	ND	2.1	ND	1.9	ND	2.1	ND	2.1
VINYL CHLORIDE	ND	0.48	ND	0.5	ND	0.48	ND	0.44	ND	0.48	ND	0.48

ND - Not Detected

MRL - Method Reporting Limit

"IA" denotes Indoor Air Samples

"SS" denotes Sub-Slab Samples

Table 1: Indoor Air and Sub-Slab Sampling Results for LA Fitness Building
March 8, 2016

Client ID	IA-C20_20160308		IA-C20_20160308DUP		SS-C20*_20160308		IA-D7_20160308		SS-D7*_20160308		IA-E10_20160308		SS-E10*_20160308	
Lab Sample ID	10341033014		10341033028		10341033002		10341033015		10341033003		10341033016		10341033004	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 ug/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	1.9	ND	2	ND	1.9	4.6	2	ND	2.5	ND	2
1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.2	ND	1.3	ND	1.2	ND	1.3	ND	1.6	ND	1.3
1,1,2-TRICHLOROETHANE	ND	1	ND	0.96	ND	1	ND	0.96	ND	1	ND	1.2	ND	1
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.9	ND	2.8	158	2.9	ND	2.8	8.9	2.9	ND	3.6	ND	2.9
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.6	ND	5.8	ND	5.6	ND	5.8	ND	5.3	ND	5.8
1,1-DICHLOROETHANE	ND	1.5	ND	1.4	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5
1,1-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5
1,1-DIFLUOROETHANE	10.4	2.5	19.2	2.4	ND	2.5	24.5	2.4	5.9	2.5	21.8	2.3	13.6	2.5
1,2,4-TRICHLOROBENZENE	ND	6.9	ND	264	ND	6.9	ND	13.2	ND	6.9	ND	17	ND	6.9
1,2,4-TRIMETHYLBENZENE	ND	1.8	ND	4.4	ND	1.8	ND	1.7	ND	1.8	ND	2.2	ND	1.8
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	8.6	ND	9	ND	8.6	ND	9	ND	8.2	ND	9
1,2-DIBROMOETHANE	ND	2.9	ND	2.7	ND	2.9	ND	2.7	ND	2.9	ND	3.5	ND	2.9
1,2-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2
1,2-DICHLOROETHANE	ND	0.75	ND	0.72	ND	0.75	ND	0.72	ND	0.75	ND	0.92	ND	0.75
1,2-DICHLOROPROPANE	ND	1.7	ND	1.6	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.6	ND	2.5	ND	2.6	ND	2.5	ND	2.6	ND	3.2	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	1.8	ND	4.4	ND	1.8	ND	1.7	ND	1.8	ND	2.2	ND	1.8
1,3-BUTADIENE	ND	0.82	ND	0.79	ND	0.82	ND	0.79	ND	0.82	ND	1	ND	0.82
1,3-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2
1,4-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.2	ND	2.1	ND	2.2	ND	2.7	ND	2.2
1,4-DIOXANE	ND	6.7	ND	6.4	ND	6.7	ND	6.4	ND	6.7	ND	8.2	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	1.8	ND	4.4	ND	1.8	ND	1.8	ND	1.8	ND	2.2	ND	1.8
2-BUTANONE	ND	5.5	ND	5.2	ND	5.5	ND	5.2	ND	5.5	ND	6.8	ND	5.5
2-HEXANONE	ND	7.6	ND	7.3	ND	7.6	ND	7.3	ND	7.6	ND	9.4	ND	7.6
3-CHLOROPROPENE	ND	2.9	ND	2.8	ND	2.9	ND	2.8	ND	2.9	ND	3.6	ND	2.9
4-METHYL-2-PENTANONE	ND	7.6	ND	7.3	ND	7.6	ND	7.3	ND	7.6	14	9.4	ND	7.6
ACETONE	27.8	4.4	127	4.2	10.2	4.4	46.4	4.2	4.7	4.4	52	5.4	20.8	4.4
BENZENE	1.2	0.59	1.3	0.57	ND	0.59	ND	1.1	ND	0.59	ND	1.5	0.6	0.59
BROMODICHLOROMETHANE	ND	2.5	ND	2.4	ND	2.5	ND	2.4	ND	2.5	ND	3.1	ND	2.5
BROMOFORM	ND	9.6	ND	9.2	ND	9.6	ND	3.7	ND	9.6	ND	4.7	ND	9.6
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.8	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.1	ND	1.2	ND	1.1	ND	1.2	ND	1.4	ND	1.2
CARBON TETRACHLORIDE	ND	1.2	ND	1.1	ND	1.2	ND	1.1	ND	1.2	ND	1.4	ND	1.2
CHLOROBENZENE	ND	1.7	ND	1.6	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7
CHLORODIBROMOMETHANE	ND	3.2	ND	3	ND	3.2	ND	3	ND	3.2	ND	3.9	ND	3.2
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.3	2.3	1.3	ND	1.3	ND	1.3	43.1	1.6	ND	1.3
CHLOROETHANE	ND	0.99	ND	0.94	ND	0.99	ND	0.94	ND	0.99	ND	1.2	ND	0.99
CHLOROFORM	23.6	0.91	12.4	0.87	1	0.91	32.6	1.7	13.4	0.91	30.9	2.2	22.2	0.91
CHLOROMETHANE	1.3	0.77	1.5	0.74	ND	0.77	1.7	0.74	ND	0.77	1.9	0.94	ND	0.77
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.5	2.4	1.4	ND	1.5	ND	1.8	ND	1.5
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7
CYCLOHEXANE	ND	1.3	1.3	1.2	ND	1.3	ND	1.2	ND	1.3	ND	1.6	ND	1.3
DICHLORODIFLUOROMETHANE	ND	1.8	3.1	1.8	ND	1.8	2.2	1.8	2.5	1.8	2.6	2.3	2.2	1.8
ETHYLBENZENE	ND	1.6	ND	1.5	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6
HEXACHLOROBUTADIENE	ND	4	ND	9.5	ND	4	ND	19	ND	4	ND	24.4	ND	4
HEXANE	2	1.3	11.9	1.3	ND	1.3	ND	1.3	ND	1.3	3	1.6	ND	1.3
ISOPROPANOL	117	4.6	50.1	4.4	ND	4.6	121	4.4	5.2	4.6	141	5.6	40.2	4.6
ISOPROPYLBENZENE	ND	4.6	ND	4.4	ND	4.6	ND	4.4	ND	4.6	ND	5.6	ND	4.6
M+P-XYLENES	ND	3.2	4.2	3.1	ND	3.2	ND	3.1	ND	3.2	ND	4	ND	3.2
METHYL ACETATE	ND	2.8	ND	2.7	ND	2.8	ND	2.7	ND	2.8	ND	2.6	ND	2.8
METHYL CYCLOHEXANE	ND	1.5	ND	1.4	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.4	ND	6.7	ND	6.4	ND	6.7	ND	8.2	ND	6.7
METHYLENE CHLORIDE	ND	6.5	626	8.3	ND	6.5	ND	6.2	ND	6.5	16.3	7.9	ND	6.5
O-XYLENE	ND	1.6	ND	1.5	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6
PENTAFLUOROETHYL CHLORIDE	ND	5.9	10.6	5.6	ND	5.9	54.6	5.6	ND	5.9	46.3	5.4	ND	5.9
STYRENE	ND	1.6	ND	1.5	ND	1.6	ND	1.5	ND	1.6	ND	2	ND	1.6
TETRACHLOROETHENE	4.2	1.3	ND	1.2	786	1.3	ND	1.2	19.9	1.3	ND	1.6	14.8	1.3
TOLUENE	2.8	1.4	8.3	1.3	ND	1.4	4.1	1.3	ND	1.4	12.7	1.7	1.6	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.5	ND	1.4	ND	1.5	ND	1.8	ND	1.5
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.7	ND	1.6	ND	1.7	ND	2.1	ND	1.7
TRICHLOROETHENE	1.3	1	ND	0.96	3.4	1	ND	0.96	91.1	1	ND	1.2	26	1
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2	ND	2.1	ND	2	3	2.1	ND	2.6	ND	2.1
VINYL CHLORIDE	ND	0.48	ND	0.46	ND	0.48	ND	0.46	ND	0.48	ND	0.58	ND	0.48

ND- Not Detected
MRL - Method Reporting Limit
"IA" denotes Indoor Air Samples
"SS" denotes Sub-Slab Samples

Table 1: Indoor Air and Sub-Slab Sampling Results for LA Fitness Building
March 8, 2016

Client ID	SS-E10_20160308DUP		IA-E16_20160308		SS-E16*_20160308		IA-G5_20160308		SS-G5*_20160308		IA-H21_20160308		SS-H21*_20160308		IA-Prop1_20160308		IA-Prop1_20160308DUP	
Lab Sample ID	10341033026		10341033017		10341033005		10341033018		10341033006		10341033019		10341033007		10341033020		10341033027	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 ug/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2	ND	1.9	ND	1.9	ND	2	ND	2.1	ND	1.9	ND	1.7	ND	2	ND	2
1,1,1,2,2-TETRACHLOROETHANE	ND	1.3	ND	1.2	ND	1.2	ND	1.3	ND	1.3	ND	1.2	ND	1	ND	1.3	ND	1.3
1,1,2-TRICHLOROETHANE	ND	1	ND	0.96	ND	0.96	ND	1	ND	1.1	ND	0.96	ND	0.82	ND	1	ND	1
1,1,2-TRICHLOROTRIFLUOROETHANE	ND	2.9	ND	2.8	ND	2.8	ND	2.9	ND	3.1	ND	2.8	29.4	2.4	ND	2.9	ND	2.9
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	5.8	ND	5.6	ND	5.6	ND	5.8	ND	6.1	ND	5.6	ND	4.7	ND	5.8	ND	5.8
1,1-DICHLOROETHANE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
1,1-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
1,1-DIFLUOROETHANE	8.2	2.5	10.2	2.4	9.5	2.4	19.8	2.5	19.6	2.6	10.1	2.4	ND	2	12.6	2.5	10.8	2.5
1,2,4-TRICHLOROBENZENE	ND	6.9	ND	6.6	ND	6.6	ND	6.9	ND	7.2	ND	6.6	ND	5.6	ND	6.9	ND	6.9
1,2,4-TRIMETHYLBENZENE	ND	4.6	ND	1.7	6.2	1.7	ND	1.8	ND	1.9	ND	1.7	ND	1.5	ND	4.6	ND	4.6
1,2-DIBROMO-3-CHLOROPROPANE	ND	9	ND	8.6	ND	8.6	ND	9	ND	9.4	ND	8.6	ND	7.3	ND	9	ND	9
1,2-DIBROMOETHANE	ND	2.9	ND	2.7	ND	2.7	ND	2.9	ND	3	ND	2.7	ND	2.3	ND	2.9	ND	2.9
1,2-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	ND	2.2	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2
1,2-DICHLOROETHANE	ND	0.75	ND	0.72	ND	0.72	ND	0.75	ND	0.79	ND	0.72	ND	0.61	ND	0.75	ND	0.75
1,2-DICHLOROPROPANE	ND	1.7	ND	1.6	ND	1.6	ND	1.7	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7
1,2-DICHLOROTETRAFLUROETHANE	ND	2.6	ND	2.5	ND	2.5	ND	2.6	ND	2.7	ND	2.5	ND	2.1	ND	2.6	ND	2.6
1,3,5-TRIMETHYLBENZENE	ND	4.6	ND	1.7	ND	1.7	ND	1.8	ND	1.9	ND	1.7	ND	1.5	ND	4.6	ND	4.6
1,3-BUTADIENE	ND	0.82	ND	0.79	ND	0.79	ND	0.82	ND	0.86	ND	0.79	ND	0.67	ND	0.82	ND	0.82
1,3-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	ND	2.2	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2
1,4-DICHLOROBENZENE	ND	2.2	ND	2.1	ND	2.1	ND	2.2	ND	2.3	ND	2.1	ND	1.8	ND	2.2	ND	2.2
1,4-DIOXANE	ND	6.7	ND	6.4	ND	6.4	ND	6.7	ND	7	ND	6.4	ND	5.5	ND	6.7	ND	6.7
1-ETHYL-4-METHYL BENZENE	ND	4.6	ND	1.8	2	1.8	ND	1.8	ND	1.9	ND	1.8	ND	1.5	ND	4.6	ND	4.6
2-BUTANONE	ND	5.5	ND	5.2	ND	5.2	11	5.5	ND	5.8	ND	5.2	5.8	4.5	ND	5.5	ND	5.5
2-HEXANONE	ND	7.6	ND	7.3	ND	7.3	ND	7.6	ND	8	ND	7.3	ND	6.2	ND	7.6	ND	7.6
3-CHLOROPROPENE	ND	2.9	ND	2.8	ND	2.8	ND	2.9	ND	3.1	ND	2.8	ND	2.4	ND	2.9	ND	2.9
4-METHYL-2-PENTANONE	ND	7.6	7.9	7.3	ND	7.3	ND	7.6	ND	8	ND	7.3	ND	6.2	ND	7.6	ND	7.6
ACETONE	14.5	4.4	37.7	4.2	89.5	4.2	39.3	4.4	38.8	4.6	35.1	4.2	14.5	3.6	36.5	4.4	31.5	4.4
BENZENE	ND	0.59	1.1	0.57	1.1	0.57	1.1	0.59	1.1	0.62	1.1	0.57	0.5	0.48	1	0.59	0.91	0.59
BROMODICHLOROMETHANE	ND	2.5	ND	2.4	ND	2.4	ND	2.5	ND	2.6	ND	2.4	ND	2	ND	2.5	ND	2.5
BROMOFORM	ND	9.6	ND	9.2	ND	9.2	ND	9.6	ND	10.1	ND	9.2	ND	7.8	ND	9.6	ND	9.6
BROMOMETHANE	ND	1.4	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.4	ND	1.2	ND	1.4	ND	1.4
CARBON DISULFIDE	ND	1.2	ND	1.1	3.1	1.1	ND	1.2	ND	1.2	ND	1.1	1.7	0.94	2.1	1.2	ND	1.2
CARBON TETRACHLORIDE	ND	1.2	ND	1.1	ND	1.1	ND	1.2	ND	1.2	ND	1.1	ND	0.95	ND	1.2	ND	1.2
CHLOROBENZENE	ND	1.7	ND	1.6	ND	1.6	ND	1.7	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7
CHLORODIBROMOMETHANE	ND	3.2	ND	3	ND	3	ND	3.2	ND	3.3	ND	3	ND	2.6	ND	3.2	ND	3.2
CHLORODIFLUOROMETHANE	ND	1.3	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3	12.1	1.1	ND	1.3	ND	1.3
CHLOROETHANE	ND	0.99	ND	0.94	ND	0.94	ND	0.99	ND	1	ND	0.94	ND	0.8	ND	0.99	ND	0.99
CHLOROFORM	15.8	0.91	24.4	0.87	20.1	0.87	32.5	0.91	31	0.95	20.5	0.87	2.1	0.74	31.1	0.91	29.5	0.91
CHLROMETHANE	ND	0.77	1.4	0.74	ND	0.74	ND	0.77	ND	0.81	1.2	0.74	ND	0.63	1.4	0.77	1.1	0.77
CIS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
CIS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.6	ND	1.7	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7
CYCLOHEXANE	ND	1.3	ND	1.2	2.5	1.2	ND	1.3	ND	1.3	ND	1.2	1.6	1	ND	1.3	1.4	1.3
DICHLORODIFLUOROMETHANE	2.2	1.8	2.6	1.8	ND	1.8	ND	1.8	2.3	1.9	2.4	1.8	2.3	1.5	ND	1.8	2.5	1.8
ETHYLBENZENE	ND	1.6	ND	1.5	ND	1.5	ND	1.6	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6
HEXACHLOROBUTADIENE	ND	9.9	ND	3.8	ND	3.8	ND	4	ND	4.2	ND	3.8	ND	3.3	ND	9.9	ND	9.9
HEXANE	ND	1.3	1.9	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3	8.8	1.1	ND	1.3	1.6	1.3
ISOPROPANOL	8.4	4.6	118	4.4	25.9	4.4	121	4.6	130	4.8	134	4.4	8.7	3.7	123	4.6	62.1	4.6
ISOPROPYLBENZENE	ND	4.6	ND	4.4	ND	4.4	ND	4.6	ND	4.8	ND	4.4	ND	3.7	ND	4.6	ND	4.6
M+P-XYLENES	ND	3.2	ND	3.1	5	3.1	ND	3.2	ND	3.4	ND	3.1	ND	2.6	ND	3.2	ND	3.2
METHYL ACETATE	ND	2.8	ND	2.7	ND	2.7	ND	2.8	ND	3	ND	2.7	ND	2.3	ND	2.8	ND	2.8
METHYL CYCLOHEXANE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
METHYL TERT-BUTYL ETHER	ND	6.7	ND	6.4	ND	6.4	ND	6.7	ND	7	ND	6.4	ND	5.5	ND	6.7	ND	6.7
METHYLENE CHLORIDE	ND	6.5	ND	6.2	ND	6.2	ND	6.5	ND	6.8	ND	6.2	30.7	5.3	ND	6.5	ND	6.5
O-XYLENE	ND	1.6	ND	1.5	3.1	1.5	ND	1.6	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6
PENTAFLUROETHYL CHLORIDE	17.3	5.9	ND	5.6	ND	5.6	ND	5.9	ND	6.2	ND	5.6	ND	4.8	26.8	5.9	22.2	5.9
STYRENE	ND	1.6	ND	1.5	2.5	1.5	ND	1.6	ND	1.7	ND	1.5	ND	1.3	ND	1.6	ND	1.6
TETRACHLOROETHENE	22.7	1.3	ND	1.2	306	1.2	ND	1.3	ND	1.3	ND	1.2	86.9	1	ND	1.3	ND	1.3
TOLUENE	ND	1.4	7.9	1.3	2.5	1.3	3.5	1.4	2.7	1.5	2.2	1.3	13.7	1.1	2.4	1.4	2.2	1.4
TRANS-1,2-DICHLOROETHENE	ND	1.5	ND	1.4	ND	1.4	ND	1.5	ND	1.6	ND	1.4	ND	1.2	ND	1.5	ND	1.5
TRANS-1,3-DICHLOROPROPENE	ND	1.7	ND	1.6	ND	1.6	ND	1.7	ND	1.8	ND	1.6	ND	1.4	ND	1.7	ND	1.7
TRICHLOROETHENE	38	1	ND	0.96	0.96	0.96	ND	1	ND	1.1	ND	0.96	1.2	0.82	ND	1	ND	1
TRICHLOROFLUOROMETHANE	ND	2.1	ND	2	ND	2	ND	2.1	ND	2.2	ND	2	2.3	1.7	ND	2.1	ND	2.1
VINYL CHLORIDE	ND	0.48	ND	0.46	ND	0.46	ND	0.48	ND	0.5	ND	0.46	ND	0.39	ND	0.48	ND	0.48

ND- Not Detected

MRL - Method Reporting Limit

"IA" denotes Indoor Air Samples

"SS" denotes Sub-Slab Samples

Table 1: Indoor Air and Sub-Slab Sampling Results for LA Fitness Building
March 8, 2016

Client ID	SS-Prop1_20160308		IA-Prop2_20160308		SS-Prop2_20160308		IA-Prop3_20160308		SS-Prop3_20160308		IA-Prop4_20160308		SS-Prop4_20160308	
Lab Sample ID	10341033008		10341033021		10341033009		10341033022		10341033010		10341033023		10341033011	
Sampling Date	03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016		03/08/2016	
Matrix	Air		Air		Air		Air		Air		Air		Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
AIR BY TO-15 ug/m3	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL	Result	MRL
1,1,1-TRICHLOROETHANE	ND	2.2	ND	1.9	ND	2	ND	2	ND	2.1	ND	1.9	ND	1.9
1,1,2,2-TETRACHLOROETHANE	ND	1.4	ND	1.2	ND	1.3	ND	1.3	ND	1.3	ND	1.2	ND	1.2
1,1,2-TRICHLOROETHANE	ND	1.1	ND	0.96	ND	1	ND	1	ND	1.1	ND	0.96	ND	0.92
1,1,2-TRICHLOROTRIFLUOROETHANE	6.1	3.2	ND	2.8	21.7	2.9	ND	2.9	34.3	3.1	ND	2.8	4.9	2.7
1,1-DICHLORO-2,2,2-TRIFLUOROETHANE	ND	6.4	ND	5.6	ND	5.8	ND	5.8	ND	6.1	ND	5.6	ND	5.3
1,1-DICHLOROETHANE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
1,1-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
1,1-DIFLUOROETHANE	7.1	2.8	9.9	2.4	7	2.5	12.6	2.5	ND	2.6	16.8	2.4	18.6	2.3
1,2,4-TRICHLOROBENZENE	ND	7.6	ND	6.6	ND	6.9	ND	6.9	ND	7.2	ND	6.6	ND	6.3
1,2,4-TRIMETHYLBENZENE	ND	2	ND	4.4	ND	1.8	ND	4.6	3.3	1.9	ND	4.4	6.3	1.7
1,2-DIBROMO-3-CHLOROPROPANE	ND	9.9	ND	8.6	ND	9	ND	9	ND	9.4	ND	8.6	ND	8.2
1,2-DIBROMOETHANE	ND	3.1	ND	2.7	ND	2.9	ND	2.9	ND	3	ND	2.7	ND	2.6
1,2-DICHLOROBENZENE	ND	2.5	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,2-DICHLOROETHANE	ND	0.82	ND	0.72	ND	0.75	ND	0.75	ND	0.79	ND	0.72	ND	0.69
1,2-DICHLOROPROPANE	ND	1.9	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.6
1,2-DICHLOROTETRAFLUOROETHANE	ND	2.9	ND	2.5	ND	2.6	ND	2.6	ND	2.7	ND	2.5	ND	2.4
1,3,5-TRIMETHYLBENZENE	ND	2	ND	4.4	ND	1.8	ND	4.6	ND	1.9	ND	4.4	ND	1.7
1,3-BUTADIENE	ND	0.9	ND	0.79	ND	0.82	ND	0.82	ND	0.86	ND	0.79	ND	0.76
1,3-DICHLOROBENZENE	ND	2.5	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,4-DICHLOROBENZENE	ND	2.5	ND	2.1	ND	2.2	ND	2.2	ND	2.3	ND	2.1	ND	2
1,4-DIOXANE	ND	7.4	ND	6.4	ND	6.7	ND	6.7	ND	7	ND	6.4	ND	6.1
1-ETHYL-4-METHYL BENZENE	ND	2	ND	4.4	ND	1.8	ND	4.6	ND	1.9	ND	4.4	ND	1.7
2-BUTANONE	ND	6	ND	5.2	5.6	5.5	ND	5.5	ND	5.8	ND	5.2	ND	5
2-HEXANONE	ND	8.4	ND	7.3	ND	7.6	ND	7.6	ND	8	ND	7.3	ND	7
3-CHLOROPROPENE	ND	3.2	ND	2.8	ND	2.9	ND	2.9	ND	3.1	ND	2.8	ND	2.7
4-METHYL-2-PENTANONE	ND	8.4	ND	7.3	ND	7.6	ND	7.6	ND	8	ND	7.3	ND	7
ACETONE	266	4.9	32.8	4.2	68.9	4.4	34.1	4.4	44.5	4.6	37.1	4.2	29.1	4.1
BENZENE	1.1	0.65	0.99	0.57	0.96	0.59	1.1	0.59	ND	0.62	1.1	0.57	1.3	0.55
BROMODICHLOROMETHANE	ND	2.7	ND	2.4	ND	2.5	ND	2.5	ND	2.6	ND	2.4	ND	2.3
BROMOFORM	ND	10.6	ND	9.2	ND	9.6	ND	9.6	ND	10.1	ND	9.2	ND	8.8
BROMOMETHANE	ND	1.6	ND	1.4	ND	1.4	ND	1.4	ND	1.5	ND	1.4	ND	1.3
CARBON DISULFIDE	ND	1.3	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	2	1.1
CARBON TETRACHLORIDE	ND	1.3	ND	1.1	ND	1.2	ND	1.2	ND	1.2	ND	1.1	ND	1.1
CHLOROBENZENE	ND	1.9	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.6
CHLORODIBROMOMETHANE	ND	3.5	ND	3	ND	3.2	ND	3.2	ND	3.3	ND	3	ND	2.9
CHLORODIFLUOROMETHANE	ND	1.4	ND	1.3	ND	1.3	ND	1.3	ND	1.4	ND	1.3	45.9	1.2
CHLOROETHANE	ND	1.1	ND	0.94	ND	0.99	ND	0.99	ND	1	ND	0.94	ND	0.91
CHLOROFORM	26.6	1	21.7	0.87	15.5	0.91	25.9	0.91	124	0.95	29.1	0.87	4.7	0.83
CHLOROMETHANE	ND	0.84	1.2	0.74	0.9	0.77	1.4	0.77	ND	0.81	ND	0.74	1.2	0.71
CIS-1,2-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
CIS-1,3-DICHLOROPROPENE	ND	1.8	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.5
CYCLOHEXANE	ND	1.4	ND	1.2	ND	1.3	ND	1.3	ND	1.3	ND	1.2	1.7	1.2
DICHLORODIFLUOROMETHANE	ND	2	2.3	1.8	1.9	1.8	2.3	1.8	ND	1.9	2.4	1.8	2.9	1.7
ETHYLBENZENE	ND	1.8	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.5	1.6	1.5
HEXACHLOROBUTADIENE	ND	4.4	ND	9.5	ND	4	ND	9.9	ND	4.2	ND	9.5	ND	3.7
HEXANE	ND	1.4	2.6	1.3	ND	1.3	2	1.3	ND	1.4	2.2	1.3	16.9	1.2
ISOPROPANOL	87.3	5	113	4.4	109	4.6	126	4.6	22.5	4.8	108	4.4	ND	4.2
ISOPROPYLBENZENE	ND	5	ND	4.4	ND	4.6	ND	4.6	ND	4.8	ND	4.4	ND	4.2
M+P-XYLENES	ND	3.6	ND	3.1	ND	3.2	ND	3.2	ND	3.4	ND	3.1	6.8	3
METHYL ACETATE	ND	3.1	ND	2.7	ND	2.8	ND	2.8	ND	3	ND	2.7	ND	2.6
METHYL CYCLOHEXANE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
METHYL TERT-BUTYL ETHER	ND	7.4	ND	6.4	ND	6.7	ND	6.7	ND	7	ND	6.4	ND	6.2
METHYLENE CHLORIDE	ND	7.1	ND	6.2	ND	6.5	ND	6.5	ND	6.8	10.2	6.2	103	5.9
O-XYLENE	ND	1.8	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.5	2.6	1.5
PENTAFLUOROETHYL CHLORIDE	ND	6.5	20.5	5.6	ND	5.9	26.7	5.9	ND	6.2	36.1	5.6	ND	5.4
STYRENE	ND	1.7	ND	1.5	ND	1.6	ND	1.6	ND	1.7	ND	1.5	ND	1.5
TETRACHLOROETHENE	242	1.4	ND	1.2	3.6	1.3	ND	1.3	105	1.3	ND	1.2	43.2	1.2
TOLUENE	3	1.5	2	1.3	4.9	1.4	3	1.4	1.8	1.5	6.8	1.3	9.7	1.3
TRANS-1,2-DICHLOROETHENE	ND	1.6	ND	1.4	ND	1.5	ND	1.5	ND	1.6	ND	1.4	ND	1.4
TRANS-1,3-DICHLOROPROPENE	ND	1.8	ND	1.6	ND	1.7	ND	1.7	ND	1.8	ND	1.6	ND	1.5
TRICHLOROETHENE	6.5	1.1	ND	0.96	2	1	ND	1	5.7	1.1	ND	0.96	14.8	0.92
TRICHLOROFLUOROMETHANE	ND	2.3	ND	2	ND	2.1	ND	2.1	2.6	2.2	ND	2	1.9	1.9
VINYL CHLORIDE	ND	0.52	ND	0.46	ND	0.48	ND	0.48	ND	0.5	ND	0.46	ND	0.44

ND- Not Detected
MRL - Method Reporting Limit
"IA" denotes Indoor Air Samples
"SS" denotes Sub-Slab Samples

APPENDIX I—COMMUNICATION FROM NYSDEC

From: [Desai, Girish V \(DEC\)](#)
To: [Mellott, Dallas](#)
Cc: [Phillips, Robert S](#); [Rich, Peter](#); [Glynn, William](#); [Jones, Nathan E](#); [Ockerby, Renata E \(HEALTH\)](#)
Subject: RE: Draft LA Fitness Tenant Letters
Date: Friday, May 13, 2016 9:33:25 AM
Attachments: [image001.png](#)
[image002.png](#)
[Draft LA Fitness Letter for WinthropDOH05122016 \(2\).docx](#)
[Draft LA Fitness Tenant LetterDOH05122016.docx](#)

Dallas,
The New York State Departments of Environmental Conservation (Department) and Health (NYSDOH) have reviewed the draft tenant letters for the above referenced site and offer the following comments below and also edits are provided on the attached draft letters.

- 1) Based on her comparison of the March 2016 sub-slab soil vapor to the indoor air data, a total of six locations require monitoring. Specifically:

SS-C20
SS-E16
SS-P1 (Prop1)
Ss-P3 (prop3)
SS-C1
SS-D7

- 2) In lieu of monitoring (potentially on an annual basis), the option for a mitigation system can be evaluated.
- 3) In the past cracks were developed in the floors of LA Fitness facility and were fixed. Floors and permanent sampling points should be inspected for leaks.

Please submit revised letters to the NYSDOH and the Department for review.

Girish Desai, P.E.

Project Manager

Division of Environmental Remediation

New York State Department of Environmental Conservation

50 Circle Road, SUNY@Stony Brook

Stony Brook, NY 11790-3409

P: (631) 444-0243 | F: (631) 444-0248 | girish.desai@dec.ny.gov

www.dec.ny.gov |  | 

From: Mellott, Dallas [<mailto:Dallas.Mellott@tetrattech.com>]

Sent: Monday, May 09, 2016 10:16 AM

To: Desai, Girish V (DEC)

Cc: Phillips, Robert S; Rich, Peter; Glynn, William; Jones, Nathan E.

Subject: RE: Draft LA Fitness Tenant Letters

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Girish, I'm finishing it up now. I will have it to you by noon. Thank you.

From: Desai, Girish V (DEC) [<mailto:girish.desai@dec.ny.gov>]
Sent: Monday, May 09, 2016 10:15 AM
To: Mellott, Dallas <Dallas.Mellott@tetrattech.com>
Cc: Phillips, Robert S <robert.s.phillips@lmco.com>; Rich, Peter <Peter.Rich@tetrattech.com>; Glynn, William <GlynnWK@cdmsmith.com>; Jones, Nathan E. <JonesNE@cdmsmith.com>
Subject: RE: Draft LA Fitness Tenant Letters

Dallas,

As per our phone conversations, please provide spider diagram of LA Fitness SVI sampling.

Girish Desai, P.E.

Project Manager

Division of Environmental Remediation

New York State Department of Environmental Conservation

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From: Mellott, Dallas [<mailto:Dallas.Mellott@tetrattech.com>]
Sent: Thursday, May 05, 2016 2:06 PM
To: Desai, Girish V (DEC)
Cc: Phillips, Robert S; Rich, Peter; Glynn, William; Jones, Nathan E.
Subject: Draft LA Fitness Tenant Letters

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Girish,

Attached you will find the draft tenant letters for the LA Fitness sampling event. One letter is addressed to LA Fitness and the other letter is addressed to Winthrop Management. I have included the tables and figures for each of these submittals to designate which letter they correspond. The data is being validated at this time.

I have also included a copy of a recent leak test field form performed at SS-C20 in LA Fitness. The results of that leak test indicate the point is competent and no leaks were found.

Please review and let me know if you have questions or comments. Please also advise if you would like me to forward this information to NYSDOH directly.

Thank you,

Dallas

Dallas Mellott | Senior Project Geologist

Main: 610-337-7660 | Cell: 908-461-4536 | Fax 610-337-7659

Tetra Tech

234 Mall Boulevard, Suite 260, King of Prussia, PA 19406