



January 30, 2020

Indiana Department of Environmental Management
Office of Land Quality – State Cleanup Section
100 N. Senate Avenue
IGCN, Room 1101
Indianapolis, Indiana 46204-2251
Attention: Tim Johnson

**RE: Status Report for Sampling Event #1
Supplemental Vapor Intrusion Investigation
Hurricane Road Industrial Development, LLC
Indiana Gymnastics Center Building
1130 Eastview Drive
Franklin, Indiana
IDEM Site Identification Number 2013-34567
Patriot Project Number 19-1979-01E**

Dear Mr. Johnson:

On behalf of Hurricane Road Industrial Development, LLC (HRID), Patriot Engineering and Environmental, Inc. (Patriot) is pleased to submit this status report for the Supplemental Vapor Intrusion (VI) Investigation conducted at the Indiana Gymnastics Center building (Gymnastics Building) located on the HRID property at 1130 Eastview Drive in Franklin, Indiana (the Site). This work was conducted in response to a request from the Indiana Department of Environmental Management (IDEM) to conduct additional VI sampling at the Site.

This status report summarizes the investigation activities and results of the VI Sampling Event #1 performed at the Site in January 2020. Additional VI sampling events will be performed at the Site in February and March 2020 and a final report for the Supplemental VI Investigation will be prepared and issued to IDEM following completion of the three VI sampling events.

PROJECT BACKGROUND

Investigations performed at the HRID property have revealed the presence of volatile organic compounds (VOCs) in soil and groundwater. The chemicals of concern (COCs) present at the HRID property are primarily the VOCs tetrachloroethene (PCE) and trichloroethene (TCE), with lesser amounts of cis-1,2-dichloroethene (cis-1,2-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE). Other VOCs, including methylene chloride and chloroform, have been reported sporadically in a small number of groundwater

samples and at very low concentrations, and are not considered COCs for the Site. Previous VI investigations conducted at the Site in December 2017 and August 2019 involved the collection of two exterior soil gas samples and one indoor air sample. The analytical data from the indoor air samples revealed the presence of naphthalene in the August 2019 sample at a concentration above the IDEM Remediation Closure Guide (RCG) Commercial/Industrial Indoor Air Vapor Exposure Screening Level (IASL) and several other VOCs at concentrations below the RCG Residential and Commercial/Industrial IASLs. The analytical data from the exterior soil gas samples revealed the presence of several VOCs, all of which were below the Residential and Commercial/Industrial Shallow Soil Gas Screening Levels. Based on these data, it did not appear that VI was occurring in the Gymnastics Building but additional investigation was recommended to document whether VI is occurring or if a source of indoor air impacts is associated with operations in the building.

SITE DESCRIPTION

The HRID property contains five primary buildings including the Gymnastics Building, which is also referred to as Building 3 in previous VI investigation reports. The Gymnastics Building is approximately 10,000 square feet in size and is occupied by a gymnastics center (lessons and training). The building is open except for an office, lobby and seating/viewing area on the southeast side of the building and a restroom on the south-central portion of the building. The location and layout of the building is shown on the Sample Location Map included as Figure 1 in Attachment A.

INVESTIGATION METHODOLOGY

The VI Sampling Event #1 was performed in the Gymnastics Building on January 6 and January 7, 2020 and consisted of the collection and analysis of two paired indoor air / sub-slab soil vapor samples and one additional indoor air sample at the locations shown on Figure 1. Prior to collecting the samples, a VI Indoor Air Building Survey Checklist was completed to identify building conditions that may be contributing to vapor intrusion, identify potential outside contaminant sources, and identify chemicals or products that are potential indoor sources of indoor air impacts. A copy of the Indoor Air Building Survey Checklist is included in Attachment B.

The sub-slab soil vapor samples were collected using Cox Colvin Vapor Pins[®] (vapor pins) equipped with tamper-proof, flush-mounted covers that had been installed in January 2020 prior to conducting VI Sampling Event #1. The vapor pins were inspected prior to sampling to ensure they had not been damaged or otherwise compromised and were leak tested using the mechanical “water dam” method. After testing, a section of Teflon tubing was attached to the vapor pin and the system was purged of ambient air using a hand pump. The Teflon tubing was then attached to a batch-certified 6-liter

Summa canister, the sampling train was leak-checked, and the pre-calibrated flow controller was opened to collect an approximately 24-hour sample. The paired indoor air samples were collected by placing a batch-certified 6-liter Summa canister in proximity to each sub-slab sample and opening the pre-calibrated flow controller to obtain an approximately 24-hour sample. Indoor air samples IA-2 and IA-3 were collected from within the open building while indoor air sample IA-1 was collected in the closed restroom and supply room in the south-central portion of the building.

At each sampling location, the identification numbers of the Summa canister and flow controller were recorded on a field log, along with the sampling start time and the initial Summa canister vacuum. At the completion of sampling the flow controller was closed, and the sampling end time and vacuum of the canister were recorded. The samples were shipped to Pace Analytical Services in Minneapolis, Minnesota for VOC analysis using U.S. EPA Method TO-15. Quality assurance / quality control (QA/QC) procedures included the collection and analysis of one duplicate sample (DUP-A) from the location of sub-slab soil vapor sample SS-2. Field data sheets for the VI sampling are included in Attachment B.

FINDINGS

The laboratory analytical results for analytes detected in the various samples are summarized in Table 1 in Attachment C, and the laboratory analytical report is provided in Attachment D. Analysis of the VI samples revealed detectable concentrations of several VOCs in each of the samples. Several of the analytical data are marked with a "J" qualifier, which means the stated value is an estimated concentration above the adjusted method detection limit (MDL) and below the adjusted laboratory reporting limit (RL). The analytical results for the indoor air samples were compared to the RCG Residential and Commercial/Industrial (IASLs). The analytical results for the sub-slab vapor samples were compared to the RCG Residential and Commercial/Industrial Soil Gas Sub-Slab Screening levels (SGSSLs), which were derived by dividing the RCG IASLs by an attenuation factor of 0.03 as listed in Table 6-1 of the U.S. EPA vapor intrusion guidance document (OSWER Publication 9200.2-154 dated June 2015).

Indoor Air Sample Results

Detectable concentrations of the COC TCE were reported in all three of the indoor air samples and the COC PCE was detected in one of the indoor air samples as discussed below:

- TCE was reported at concentrations ranging from 0.79 to 1.3 micrograms per cubic meter (ug/m^3) in the three samples collected at the Site, all of which were below the RCG Residential and Commercial/Industrial IASLs of 2.1 and 8.8 ug/m^3 , respectively.

- PCE was reported in one sample at a concentration of 0.59 ug/m³, which is below the RCG Residential and Commercial/Industrial IASLs of 42 and 180 ug/m³, respectively.

As shown on Table 2, several other non-COC VOCs were reported in the indoor air samples at concentrations well below their RCG Residential IASLs. The adjusted MDLs for the following compounds were greater than the RCG Residential IASLs but were below the RCG Commercial/Industrial IASLs in one or more samples: 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,2,4 trichlorobenzene, benzyl chloride, hexachloro-1,3,-butadiene, and naphthalene. Since the adjusted MDLs are below the RCG Commercial/Industrial IASLs and these compounds were not detected in the sub-slab soil vapor samples as described below, these compounds are not considered to be a concern at the Site.

Sub-Slab Vapor Sample Results

Detectable concentrations of the COCs TCE and PCE were reported in both of the sub-slab soil vapor samples as discussed below:

- TCE was reported at concentrations of 5.8 ug/m³ in sample SS-1 and 263 ug/m³ in sample SS-2. The reported TCE concentration in sample SS-1 did not exceed the RCG Residential and Commercial/Industrial SGSSLs of 70 and 293 ug/m³, respectively. The reported TCE concentration in sample SS-2 exceeds the RCG Residential SGSSL but is below the RCG Commercial/Industrial SGSSL.
- PCE was reported at concentrations of 1.2 ug/m³ in sample SS-1 and 43.3 ug/m³ in the duplicate sample from SS-2. The reported PCE concentrations are below RCG Residential and Commercial/Industrial SGSSLs of 1,400 and 6,000 ug/m³, respectively.

As shown on Table 2, several other non-COC VOCs were reported in the sub-slab soil vapor samples at concentrations well below their RCG Residential SGSSLs.

CONCLUSIONS

No VOCs exceeded the RCG Residential and Commercial/Industrial IASLs in any of the three indoor air samples collected at the Gymnastics Building on the HRID property in Franklin, Indiana. TCE exceeded the RCG Residential SGSSL in one of the two sub-slab soil vapor samples collected at the Gymnastics Building but did not exceed the Commercial/Industrial SGSSL. No other VOCs exceeded the RCG Residential or Commercial/Industrial SGSSLs.

If you have questions or comments regarding this report, or require any additional information, please do not hesitate to contact Mike Casper at mcasper@patrioteng.com or at (317) 576-8058.

Very truly yours,

Patriot Engineering and Environmental, Inc.



James J. Cody
Project Manager
Environmental Group



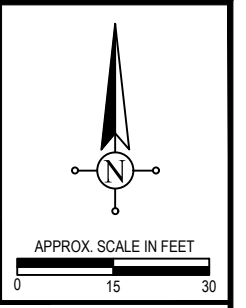
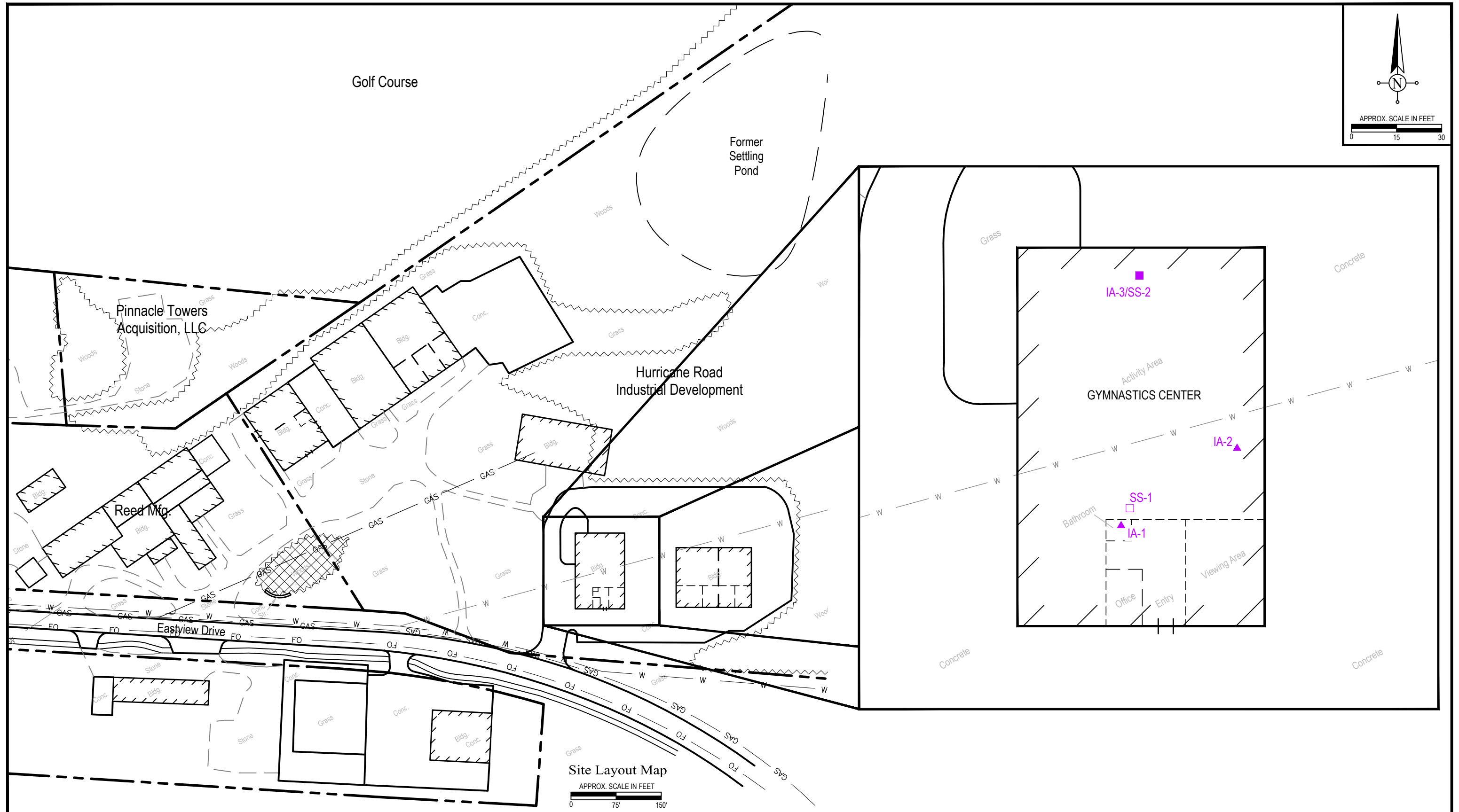
Michael F. Casper, LPG
Principal
Chief Environmental Consultant

Attachments

cc: Mr. Greg Cafouros, Kroger Gardis & Regas. LLP

ATTACHMENT A

FIGURES



Site Layout Map
APPROX. SCALE IN FEET
0 75 150'



LEGEND	
	Parcel Line
	Clawson Property Boundary
	Water Line
	Gas Line
	Fiber Optic Line
	Indoor Air Sample Location
	Sub-Slab Vapor Sample Location
	Paired Indoor Air and Sub-Slab Vapor Sample Location
	Wooded area with fill and debris

Project: Former Houghland Tomato Cannery 1130 E. Eastview Drive Franklin, Indiana IDEM Identification No. 2013-42015	
Project Number: 19-1979-01E	Drawn By: J. DuMond
Date: January 28, 2020	Approved: J. Cody
	DWG: 19-1979-01_Ph2

Figure 1
Gymnastics Center
Sample Location Map

ATTACHMENT B

**INDOOR AIR BUILDING SURVEY CHECKLIST
and
VAPOR INTRUSTION FIELD DATA SHEETS**

~~_____~~ ~~_____~~
~~_____~~ ~~_____~~



INDOOR AIR BUILDING SURVEY CHECKLIST

Preparer's Name: JAMES COOY Date: 1/3/2020

Preparer's Affiliation: PATRIOT ENGINEERING Phone #: 317 558 5024

Site Name: HOUGHTLAND CANNING Site # _____

Site Address (include city and zip): INDIANA GYMNASTICS CENTER

Part I – Occupants

List of Current Occupants/Occupation (include children)

Name (Age)	Address: (Lot # or apt. #)	Sex (M/F)	Occupation
John Doe (42)	112 South St. Lot # 12	M	geologist

Part II – Building Characteristics

Building type: residential / multi-family residential / office / strip mall / commercial / industrial / other

Describe building: WAREHOUSE USED AS GYMNASTIC CENTER Year constructed: UNKNOWN

Sensitive population: day care / nursing home / hospital / school / other (specify): GYMNASTIC CENTER FOR CHILDREN

Number of floors at or above grade: 1

Number of floors below grade: 0 (full basement / crawl space / slab on grade)

Depth of basement below grade surface: NA ft. Basement size: _____ ft²

Basement floor construction: concrete / dirt / slab / stone / other (specify): NA

Foundation walls: poured concrete / cinder blocks / stone / other (specify): _____

Basement sump present? *Yes / No* Sump pump? *Yes / No* Water in sump? *Yes / No* NA

Significant cracks present in basement floor? *Yes / No* No

Significant cracks present in basement walls? *Yes / No*

Are the basement walls or floor sealed with waterproof paint or epoxy coatings? *Yes / No*

Is there a whole house fan? *Yes / No*

Septic system? *Yes / Yes (but not used) / No* No

Irrigation/private well? *Yes / Yes (but not used) / No* No

Type of ground cover outside of building: grass concrete / asphalt / other (specify) _____

Sub-slab vapor/moisture barrier in place? *Yes / No / Don't know* No
Type of barrier: _____

Type of heating system (circle all that apply):
hot air circulation hot air radiation wood steam radiation
heat pump hot water radiation kerosene heater electric baseboard
other (specify): _____

Type of ventilation system (circle all that apply):
central air conditioning mechanical fans bathroom ventilation fans
individual air conditioning units kitchen range hood fan outside air intake
other (specify): _____

Type of fuel utilized (circle all that apply):
Natural gas / electric / fuel oil / wood / coal / solar / kerosene / other (specify): _____

Part III – Outside Contaminant Sources

Contaminated site within 50-ft (BTEX) or 100-ft (Chlorinated)? YES

If yes: Site Name: HOUGHLAND Site Number: _____
CANNING

Other stationary sources nearby (gas stations, emission stacks, etc.): NO

Heavy vehicular traffic nearby (or other mobile sources): EASTVIEW DRIVE

Part IV – Indoor Contaminant Sources

Identify all potential indoor sources found in the building (including attached garages), the location of the source (floor & room), and whether the item was removed from the building 48 hours prior to the indoor air sampling event. Any ventilation implemented after removal of the items should be completed at least 24 hours prior to the start of the indoor air sampling event.

Potential Sources	Location (s)	Removed (Yes / No / NA)
Gasoline storage cans		
Gas-powered equipment (mowers, etc)		
Kerosene storage cans		
Paints / thinners / strippers		
Cleaning solvents		
Oven cleaners		
Carpet / upholstery cleaners		
Other house cleaning products		
Moth balls		
Polishes / waxes		
Insecticides		
Furniture / floor remover		
Nail polish / polish remover		
Hairspray		
Cologne / perfume		
Air fresheners		
Fuel tank (inside building)		NA
Wood stove or fireplace		NA
New Furniture / upholstery		
New carpeting / flooring		NA
Hobbies – glues, paints, lacquers, photographic darkroom chemicals, etc		
Scented trees, wreaths, potpourri, etc.		
Other (specify):		

Part V – Miscellaneous Items

Do any occupants of the building smoke? Yes No How often? _____

Last time someone smoked in the building? _____ hours / days ago

Does the building have an attached garage directly connected to living space? Yes No

If so, is a car usually parked in the garage? Yes / No

Are gas-powered equipment or cans of gasoline/fuels stored in the garage? Yes / No

Do the occupants of the building have their clothes dry cleaned? Yes No

If yes, how often? Weekly / monthly / 3-4 times a year

When was the last dry cleaned garment brought home? _____

Do any of the occupants use solvents in work? Yes No

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Yes / No

Have any pesticides/herbicides been applied around the building or in the yard? Yes No

If so, when and which chemicals? _____

Has there ever been a fire in the building? Yes No If yes, when? _____

Has painting or staining been done in the building in the last 6 months? Yes / No

If yes, when? Yes and where? _____

Part VI – Sampling Information

Company/Consultant: PATRIOT ENGINEERING Phone number: () -

Sample Source: Indoor Air / Sub-Slab / Near Slab Soil Gas / Exterior Soil Gas

Sampler Type: 400 mL – 1.0 L Summa Canister / 6 L Summa Canister / Other (specify): _____

Analytical Method: TO-14A / TO-15 / TO-15 SIM / other: _____

Laboratory: PACE ANALYTICAL

Sample locations (floor, room):

Field/Sample ID# SEE FIELD DATA SHEETS Field/Sample ID # _____

Field/Sample ID# _____ Field/Sample ID # _____

Field/Sample ID# _____ Field/Sample ID # _____

Were “Instructions for Occupants” followed? Yes / No

If not, describe modifications: _____

Provide Drawing of Sample Location (s) in Building



Part VII – Metrological Conditions

Was there significant precipitation within 12 hours prior to (or during) the sampling event?

Yes No

Describe the general weather conditions: COLD 37° DRY

Part VIII – General Observations

Provide any information that may be pertinent to the sampling event and may assist in the data interpretation process.

Recommended Instructions for Residents

The following is a suggested list for residents to follow (to the extent practical) in order to reduce interference in obtaining representative samples. IDEM suggests that these items be followed starting at least 48 hours prior to and during the sampling event.

- Do not open windows, fireplace opening or vents
- Do not keep doors open.
- Do not operate ventilation fans.
- Do not use air fresheners or odor eliminators.
- Do not smoke in the house to the extent practical.
- Do not use wood stoves, fireplace or auxiliary heating equipment (e.g., kerosene heater)
- Do not use paints or varnishes.
- Do not use cleaning products (e.g., bathroom cleaners, furniture polish, appliance cleaners, and floor cleaners).
- Do not use cosmetics, including hair spray, nail polish, nail polish remover, perfume, etc.
- Do not partake in indoor hobbies that use solvents.
- Do not apply pesticides.
- Do not store containers of gasoline, oil or petroleum-based or other solvents within the house or attached garage (except for fuel oil tanks).
- Do not operate or store automobiles in an attached garage.



**PATRIOT ENGINEERING
and ENVIRONMENTAL, Inc.**

Engineering Value for Project Success

VIA Field Sampling Data Sheet

Date: 1/6/2020 - 1/7/2020 Sampler Name: JAMES COOY

VIA Sampling Location/Address: GYMNASIUM ~~BUILDING~~ CENTER

Sample ID: IA-1

Sample Location: BATHROOM

Type of Sample (sub-slab/exterior soil gas/indoor air/outside air): INDOOR AIR

Type of Sample Container: 6L SUMMA

Weather Conditions at Time of Sampling: DDY 370

Leak Testing Before Sampling?: YES

Well Purged Prior to Sampling?: NA

Sample Start Time: 15:39

Vacuum Reading of Sample Can at Start of Sampling: -29

Sample End Time: 14:18

Vacuum Reading of Sample Can at End of Sampling: -4

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? NO



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VIA Field Sampling Data Sheet

Date: 11/6/2020-11/7/2020 Sampler Name: JAMES COOY

VIA Sampling Location/Address: GYMNASIICS CENTER

Sample ID: IA-2

Sample Location: SOUTHERN PORTION OF GYM

Type of Sample (sub-slab/exterior soil gas/indoor air/outside air): INDOOR AIR

Type of Sample Container: 6L SUMMA

Weather Conditions at Time of Sampling: DRY 370

Leak Testing Before Sampling?: YES

Well Purged Prior to Sampling?: N/A

Sample Start Time: 15:40

Vacuum Reading of Sample Can at Start of Sampling: -30

Sample End Time: 14:19

Vacuum Reading of Sample Can at End of Sampling: -5

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? NO



VIA Field Sampling Data Sheet

Date: 11/6/2020 - 11/7/2020 Sampler Name: JAMES CODY

VIA Sampling Location/Address: GYMNASTICS CENTER

Sample ID: IA-3

Sample Location: CLOSE TO NORTHERN BUILDING WALL

Type of Sample (sub-slab/exterior soil gas/indoor air/outside air): INDOOR AIR

Type of Sample Container: 6L SUMMA

Weather Conditions at Time of Sampling: DRY 370

Leak Testing Before Sampling?: YES

Well Purged Prior to Sampling?: N/A

Sample Start Time: 15:45

Vacuum Reading of Sample Can at Start of Sampling: -30

Sample End Time: 14:27

Vacuum Reading of Sample Can at End of Sampling: -5.5

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? NO



VIA Field Sampling Data Sheet

Date: 11/6/2020 - 11/7/2020 Sampler Name: JAMES COOY

VIA Sampling Location/Address: GYMNASTICS CENTER

Sample ID: SS-1

Sample Location: IN FRONT OF BATHROOM

Type of Sample (sub-slab/exterior soil gas/indoor air/outside air): SUBSLAB

Type of Sample Container: 6L SUMMA

Weather Conditions at Time of Sampling: DRY 37°

Leak Testing Before Sampling?: YES

Well Purged Prior to Sampling?: YES

Sample Start Time: 15:40

Vacuum Reading of Sample Can at Start of Sampling: -28

Sample End Time: 14:16

Vacuum Reading of Sample Can at End of Sampling: -5

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? NO



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and ENVIRONMENTAL, Inc.**

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VIA Field Sampling Data Sheet

Date: 11/6/2020-11/7/2020 Sampler Name: JAMES CODY

VIA Sampling Location/Address: GYMNASTICS CENTER

Sample ID: SS-2

Sample Location: CLOSE TO NORTH BUILDING WALL

Type of Sample (sub-slab/exterior soil gas/indoor air/outside air): SUBSLAB

Type of Sample Container: 6L SUMMA

Weather Conditions at Time of Sampling: DRY 370

Leak Testing Before Sampling?: YES

Well Purged Prior to Sampling?: YES

Sample Start Time: 15:41

Vacuum Reading of Sample Can at Start of Sampling: -29

Sample End Time: 14:20

Vacuum Reading of Sample Can at End of Sampling: -5

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? YES -29 -7 -5

ATTACHMENT C

ANALYTICAL DATA SUMMARY TABLE

TABLE 1
SUMMARY OF VAPOR INTRUSION LABORATORY ANALYTICAL RESULTS
HURRICANE ROAD INDUSTRIAL DEVELOPMENT - INDIANA GYMNASTICS CENTER BUILDING
FRANKLIN, INDIANA
PATRIOT PROJECT No: 19-1979-01E

Sample Identification	Date Collected																						
		1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Propanol	Acetone	Benzene	Chloromethane	Cyclohexane	Dichlorodifluoromethane	Ethanol	Ethyl acetate	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	m&p-Xylene	n-Heptane	n-Hexane	o-Xylene	All Remaining VOCs
Indoor-Air																							
IA-1	01/07/2020	<0.73	<0.64	2.6 J	15.4	28	0.94	0.98	<0.57	3	405	2.8	<0.49	7.7	0.59 J	3.2	0.79 J	1.7 J	1.4 J	0.62 J	1.3	<0.55	BRL
IA-2	01/07/2020	<0.73	<0.64	2.1 J	10.2	26.6	0.79	0.7	<0.57	2.4	124	<0.31	<0.49	5.4 J	<0.51	3.2	1.1	1.5 J	<1.1	<0.61	0.91 J	<0.55	BRL
IA-3	01/07/2020	<0.70	<0.62	3.0 J	10.6	29.8	0.8	0.85	<0.55	2.6	120	<0.29	<0.47	2.8 J	<0.49	3.4	1.3	1.7 J	1.2 J	<0.59	0.84 J	<0.53	BRL
IDEM RCG Residential Indoor Air VESLs		63	63	5,200	210	32,000	3.6	94	6,300	100	NE	73	11	630	42	5,200	2.1	NE	NE	420	730	100	Varies
IDEM RCG Industrial Indoor Air VESLs		260	260	22,000	880	140,000	16	390	26,000	440	NE	310	49	2,600	180	22,000	8.8	NE	NE	1,800	3,100	440	Varies
Sub-Slab Soil Vapor																							
SS-1	01/07/2020	2.3	1.0 J	3.6 J	30.8	113	1.9	<0.24	1.8 J	3	787	2.4	2.2	5.6	1.2	8.6	5.8	1.5 J	9.6	2.9	5.1	3	BRL
SS-2	01/07/2020	2.8	1.0 J	3.5 J	22	81.3	3.5	<0.24	4.3	3	447	2.1	2.9	4.4 J	42.6	11.6	263	1.5 J	11.4	5.2	5.2	3.4	BRL
DUP (SS-2)		2.9	1.2 J	3.3 J	22	78.5	3.7	<0.24	4.4	2.9	454	2	2.9	5.5	43.3	10.9	254	1.4 J	11.5	4.8	5.5	3.7	BRL
IDEM RCG Residential SGSSLs		2,100	2,100	173,333	7,000	1,066,667	120	3,133	210,000	3,333	NE	2,433	367	21,000	1,400	173,333	70	NE	NE	14,000	24,333	3,333	Varies
IDEM RCG Industrial SGSSLs		8,667	8,667	733,333	29,333	4,666,667	533	13,000	866,667	14,667	NE	10,333	1,633	86,667	6,000	733,333	293	NE	NE	60,000	103,333	14,667	Varies

Notes

All results reported in micrograms per meter cubed (ug/m3)

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit

- BOLD** = Constituent detected above Laboratory Reporting Limit
- BOLD** = Constituent detected above IDEM RCG Residential VESL's
- BOLD** = Constituent detected above IDEM RCG Industrial VESL's

NE = No Screening Level Established for Constituent

IDEM = Indiana Department of Environmental Management

RCG = Remediation Closure Guide

VESL = Vapor Exposure Screening Level

SGSSL = Soil Gas Sub-slab Screening Level obtained by dividing Indoor Air VESLs by an attenuation factor of 0.03

ATTACHMENT D

LABORATORY ANALYTICAL REPORT

January 24, 2020

Mike Casper
Patriot Engineering
6150 East 75th Street
Indianapolis, IN 46250

RE: Project: GYMNASTICS CENTER-Revised Report
Pace Project No.: 10505193

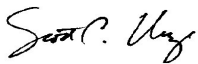
Dear Mike Casper:

Enclosed are the analytical results for sample(s) received by the laboratory on January 13, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report was revised on January 24, 2020, to report to the method detection limits.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Scott Unze for
Carolynne Trout
carolynne.trout@pacelabs.com
1(612)607-6351
Project Manager

Enclosures

cc: James Cody, Patriot Engineering



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01	Minnesota Dept of Ag Certification #: via MN 027-053-137
Alabama Certification #: 40770	Minnesota Petrofund Certification #: 1240
Alaska Contaminated Sites Certification #: 17-009	Mississippi Certification #: MN00064
Alaska DW Certification #: MN00064	Missouri Certification #: 10100
Arizona Certification #: AZ0014	Montana Certification #: CERT0092
Arkansas DW Certification #: MN00064	Nebraska Certification #: NE-OS-18-06
Arkansas WW Certification #: 88-0680	Nevada Certification #: MN00064
California Certification #: 2929	New Hampshire Certification #: 2081
CNMI Saipan Certification #: MP0003	New Jersey Certification #: MN002
Colorado Certification #: MN00064	New York Certification #: 11647
Connecticut Certification #: PH-0256	North Carolina DW Certification #: 27700
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137	North Carolina WW Certification #: 530
Florida Certification #: E87605	North Dakota Certification #: R-036
Georgia Certification #: 959	Ohio DW Certification #: 41244
Guam EPA Certification #: MN00064	Ohio VAP Certification #: CL101
Hawaii Certification #: MN00064	Oklahoma Certification #: 9507
Idaho Certification #: MN00064	Oregon Primary Certification #: MN300001
Illinois Certification #: 200011	Oregon Secondary Certification #: MN200001
Indiana Certification #: C-MN-01	Pennsylvania Certification #: 68-00563
Iowa Certification #: 368	Puerto Rico Certification #: MN00064
Kansas Certification #: E-10167	South Carolina Certification #:74003001
Kentucky DW Certification #: 90062	Tennessee Certification #: TN02818
Kentucky WW Certification #: 90062	Texas Certification #: T104704192
Louisiana DEQ Certification #: 03086	Utah Certification #: MN00064
Louisiana DW Certification #: MN00064	Vermont Certification #: VT-027053137
Maine Certification #: MN00064	Virginia Certification #: 460163
Maryland Certification #: 322	Washington Certification #: C486
Massachusetts Certification #: M-MN064	West Virginia DEP Certification #: 382
Massachusetts DWP Certification #: via MN 027-053-137	West Virginia DW Certification #: 9952 C
Michigan Certification #: 9909	Wisconsin Certification #: 999407970
Minnesota Certification #: 027-053-137	Wyoming UST Certification #: via A2LA 2926.01

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SAMPLE SUMMARY

Project: GYMNASTICS CENTER-Revised Report
Pace Project No.: 10505193

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10505193001	SS-1	Air	01/07/20 14:16	01/13/20 10:50
10505193002	SS-2	Air	01/07/20 14:20	01/13/20 10:50
10505193003	DUP	Air		01/13/20 10:50
10505193004	IA-1	Air	01/07/20 14:18	01/13/20 10:50
10505193005	IA-2	Air	01/07/20 14:19	01/13/20 10:50
10505193006	IA-3	Air	01/07/20 14:22	01/13/20 10:50

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SAMPLE ANALYTE COUNT

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10505193001	SS-1	TO-15	AC1	61
10505193002	SS-2	TO-15	AC1	61
10505193003	DUP	TO-15	AC1	61
10505193004	IA-1	TO-15	AC1	61
10505193005	IA-2	TO-15	AC1	61
10505193006	IA-3	TO-15	AC1	61

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PROJECT NARRATIVE

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Method: TO-15

Description: TO15 MSV AIR

Client: Patriot Engineering-IN

Date: January 24, 2020

General Information:

6 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: 654698

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: 3519359)
- Vinyl 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.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 654698

E: Analyte concentration exceeded the calibration range. The reported result is estimated.

- DUP (Lab ID: 10505193003)
 - Ethanol
- SS-1 (Lab ID: 10505193001)
 - Ethanol

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: SS-1 **Lab ID: 10505193001** Collected: 01/07/20 14:16 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	113	ug/m3	3.7	1.9	1.55		01/15/20 18:20	67-64-1	
Benzene	1.9	ug/m3	0.50	0.24	1.55		01/15/20 18:20	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.1	1.9	1.55		01/15/20 18:20	100-44-7	
Bromodichloromethane	<0.57	ug/m3	2.1	0.57	1.55		01/15/20 18:20	75-27-4	
Bromoform	<2.2	ug/m3	8.1	2.2	1.55		01/15/20 18:20	75-25-2	
Bromomethane	<0.35	ug/m3	1.2	0.35	1.55		01/15/20 18:20	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.70	0.20	1.55		01/15/20 18:20	106-99-0	
2-Butanone (MEK)	3.6J	ug/m3	4.6	0.57	1.55		01/15/20 18:20	78-93-3	
Carbon disulfide	<0.34	ug/m3	0.98	0.34	1.55		01/15/20 18:20	75-15-0	
Carbon tetrachloride	<0.66	ug/m3	2.0	0.66	1.55		01/15/20 18:20	56-23-5	
Chlorobenzene	<0.43	ug/m3	1.5	0.43	1.55		01/15/20 18:20	108-90-7	
Chloroethane	<0.40	ug/m3	0.83	0.40	1.55		01/15/20 18:20	75-00-3	
Chloroform	<0.30	ug/m3	0.77	0.30	1.55		01/15/20 18:20	67-66-3	
Chloromethane	<0.24	ug/m3	0.65	0.24	1.55		01/15/20 18:20	74-87-3	
Cyclohexane	1.8J	ug/m3	2.7	0.55	1.55		01/15/20 18:20	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.7	1.1	1.55		01/15/20 18:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.57	ug/m3	1.2	0.57	1.55		01/15/20 18:20	106-93-4	
1,2-Dichlorobenzene	<0.77	ug/m3	1.9	0.77	1.55		01/15/20 18:20	95-50-1	
1,3-Dichlorobenzene	<0.90	ug/m3	1.9	0.90	1.55		01/15/20 18:20	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.7	1.6	1.55		01/15/20 18:20	106-46-7	
Dichlorodifluoromethane	3.0	ug/m3	1.6	0.45	1.55		01/15/20 18:20	75-71-8	
1,1-Dichloroethane	<0.35	ug/m3	1.3	0.35	1.55		01/15/20 18:20	75-34-3	
1,2-Dichloroethane	<0.23	ug/m3	0.64	0.23	1.55		01/15/20 18:20	107-06-2	
1,1-Dichloroethene	<0.42	ug/m3	1.2	0.42	1.55		01/15/20 18:20	75-35-4	
cis-1,2-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.55		01/15/20 18:20	156-59-2	
trans-1,2-Dichloroethene	<0.44	ug/m3	1.2	0.44	1.55		01/15/20 18:20	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.5	0.36	1.55		01/15/20 18:20	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/m3	1.4	0.47	1.55		01/15/20 18:20	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/m3	1.4	0.68	1.55		01/15/20 18:20	10061-02-6	
Dichlorotetrafluoroethane	<0.68	ug/m3	2.2	0.68	1.55		01/15/20 18:20	76-14-2	
Ethanol	787	ug/m3	3.0	1.3	1.55		01/15/20 18:20	64-17-5	E
Ethyl acetate	2.4	ug/m3	1.1	0.29	1.55		01/15/20 18:20	141-78-6	
Ethylbenzene	2.2	ug/m3	1.4	0.47	1.55		01/15/20 18:20	100-41-4	
4-Ethyltoluene	<0.88	ug/m3	3.9	0.88	1.55		01/15/20 18:20	622-96-8	
n-Heptane	2.9	ug/m3	1.3	0.59	1.55		01/15/20 18:20	142-82-5	
Hexachloro-1,3-butadiene	<3.1	ug/m3	8.4	3.1	1.55		01/15/20 18:20	87-68-3	
n-Hexane	5.1	ug/m3	1.1	0.48	1.55		01/15/20 18:20	110-54-3	
2-Hexanone	<1.2	ug/m3	6.4	1.2	1.55		01/15/20 18:20	591-78-6	
Methylene Chloride	5.6	ug/m3	5.5	1.9	1.55		01/15/20 18:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.80	ug/m3	6.4	0.80	1.55		01/15/20 18:20	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/m3	5.7	1.0	1.55		01/15/20 18:20	1634-04-4	
Naphthalene	<2.0	ug/m3	4.1	2.0	1.55		01/15/20 18:20	91-20-3	
2-Propanol	30.8	ug/m3	3.9	1.1	1.55		01/15/20 18:20	67-63-0	
Propylene	<0.22	ug/m3	0.54	0.22	1.55		01/15/20 18:20	115-07-1	
Styrene	<0.53	ug/m3	1.3	0.53	1.55		01/15/20 18:20	100-42-5	
1,1,2,2-Tetrachloroethane	<0.48	ug/m3	1.1	0.48	1.55		01/15/20 18:20	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: SS-1 **Lab ID: 10505193001** Collected: 01/07/20 14:16 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	1.2	ug/m3	1.1	0.49	1.55		01/15/20 18:20	127-18-4	
Tetrahydrofuran	<0.40	ug/m3	0.93	0.40	1.55		01/15/20 18:20	109-99-9	
Toluene	8.6	ug/m3	1.2	0.54	1.55		01/15/20 18:20	108-88-3	
1,2,4-Trichlorobenzene	<5.8	ug/m3	11.7	5.8	1.55		01/15/20 18:20	120-82-1	
1,1,1-Trichloroethane	<0.48	ug/m3	1.7	0.48	1.55		01/15/20 18:20	71-55-6	
1,1,2-Trichloroethane	<0.38	ug/m3	0.86	0.38	1.55		01/15/20 18:20	79-00-5	
Trichloroethene	5.8	ug/m3	0.85	0.39	1.55		01/15/20 18:20	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	1.8	0.57	1.55		01/15/20 18:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.87	ug/m3	2.4	0.87	1.55		01/15/20 18:20	76-13-1	
1,2,4-Trimethylbenzene	2.3	ug/m3	1.5	0.70	1.55		01/15/20 18:20	95-63-6	
1,3,5-Trimethylbenzene	1.0J	ug/m3	1.5	0.62	1.55		01/15/20 18:20	108-67-8	
Vinyl acetate	<0.42	ug/m3	1.1	0.42	1.55		01/15/20 18:20	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.40	0.20	1.55		01/15/20 18:20	75-01-4	
m&p-Xylene	9.6	ug/m3	2.7	1.1	1.55		01/15/20 18:20	179601-23-1	
o-Xylene	3.0	ug/m3	1.4	0.53	1.55		01/15/20 18:20	95-47-6	

Sample: SS-2 **Lab ID: 10505193002** Collected: 01/07/20 14:20 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	81.3	ug/m3	3.7	1.9	1.55		01/15/20 17:50	67-64-1	
Benzene	3.5	ug/m3	0.50	0.24	1.55		01/15/20 17:50	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.1	1.9	1.55		01/15/20 17:50	100-44-7	
Bromodichloromethane	<0.57	ug/m3	2.1	0.57	1.55		01/15/20 17:50	75-27-4	
Bromoform	<2.2	ug/m3	8.1	2.2	1.55		01/15/20 17:50	75-25-2	
Bromomethane	<0.35	ug/m3	1.2	0.35	1.55		01/15/20 17:50	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.70	0.20	1.55		01/15/20 17:50	106-99-0	
2-Butanone (MEK)	3.5J	ug/m3	4.6	0.57	1.55		01/15/20 17:50	78-93-3	
Carbon disulfide	<0.34	ug/m3	0.98	0.34	1.55		01/15/20 17:50	75-15-0	
Carbon tetrachloride	<0.66	ug/m3	2.0	0.66	1.55		01/15/20 17:50	56-23-5	
Chlorobenzene	<0.43	ug/m3	1.5	0.43	1.55		01/15/20 17:50	108-90-7	
Chloroethane	<0.40	ug/m3	0.83	0.40	1.55		01/15/20 17:50	75-00-3	
Chloroform	<0.30	ug/m3	0.77	0.30	1.55		01/15/20 17:50	67-66-3	
Chloromethane	<0.24	ug/m3	0.65	0.24	1.55		01/15/20 17:50	74-87-3	
Cyclohexane	4.3	ug/m3	2.7	0.55	1.55		01/15/20 17:50	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.7	1.1	1.55		01/15/20 17:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.57	ug/m3	1.2	0.57	1.55		01/15/20 17:50	106-93-4	
1,2-Dichlorobenzene	<0.77	ug/m3	1.9	0.77	1.55		01/15/20 17:50	95-50-1	
1,3-Dichlorobenzene	<0.90	ug/m3	1.9	0.90	1.55		01/15/20 17:50	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.7	1.6	1.55		01/15/20 17:50	106-46-7	
Dichlorodifluoromethane	3.0	ug/m3	1.6	0.45	1.55		01/15/20 17:50	75-71-8	
1,1-Dichloroethane	<0.35	ug/m3	1.3	0.35	1.55		01/15/20 17:50	75-34-3	
1,2-Dichloroethane	<0.23	ug/m3	0.64	0.23	1.55		01/15/20 17:50	107-06-2	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: SS-2 **Lab ID: 10505193002** Collected: 01/07/20 14:20 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.42	ug/m3	1.2	0.42	1.55		01/15/20 17:50	75-35-4	
cis-1,2-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.55		01/15/20 17:50	156-59-2	
trans-1,2-Dichloroethene	<0.44	ug/m3	1.2	0.44	1.55		01/15/20 17:50	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.5	0.36	1.55		01/15/20 17:50	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/m3	1.4	0.47	1.55		01/15/20 17:50	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/m3	1.4	0.68	1.55		01/15/20 17:50	10061-02-6	
Dichlorotetrafluoroethane	<0.68	ug/m3	2.2	0.68	1.55		01/15/20 17:50	76-14-2	
Ethanol	447	ug/m3	29.8	12.6	15.5		01/16/20 17:16	64-17-5	
Ethyl acetate	2.1	ug/m3	1.1	0.29	1.55		01/15/20 17:50	141-78-6	
Ethylbenzene	2.9	ug/m3	1.4	0.47	1.55		01/15/20 17:50	100-41-4	
4-Ethyltoluene	<0.88	ug/m3	3.9	0.88	1.55		01/15/20 17:50	622-96-8	
n-Heptane	5.2	ug/m3	1.3	0.59	1.55		01/15/20 17:50	142-82-5	
Hexachloro-1,3-butadiene	<3.1	ug/m3	8.4	3.1	1.55		01/15/20 17:50	87-68-3	
n-Hexane	5.2	ug/m3	1.1	0.48	1.55		01/15/20 17:50	110-54-3	
2-Hexanone	<1.2	ug/m3	6.4	1.2	1.55		01/15/20 17:50	591-78-6	
Methylene Chloride	4.4J	ug/m3	5.5	1.9	1.55		01/15/20 17:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.80	ug/m3	6.4	0.80	1.55		01/15/20 17:50	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/m3	5.7	1.0	1.55		01/15/20 17:50	1634-04-4	
Naphthalene	<2.0	ug/m3	4.1	2.0	1.55		01/15/20 17:50	91-20-3	
2-Propanol	22.0	ug/m3	3.9	1.1	1.55		01/15/20 17:50	67-63-0	
Propylene	<0.22	ug/m3	0.54	0.22	1.55		01/15/20 17:50	115-07-1	
Styrene	<0.53	ug/m3	1.3	0.53	1.55		01/15/20 17:50	100-42-5	
1,1,2,2-Tetrachloroethane	<0.48	ug/m3	1.1	0.48	1.55		01/15/20 17:50	79-34-5	
Tetrachloroethene	42.6	ug/m3	1.1	0.49	1.55		01/15/20 17:50	127-18-4	
Tetrahydrofuran	<0.40	ug/m3	0.93	0.40	1.55		01/15/20 17:50	109-99-9	
Toluene	11.6	ug/m3	1.2	0.54	1.55		01/15/20 17:50	108-88-3	
1,2,4-Trichlorobenzene	<5.8	ug/m3	11.7	5.8	1.55		01/15/20 17:50	120-82-1	
1,1,1-Trichloroethane	<0.48	ug/m3	1.7	0.48	1.55		01/15/20 17:50	71-55-6	
1,1,2-Trichloroethane	<0.38	ug/m3	0.86	0.38	1.55		01/15/20 17:50	79-00-5	
Trichloroethene	263	ug/m3	8.5	3.9	15.5		01/16/20 17:16	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	1.8	0.57	1.55		01/15/20 17:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.87	ug/m3	2.4	0.87	1.55		01/15/20 17:50	76-13-1	
1,2,4-Trimethylbenzene	2.8	ug/m3	1.5	0.70	1.55		01/15/20 17:50	95-63-6	
1,3,5-Trimethylbenzene	1.0J	ug/m3	1.5	0.62	1.55		01/15/20 17:50	108-67-8	
Vinyl acetate	<0.42	ug/m3	1.1	0.42	1.55		01/15/20 17:50	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.40	0.20	1.55		01/15/20 17:50	75-01-4	
m&p-Xylene	11.4	ug/m3	2.7	1.1	1.55		01/15/20 17:50	179601-23-1	
o-Xylene	3.4	ug/m3	1.4	0.53	1.55		01/15/20 17:50	95-47-6	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: DUP **Lab ID:** 10505193003 **Collected:** **Received:** 01/13/20 10:50 **Matrix:** Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Acetone	78.5	ug/m3	3.7	1.9	1.55		01/15/20 17:21	67-64-1	
Benzene	3.7	ug/m3	0.50	0.24	1.55		01/15/20 17:21	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.1	1.9	1.55		01/15/20 17:21	100-44-7	
Bromodichloromethane	<0.57	ug/m3	2.1	0.57	1.55		01/15/20 17:21	75-27-4	
Bromoform	<2.2	ug/m3	8.1	2.2	1.55		01/15/20 17:21	75-25-2	
Bromomethane	<0.35	ug/m3	1.2	0.35	1.55		01/15/20 17:21	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.70	0.20	1.55		01/15/20 17:21	106-99-0	
2-Butanone (MEK)	3.3J	ug/m3	4.6	0.57	1.55		01/15/20 17:21	78-93-3	
Carbon disulfide	<0.34	ug/m3	0.98	0.34	1.55		01/15/20 17:21	75-15-0	
Carbon tetrachloride	<0.66	ug/m3	2.0	0.66	1.55		01/15/20 17:21	56-23-5	
Chlorobenzene	<0.43	ug/m3	1.5	0.43	1.55		01/15/20 17:21	108-90-7	
Chloroethane	<0.40	ug/m3	0.83	0.40	1.55		01/15/20 17:21	75-00-3	
Chloroform	<0.30	ug/m3	0.77	0.30	1.55		01/15/20 17:21	67-66-3	
Chloromethane	<0.24	ug/m3	0.65	0.24	1.55		01/15/20 17:21	74-87-3	
Cyclohexane	4.4	ug/m3	2.7	0.55	1.55		01/15/20 17:21	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.7	1.1	1.55		01/15/20 17:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.57	ug/m3	1.2	0.57	1.55		01/15/20 17:21	106-93-4	
1,2-Dichlorobenzene	<0.77	ug/m3	1.9	0.77	1.55		01/15/20 17:21	95-50-1	
1,3-Dichlorobenzene	<0.90	ug/m3	1.9	0.90	1.55		01/15/20 17:21	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.7	1.6	1.55		01/15/20 17:21	106-46-7	
Dichlorodifluoromethane	2.9	ug/m3	1.6	0.45	1.55		01/15/20 17:21	75-71-8	
1,1-Dichloroethane	<0.35	ug/m3	1.3	0.35	1.55		01/15/20 17:21	75-34-3	
1,2-Dichloroethane	<0.23	ug/m3	0.64	0.23	1.55		01/15/20 17:21	107-06-2	
1,1-Dichloroethene	<0.42	ug/m3	1.2	0.42	1.55		01/15/20 17:21	75-35-4	
cis-1,2-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.55		01/15/20 17:21	156-59-2	
trans-1,2-Dichloroethene	<0.44	ug/m3	1.2	0.44	1.55		01/15/20 17:21	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.5	0.36	1.55		01/15/20 17:21	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/m3	1.4	0.47	1.55		01/15/20 17:21	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/m3	1.4	0.68	1.55		01/15/20 17:21	10061-02-6	
Dichlorotetrafluoroethane	<0.68	ug/m3	2.2	0.68	1.55		01/15/20 17:21	76-14-2	
Ethanol	454	ug/m3	3.0	1.3	1.55		01/15/20 17:21	64-17-5	E
Ethyl acetate	2.0	ug/m3	1.1	0.29	1.55		01/15/20 17:21	141-78-6	
Ethylbenzene	2.9	ug/m3	1.4	0.47	1.55		01/15/20 17:21	100-41-4	
4-Ethyltoluene	<0.88	ug/m3	3.9	0.88	1.55		01/15/20 17:21	622-96-8	
n-Heptane	4.8	ug/m3	1.3	0.59	1.55		01/15/20 17:21	142-82-5	
Hexachloro-1,3-butadiene	<3.1	ug/m3	8.4	3.1	1.55		01/15/20 17:21	87-68-3	
n-Hexane	5.5	ug/m3	1.1	0.48	1.55		01/15/20 17:21	110-54-3	
2-Hexanone	<1.2	ug/m3	6.4	1.2	1.55		01/15/20 17:21	591-78-6	
Methylene Chloride	5.5	ug/m3	5.5	1.9	1.55		01/15/20 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.80	ug/m3	6.4	0.80	1.55		01/15/20 17:21	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/m3	5.7	1.0	1.55		01/15/20 17:21	1634-04-4	
Naphthalene	<2.0	ug/m3	4.1	2.0	1.55		01/15/20 17:21	91-20-3	
2-Propanol	22.0	ug/m3	3.9	1.1	1.55		01/15/20 17:21	67-63-0	
Propylene	<0.22	ug/m3	0.54	0.22	1.55		01/15/20 17:21	115-07-1	
Styrene	<0.53	ug/m3	1.3	0.53	1.55		01/15/20 17:21	100-42-5	
1,1,2,2-Tetrachloroethane	<0.48	ug/m3	1.1	0.48	1.55		01/15/20 17:21	79-34-5	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: DUP									
Lab ID: 10505193003									
Collected: Received: 01/13/20 10:50 Matrix: Air									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	43.3	ug/m3	1.1	0.49	1.55		01/15/20 17:21	127-18-4	
Tetrahydrofuran	<0.40	ug/m3	0.93	0.40	1.55		01/15/20 17:21	109-99-9	
Toluene	10.9	ug/m3	1.2	0.54	1.55		01/15/20 17:21	108-88-3	
1,2,4-Trichlorobenzene	<5.8	ug/m3	11.7	5.8	1.55		01/15/20 17:21	120-82-1	
1,1,1-Trichloroethane	<0.48	ug/m3	1.7	0.48	1.55		01/15/20 17:21	71-55-6	
1,1,2-Trichloroethane	<0.38	ug/m3	0.86	0.38	1.55		01/15/20 17:21	79-00-5	
Trichloroethene	254	ug/m3	0.85	0.39	1.55		01/15/20 17:21	79-01-6	
Trichlorofluoromethane	1.4J	ug/m3	1.8	0.57	1.55		01/15/20 17:21	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.87	ug/m3	2.4	0.87	1.55		01/15/20 17:21	76-13-1	
1,2,4-Trimethylbenzene	2.9	ug/m3	1.5	0.70	1.55		01/15/20 17:21	95-63-6	
1,3,5-Trimethylbenzene	1.2J	ug/m3	1.5	0.62	1.55		01/15/20 17:21	108-67-8	
Vinyl acetate	<0.42	ug/m3	1.1	0.42	1.55		01/15/20 17:21	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.40	0.20	1.55		01/15/20 17:21	75-01-4	
m&p-Xylene	11.5	ug/m3	2.7	1.1	1.55		01/15/20 17:21	179601-23-1	
o-Xylene	3.7	ug/m3	1.4	0.53	1.55		01/15/20 17:21	95-47-6	

Sample: IA-1									
Lab ID: 10505193004									
Collected: 01/07/20 14:18 Received: 01/13/20 10:50 Matrix: Air									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	28.0	ug/m3	3.9	1.9	1.61		01/15/20 16:52	67-64-1	
Benzene	0.94	ug/m3	0.52	0.25	1.61		01/15/20 16:52	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.2	1.9	1.61		01/15/20 16:52	100-44-7	
Bromodichloromethane	<0.59	ug/m3	2.2	0.59	1.61		01/15/20 16:52	75-27-4	
Bromoform	<2.3	ug/m3	8.5	2.3	1.61		01/15/20 16:52	75-25-2	
Bromomethane	<0.37	ug/m3	1.3	0.37	1.61		01/15/20 16:52	74-83-9	
1,3-Butadiene	<0.21	ug/m3	0.72	0.21	1.61		01/15/20 16:52	106-99-0	
2-Butanone (MEK)	2.6J	ug/m3	4.8	0.59	1.61		01/15/20 16:52	78-93-3	
Carbon disulfide	<0.35	ug/m3	1.0	0.35	1.61		01/15/20 16:52	75-15-0	
Carbon tetrachloride	<0.69	ug/m3	2.1	0.69	1.61		01/15/20 16:52	56-23-5	
Chlorobenzene	<0.44	ug/m3	1.5	0.44	1.61		01/15/20 16:52	108-90-7	
Chloroethane	<0.42	ug/m3	0.86	0.42	1.61		01/15/20 16:52	75-00-3	
Chloroform	<0.32	ug/m3	0.80	0.32	1.61		01/15/20 16:52	67-66-3	
Chloromethane	0.98	ug/m3	0.68	0.25	1.61		01/15/20 16:52	74-87-3	
Cyclohexane	<0.57	ug/m3	2.8	0.57	1.61		01/15/20 16:52	110-82-7	
Dibromochloromethane	<1.2	ug/m3	2.8	1.2	1.61		01/15/20 16:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.59	ug/m3	1.3	0.59	1.61		01/15/20 16:52	106-93-4	
1,2-Dichlorobenzene	<0.80	ug/m3	2.0	0.80	1.61		01/15/20 16:52	95-50-1	
1,3-Dichlorobenzene	<0.94	ug/m3	2.0	0.94	1.61		01/15/20 16:52	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.9	1.6	1.61		01/15/20 16:52	106-46-7	
Dichlorodifluoromethane	3.0	ug/m3	1.6	0.47	1.61		01/15/20 16:52	75-71-8	
1,1-Dichloroethane	<0.36	ug/m3	1.3	0.36	1.61		01/15/20 16:52	75-34-3	
1,2-Dichloroethane	<0.24	ug/m3	0.66	0.24	1.61		01/15/20 16:52	107-06-2	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: IA-1 **Lab ID:** 10505193004 Collected: 01/07/20 14:18 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<0.44	ug/m3	1.3	0.44	1.61		01/15/20 16:52	75-35-4	
cis-1,2-Dichloroethene	<0.35	ug/m3	1.3	0.35	1.61		01/15/20 16:52	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/m3	1.3	0.46	1.61		01/15/20 16:52	156-60-5	
1,2-Dichloropropane	<0.37	ug/m3	1.5	0.37	1.61		01/15/20 16:52	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.5	0.49	1.61		01/15/20 16:52	10061-01-5	
trans-1,3-Dichloropropene	<0.71	ug/m3	1.5	0.71	1.61		01/15/20 16:52	10061-02-6	
Dichlorotetrafluoroethane	<0.70	ug/m3	2.3	0.70	1.61		01/15/20 16:52	76-14-2	
Ethanol	405	ug/m3	3.1	1.3	1.61		01/15/20 16:52	64-17-5	
Ethyl acetate	2.8	ug/m3	1.2	0.31	1.61		01/15/20 16:52	141-78-6	
Ethylbenzene	<0.49	ug/m3	1.4	0.49	1.61		01/15/20 16:52	100-41-4	
4-Ethyltoluene	<0.92	ug/m3	4.0	0.92	1.61		01/15/20 16:52	622-96-8	
n-Heptane	0.62J	ug/m3	1.3	0.61	1.61		01/15/20 16:52	142-82-5	
Hexachloro-1,3-butadiene	<3.2	ug/m3	8.7	3.2	1.61		01/15/20 16:52	87-68-3	
n-Hexane	1.3	ug/m3	1.2	0.50	1.61		01/15/20 16:52	110-54-3	
2-Hexanone	<1.2	ug/m3	6.7	1.2	1.61		01/15/20 16:52	591-78-6	
Methylene Chloride	7.7	ug/m3	5.7	1.9	1.61		01/15/20 16:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.83	ug/m3	6.7	0.83	1.61		01/15/20 16:52	108-10-1	
Methyl-tert-butyl ether	<1.1	ug/m3	5.9	1.1	1.61		01/15/20 16:52	1634-04-4	
Naphthalene	<2.1	ug/m3	4.3	2.1	1.61		01/15/20 16:52	91-20-3	
2-Propanol	15.4	ug/m3	4.0	1.1	1.61		01/15/20 16:52	67-63-0	
Propylene	<0.23	ug/m3	0.56	0.23	1.61		01/15/20 16:52	115-07-1	
Styrene	<0.55	ug/m3	1.4	0.55	1.61		01/15/20 16:52	100-42-5	
1,1,2,2-Tetrachloroethane	<0.50	ug/m3	1.1	0.50	1.61		01/15/20 16:52	79-34-5	
Tetrachloroethene	0.59J	ug/m3	1.1	0.51	1.61		01/15/20 16:52	127-18-4	
Tetrahydrofuran	<0.42	ug/m3	0.97	0.42	1.61		01/15/20 16:52	109-99-9	
Toluene	3.2	ug/m3	1.2	0.57	1.61		01/15/20 16:52	108-88-3	
1,2,4-Trichlorobenzene	<6.0	ug/m3	12.1	6.0	1.61		01/15/20 16:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/m3	1.8	0.50	1.61		01/15/20 16:52	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/m3	0.89	0.39	1.61		01/15/20 16:52	79-00-5	
Trichloroethene	0.79J	ug/m3	0.88	0.41	1.61		01/15/20 16:52	79-01-6	
Trichlorofluoromethane	1.7J	ug/m3	1.8	0.59	1.61		01/15/20 16:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.91	ug/m3	2.5	0.91	1.61		01/15/20 16:52	76-13-1	
1,2,4-Trimethylbenzene	<0.73	ug/m3	1.6	0.73	1.61		01/15/20 16:52	95-63-6	
1,3,5-Trimethylbenzene	<0.64	ug/m3	1.6	0.64	1.61		01/15/20 16:52	108-67-8	
Vinyl acetate	<0.43	ug/m3	1.2	0.43	1.61		01/15/20 16:52	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.42	0.20	1.61		01/15/20 16:52	75-01-4	
m&p-Xylene	1.4J	ug/m3	2.8	1.1	1.61		01/15/20 16:52	179601-23-1	
o-Xylene	<0.55	ug/m3	1.4	0.55	1.61		01/15/20 16:52	95-47-6	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: IA-2 **Lab ID:** 10505193005 Collected: 01/07/20 14:19 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	26.6	ug/m3	3.9	1.9	1.61		01/15/20 16:22	67-64-1	
Benzene	0.79	ug/m3	0.52	0.25	1.61		01/15/20 16:22	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.2	1.9	1.61		01/15/20 16:22	100-44-7	
Bromodichloromethane	<0.59	ug/m3	2.2	0.59	1.61		01/15/20 16:22	75-27-4	
Bromoform	<2.3	ug/m3	8.5	2.3	1.61		01/15/20 16:22	75-25-2	
Bromomethane	<0.37	ug/m3	1.3	0.37	1.61		01/15/20 16:22	74-83-9	
1,3-Butadiene	<0.21	ug/m3	0.72	0.21	1.61		01/15/20 16:22	106-99-0	
2-Butanone (MEK)	2.1J	ug/m3	4.8	0.59	1.61		01/15/20 16:22	78-93-3	
Carbon disulfide	<0.35	ug/m3	1.0	0.35	1.61		01/15/20 16:22	75-15-0	
Carbon tetrachloride	<0.69	ug/m3	2.1	0.69	1.61		01/15/20 16:22	56-23-5	
Chlorobenzene	<0.44	ug/m3	1.5	0.44	1.61		01/15/20 16:22	108-90-7	
Chloroethane	<0.42	ug/m3	0.86	0.42	1.61		01/15/20 16:22	75-00-3	
Chloroform	<0.32	ug/m3	0.80	0.32	1.61		01/15/20 16:22	67-66-3	
Chloromethane	0.70	ug/m3	0.68	0.25	1.61		01/15/20 16:22	74-87-3	
Cyclohexane	<0.57	ug/m3	2.8	0.57	1.61		01/15/20 16:22	110-82-7	
Dibromochloromethane	<1.2	ug/m3	2.8	1.2	1.61		01/15/20 16:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.59	ug/m3	1.3	0.59	1.61		01/15/20 16:22	106-93-4	
1,2-Dichlorobenzene	<0.80	ug/m3	2.0	0.80	1.61		01/15/20 16:22	95-50-1	
1,3-Dichlorobenzene	<0.94	ug/m3	2.0	0.94	1.61		01/15/20 16:22	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.9	1.6	1.61		01/15/20 16:22	106-46-7	
Dichlorodifluoromethane	2.4	ug/m3	1.6	0.47	1.61		01/15/20 16:22	75-71-8	
1,1-Dichloroethane	<0.36	ug/m3	1.3	0.36	1.61		01/15/20 16:22	75-34-3	
1,2-Dichloroethane	<0.24	ug/m3	0.66	0.24	1.61		01/15/20 16:22	107-06-2	
1,1-Dichloroethene	<0.44	ug/m3	1.3	0.44	1.61		01/15/20 16:22	75-35-4	
cis-1,2-Dichloroethene	<0.35	ug/m3	1.3	0.35	1.61		01/15/20 16:22	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/m3	1.3	0.46	1.61		01/15/20 16:22	156-60-5	
1,2-Dichloropropane	<0.37	ug/m3	1.5	0.37	1.61		01/15/20 16:22	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.5	0.49	1.61		01/15/20 16:22	10061-01-5	
trans-1,3-Dichloropropene	<0.71	ug/m3	1.5	0.71	1.61		01/15/20 16:22	10061-02-6	
Dichlorotetrafluoroethane	<0.70	ug/m3	2.3	0.70	1.61		01/15/20 16:22	76-14-2	
Ethanol	124	ug/m3	3.1	1.3	1.61		01/15/20 16:22	64-17-5	
Ethyl acetate	<0.31	ug/m3	1.2	0.31	1.61		01/15/20 16:22	141-78-6	
Ethylbenzene	<0.49	ug/m3	1.4	0.49	1.61		01/15/20 16:22	100-41-4	
4-Ethyltoluene	<0.92	ug/m3	4.0	0.92	1.61		01/15/20 16:22	622-96-8	
n-Heptane	<0.61	ug/m3	1.3	0.61	1.61		01/15/20 16:22	142-82-5	
Hexachloro-1,3-butadiene	<3.2	ug/m3	8.7	3.2	1.61		01/15/20 16:22	87-68-3	
n-Hexane	0.91J	ug/m3	1.2	0.50	1.61		01/15/20 16:22	110-54-3	
2-Hexanone	<1.2	ug/m3	6.7	1.2	1.61		01/15/20 16:22	591-78-6	
Methylene Chloride	5.4J	ug/m3	5.7	1.9	1.61		01/15/20 16:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.83	ug/m3	6.7	0.83	1.61		01/15/20 16:22	108-10-1	
Methyl-tert-butyl ether	<1.1	ug/m3	5.9	1.1	1.61		01/15/20 16:22	1634-04-4	
Naphthalene	<2.1	ug/m3	4.3	2.1	1.61		01/15/20 16:22	91-20-3	
2-Propanol	10.2	ug/m3	4.0	1.1	1.61		01/15/20 16:22	67-63-0	
Propylene	<0.23	ug/m3	0.56	0.23	1.61		01/15/20 16:22	115-07-1	
Styrene	<0.55	ug/m3	1.4	0.55	1.61		01/15/20 16:22	100-42-5	
1,1,2,2-Tetrachloroethane	<0.50	ug/m3	1.1	0.50	1.61		01/15/20 16:22	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: IA-2 **Lab ID: 10505193005** Collected: 01/07/20 14:19 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	<0.51	ug/m3	1.1	0.51	1.61		01/15/20 16:22	127-18-4	
Tetrahydrofuran	<0.42	ug/m3	0.97	0.42	1.61		01/15/20 16:22	109-99-9	
Toluene	3.2	ug/m3	1.2	0.57	1.61		01/15/20 16:22	108-88-3	
1,2,4-Trichlorobenzene	<6.0	ug/m3	12.1	6.0	1.61		01/15/20 16:22	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/m3	1.8	0.50	1.61		01/15/20 16:22	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/m3	0.89	0.39	1.61		01/15/20 16:22	79-00-5	
Trichloroethene	1.1	ug/m3	0.88	0.41	1.61		01/15/20 16:22	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	1.8	0.59	1.61		01/15/20 16:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.91	ug/m3	2.5	0.91	1.61		01/15/20 16:22	76-13-1	
1,2,4-Trimethylbenzene	<0.73	ug/m3	1.6	0.73	1.61		01/15/20 16:22	95-63-6	
1,3,5-Trimethylbenzene	<0.64	ug/m3	1.6	0.64	1.61		01/15/20 16:22	108-67-8	
Vinyl acetate	<0.43	ug/m3	1.2	0.43	1.61		01/15/20 16:22	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.42	0.20	1.61		01/15/20 16:22	75-01-4	
m&p-Xylene	<1.1	ug/m3	2.8	1.1	1.61		01/15/20 16:22	179601-23-1	
o-Xylene	<0.55	ug/m3	1.4	0.55	1.61		01/15/20 16:22	95-47-6	

Sample: IA-3 **Lab ID: 10505193006** Collected: 01/07/20 14:22 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	29.8	ug/m3	3.7	1.9	1.55		01/15/20 15:53	67-64-1	
Benzene	0.80	ug/m3	0.50	0.24	1.55		01/15/20 15:53	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.1	1.9	1.55		01/15/20 15:53	100-44-7	
Bromodichloromethane	<0.57	ug/m3	2.1	0.57	1.55		01/15/20 15:53	75-27-4	
Bromoform	<2.2	ug/m3	8.1	2.2	1.55		01/15/20 15:53	75-25-2	
Bromomethane	<0.35	ug/m3	1.2	0.35	1.55		01/15/20 15:53	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.70	0.20	1.55		01/15/20 15:53	106-99-0	
2-Butanone (MEK)	3.0J	ug/m3	4.6	0.57	1.55		01/15/20 15:53	78-93-3	
Carbon disulfide	<0.34	ug/m3	0.98	0.34	1.55		01/15/20 15:53	75-15-0	
Carbon tetrachloride	<0.66	ug/m3	2.0	0.66	1.55		01/15/20 15:53	56-23-5	
Chlorobenzene	<0.43	ug/m3	1.5	0.43	1.55		01/15/20 15:53	108-90-7	
Chloroethane	<0.40	ug/m3	0.83	0.40	1.55		01/15/20 15:53	75-00-3	
Chloroform	<0.30	ug/m3	0.77	0.30	1.55		01/15/20 15:53	67-66-3	
Chloromethane	0.85	ug/m3	0.65	0.24	1.55		01/15/20 15:53	74-87-3	
Cyclohexane	<0.55	ug/m3	2.7	0.55	1.55		01/15/20 15:53	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.7	1.1	1.55		01/15/20 15:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.57	ug/m3	1.2	0.57	1.55		01/15/20 15:53	106-93-4	
1,2-Dichlorobenzene	<0.77	ug/m3	1.9	0.77	1.55		01/15/20 15:53	95-50-1	
1,3-Dichlorobenzene	<0.90	ug/m3	1.9	0.90	1.55		01/15/20 15:53	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.7	1.6	1.55		01/15/20 15:53	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	1.6	0.45	1.55		01/15/20 15:53	75-71-8	
1,1-Dichloroethane	<0.35	ug/m3	1.3	0.35	1.55		01/15/20 15:53	75-34-3	
1,2-Dichloroethane	<0.23	ug/m3	0.64	0.23	1.55		01/15/20 15:53	107-06-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Sample: IA-3 **Lab ID:** 10505193006 Collected: 01/07/20 14:22 Received: 01/13/20 10:50 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.42	ug/m3	1.2	0.42	1.55		01/15/20 15:53	75-35-4	
cis-1,2-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.55		01/15/20 15:53	156-59-2	
trans-1,2-Dichloroethene	<0.44	ug/m3	1.2	0.44	1.55		01/15/20 15:53	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.5	0.36	1.55		01/15/20 15:53	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/m3	1.4	0.47	1.55		01/15/20 15:53	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/m3	1.4	0.68	1.55		01/15/20 15:53	10061-02-6	
Dichlorotetrafluoroethane	<0.68	ug/m3	2.2	0.68	1.55		01/15/20 15:53	76-14-2	
Ethanol	120	ug/m3	3.0	1.3	1.55		01/15/20 15:53	64-17-5	
Ethyl acetate	<0.29	ug/m3	1.1	0.29	1.55		01/15/20 15:53	141-78-6	
Ethylbenzene	<0.47	ug/m3	1.4	0.47	1.55		01/15/20 15:53	100-41-4	
4-Ethyltoluene	<0.88	ug/m3	3.9	0.88	1.55		01/15/20 15:53	622-96-8	
n-Heptane	<0.59	ug/m3	1.3	0.59	1.55		01/15/20 15:53	142-82-5	
Hexachloro-1,3-butadiene	<3.1	ug/m3	8.4	3.1	1.55		01/15/20 15:53	87-68-3	
n-Hexane	0.84J	ug/m3	1.1	0.48	1.55		01/15/20 15:53	110-54-3	
2-Hexanone	<1.2	ug/m3	6.4	1.2	1.55		01/15/20 15:53	591-78-6	
Methylene Chloride	2.8J	ug/m3	5.5	1.9	1.55		01/15/20 15:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.80	ug/m3	6.4	0.80	1.55		01/15/20 15:53	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/m3	5.7	1.0	1.55		01/15/20 15:53	1634-04-4	
Naphthalene	<2.0	ug/m3	4.1	2.0	1.55		01/15/20 15:53	91-20-3	
2-Propanol	10.6	ug/m3	3.9	1.1	1.55		01/15/20 15:53	67-63-0	
Propylene	<0.22	ug/m3	0.54	0.22	1.55		01/15/20 15:53	115-07-1	
Styrene	<0.53	ug/m3	1.3	0.53	1.55		01/15/20 15:53	100-42-5	
1,1,2,2-Tetrachloroethane	<0.48	ug/m3	1.1	0.48	1.55		01/15/20 15:53	79-34-5	
Tetrachloroethene	<0.49	ug/m3	1.1	0.49	1.55		01/15/20 15:53	127-18-4	
Tetrahydrofuran	<0.40	ug/m3	0.93	0.40	1.55		01/15/20 15:53	109-99-9	
Toluene	3.4	ug/m3	1.2	0.54	1.55		01/15/20 15:53	108-88-3	
1,2,4-Trichlorobenzene	<5.8	ug/m3	11.7	5.8	1.55		01/15/20 15:53	120-82-1	
1,1,1-Trichloroethane	<0.48	ug/m3	1.7	0.48	1.55		01/15/20 15:53	71-55-6	
1,1,2-Trichloroethane	<0.38	ug/m3	0.86	0.38	1.55		01/15/20 15:53	79-00-5	
Trichloroethene	1.3	ug/m3	0.85	0.39	1.55		01/15/20 15:53	79-01-6	
Trichlorofluoromethane	1.7J	ug/m3	1.8	0.57	1.55		01/15/20 15:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.87	ug/m3	2.4	0.87	1.55		01/15/20 15:53	76-13-1	
1,2,4-Trimethylbenzene	<0.70	ug/m3	1.5	0.70	1.55		01/15/20 15:53	95-63-6	
1,3,5-Trimethylbenzene	<0.62	ug/m3	1.5	0.62	1.55		01/15/20 15:53	108-67-8	
Vinyl acetate	<0.42	ug/m3	1.1	0.42	1.55		01/15/20 15:53	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.40	0.20	1.55		01/15/20 15:53	75-01-4	
m&p-Xylene	1.2J	ug/m3	2.7	1.1	1.55		01/15/20 15:53	179601-23-1	
o-Xylene	<0.53	ug/m3	1.4	0.53	1.55		01/15/20 15:53	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

QC Batch: 654698 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10505193001, 10505193002, 10505193003, 10505193004, 10505193005, 10505193006

METHOD BLANK: 3519358 Matrix: Air
 Associated Lab Samples: 10505193001, 10505193002, 10505193003, 10505193004, 10505193005, 10505193006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.31	1.1	0.31	01/15/20 08:59	
1,1,2,2-Tetrachloroethane	ug/m3	<0.31	0.70	0.31	01/15/20 08:59	
1,1,2-Trichloroethane	ug/m3	<0.24	0.56	0.24	01/15/20 08:59	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.56	1.6	0.56	01/15/20 08:59	
1,1-Dichloroethane	ug/m3	<0.22	0.82	0.22	01/15/20 08:59	
1,1-Dichloroethene	ug/m3	<0.27	0.81	0.27	01/15/20 08:59	
1,2,4-Trichlorobenzene	ug/m3	<3.7	7.5	3.7	01/15/20 08:59	
1,2,4-Trimethylbenzene	ug/m3	<0.45	1.0	0.45	01/15/20 08:59	
1,2-Dibromoethane (EDB)	ug/m3	<0.37	0.78	0.37	01/15/20 08:59	
1,2-Dichlorobenzene	ug/m3	<0.50	1.2	0.50	01/15/20 08:59	
1,2-Dichloroethane	ug/m3	<0.15	0.41	0.15	01/15/20 08:59	
1,2-Dichloropropane	ug/m3	<0.23	0.94	0.23	01/15/20 08:59	
1,3,5-Trimethylbenzene	ug/m3	<0.40	1.0	0.40	01/15/20 08:59	
1,3-Butadiene	ug/m3	<0.13	0.45	0.13	01/15/20 08:59	
1,3-Dichlorobenzene	ug/m3	<0.58	1.2	0.58	01/15/20 08:59	
1,4-Dichlorobenzene	ug/m3	<1.0	3.1	1.0	01/15/20 08:59	
2-Butanone (MEK)	ug/m3	<0.37	3.0	0.37	01/15/20 08:59	
2-Hexanone	ug/m3	<0.74	4.2	0.74	01/15/20 08:59	
2-Propanol	ug/m3	<0.70	2.5	0.70	01/15/20 08:59	
4-Ethyltoluene	ug/m3	<0.57	2.5	0.57	01/15/20 08:59	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.52	4.2	0.52	01/15/20 08:59	
Acetone	ug/m3	<1.2	2.4	1.2	01/15/20 08:59	
Benzene	ug/m3	<0.15	0.32	0.15	01/15/20 08:59	
Benzyl chloride	ug/m3	<1.2	2.6	1.2	01/15/20 08:59	
Bromodichloromethane	ug/m3	<0.37	1.4	0.37	01/15/20 08:59	
Bromoform	ug/m3	<1.4	5.2	1.4	01/15/20 08:59	
Bromomethane	ug/m3	<0.23	0.79	0.23	01/15/20 08:59	
Carbon disulfide	ug/m3	<0.22	0.63	0.22	01/15/20 08:59	
Carbon tetrachloride	ug/m3	<0.43	1.3	0.43	01/15/20 08:59	
Chlorobenzene	ug/m3	<0.28	0.94	0.28	01/15/20 08:59	
Chloroethane	ug/m3	<0.26	0.54	0.26	01/15/20 08:59	
Chloroform	ug/m3	<0.20	0.50	0.20	01/15/20 08:59	
Chloromethane	ug/m3	<0.16	0.42	0.16	01/15/20 08:59	
cis-1,2-Dichloroethene	ug/m3	<0.22	0.81	0.22	01/15/20 08:59	
cis-1,3-Dichloropropene	ug/m3	<0.30	0.92	0.30	01/15/20 08:59	
Cyclohexane	ug/m3	<0.35	1.8	0.35	01/15/20 08:59	
Dibromochloromethane	ug/m3	<0.72	1.7	0.72	01/15/20 08:59	
Dichlorodifluoromethane	ug/m3	<0.29	1.0	0.29	01/15/20 08:59	
Dichlorotetrafluoroethane	ug/m3	<0.44	1.4	0.44	01/15/20 08:59	
Ethanol	ug/m3	<0.81	1.9	0.81	01/15/20 08:59	
Ethyl acetate	ug/m3	<0.19	0.73	0.19	01/15/20 08:59	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

METHOD BLANK: 3519358

Matrix: Air

Associated Lab Samples: 10505193001, 10505193002, 10505193003, 10505193004, 10505193005, 10505193006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.30	0.88	0.30	01/15/20 08:59	
Hexachloro-1,3-butadiene	ug/m3	<2.0	5.4	2.0	01/15/20 08:59	
m&p-Xylene	ug/m3	<0.70	1.8	0.70	01/15/20 08:59	
Methyl-tert-butyl ether	ug/m3	<0.66	3.7	0.66	01/15/20 08:59	
Methylene Chloride	ug/m3	<1.2	3.5	1.2	01/15/20 08:59	
n-Heptane	ug/m3	<0.38	0.83	0.38	01/15/20 08:59	
n-Hexane	ug/m3	<0.31	0.72	0.31	01/15/20 08:59	
Naphthalene	ug/m3	<1.3	2.7	1.3	01/15/20 08:59	
o-Xylene	ug/m3	<0.34	0.88	0.34	01/15/20 08:59	
Propylene	ug/m3	<0.14	0.35	0.14	01/15/20 08:59	
Styrene	ug/m3	<0.34	0.87	0.34	01/15/20 08:59	
Tetrachloroethene	ug/m3	<0.31	0.69	0.31	01/15/20 08:59	
Tetrahydrofuran	ug/m3	<0.26	0.60	0.26	01/15/20 08:59	
Toluene	ug/m3	<0.35	0.77	0.35	01/15/20 08:59	
trans-1,2-Dichloroethene	ug/m3	<0.28	0.81	0.28	01/15/20 08:59	
trans-1,3-Dichloropropene	ug/m3	<0.44	0.92	0.44	01/15/20 08:59	
Trichloroethene	ug/m3	<0.25	0.55	0.25	01/15/20 08:59	
Trichlorofluoromethane	ug/m3	<0.37	1.1	0.37	01/15/20 08:59	
Vinyl acetate	ug/m3	<0.27	0.72	0.27	01/15/20 08:59	
Vinyl chloride	ug/m3	<0.13	0.26	0.13	01/15/20 08:59	

LABORATORY CONTROL SAMPLE: 3519359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	56.9	103	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	70.1	100	70-132	
1,1,2-Trichloroethane	ug/m3	55.5	59.9	108	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	76.9	99	70-130	
1,1-Dichloroethane	ug/m3	41.1	41.2	100	70-130	
1,1-Dichloroethene	ug/m3	40.3	40.3	100	69-137	
1,2,4-Trichlorobenzene	ug/m3	75.4	64.4	85	70-130	
1,2,4-Trimethylbenzene	ug/m3	50	59.4	119	70-137	
1,2-Dibromoethane (EDB)	ug/m3	78.1	82.9	106	70-138	
1,2-Dichlorobenzene	ug/m3	61.1	67.8	111	70-136	
1,2-Dichloroethane	ug/m3	41.1	41.5	101	70-130	
1,2-Dichloropropane	ug/m3	47	50.4	107	70-132	
1,3,5-Trimethylbenzene	ug/m3	50	59.4	119	70-136	
1,3-Butadiene	ug/m3	22.5	23.1	103	67-139	
1,3-Dichlorobenzene	ug/m3	61.1	68.0	111	70-138	
1,4-Dichlorobenzene	ug/m3	61.1	67.1	110	70-145	
2-Butanone (MEK)	ug/m3	30	27.1	90	61-130	
2-Hexanone	ug/m3	41.6	52.0	125	70-138	
2-Propanol	ug/m3	125	133	107	70-136	
4-Ethyltoluene	ug/m3	50	62.1	124	70-142	

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

LABORATORY CONTROL SAMPLE: 3519359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.6	46.2	111	70-134	
Acetone	ug/m3	121	111	92	59-137	
Benzene	ug/m3	32.5	32.5	100	70-133	
Benzyl chloride	ug/m3	52.6	57.6	109	70-139	
Bromodichloromethane	ug/m3	68.1	70.7	104	70-130	
Bromoform	ug/m3	105	89.7	85	60-140	
Bromomethane	ug/m3	39.5	36.8	93	70-131	
Carbon disulfide	ug/m3	31.6	31.3	99	70-130	
Carbon tetrachloride	ug/m3	64	65.7	103	70-133	
Chlorobenzene	ug/m3	46.8	48.5	104	70-131	
Chloroethane	ug/m3	26.8	28.1	105	70-141	
Chloroform	ug/m3	49.6	51.1	103	70-130	
Chloromethane	ug/m3	21	20.3	97	64-137	
cis-1,2-Dichloroethene	ug/m3	40.3	41.4	103	70-132	
cis-1,3-Dichloropropene	ug/m3	46.1	51.1	111	70-138	
Cyclohexane	ug/m3	35	36.3	104	70-133	
Dibromochloromethane	ug/m3	86.6	84.5	98	70-139	
Dichlorodifluoromethane	ug/m3	50.3	48.8	97	70-130	
Dichlorotetrafluoroethane	ug/m3	71	69.2	97	65-133	
Ethanol	ug/m3	95.8	103	108	65-135	
Ethyl acetate	ug/m3	36.6	39.8	109	70-135	
Ethylbenzene	ug/m3	44.1	50.3	114	70-142	
Hexachloro-1,3-butadiene	ug/m3	108	109	101	70-134	
m&p-Xylene	ug/m3	88.3	105	119	70-141	
Methyl-tert-butyl ether	ug/m3	36.6	37.5	102	70-131	
Methylene Chloride	ug/m3	177	159	90	69-130	
n-Heptane	ug/m3	41.7	43.0	103	70-130	
n-Hexane	ug/m3	35.8	34.6	97	70-131	
Naphthalene	ug/m3	53.3	45.3	85	63-130	
o-Xylene	ug/m3	44.1	50.2	114	70-135	
Propylene	ug/m3	17.5	17.6	100	63-139	
Styrene	ug/m3	43.3	51.9	120	70-143	
Tetrachloroethene	ug/m3	68.9	73.5	107	70-136	
Tetrahydrofuran	ug/m3	30	34.9	116	70-137	
Toluene	ug/m3	38.3	41.5	108	70-136	
trans-1,2-Dichloroethene	ug/m3	40.3	39.5	98	70-132	
trans-1,3-Dichloropropene	ug/m3	46.1	49.3	107	70-139	
Trichloroethene	ug/m3	54.6	59.8	110	70-132	
Trichlorofluoromethane	ug/m3	57.1	56.7	99	65-136	
Vinyl acetate	ug/m3	35.8	25.3	71	66-140 SS	
Vinyl chloride	ug/m3	26	25.7	99	68-141	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

SAMPLE DUPLICATE: 3520311

Parameter	Units	10505203001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	26.3	27.3	4	25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.40		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.31		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	4.9	4.7	3	25	
1,1-Dichloroethane	ug/m3	ND	0.98J		25	
1,1-Dichloroethene	ug/m3	ND	<0.36		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<4.8		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<0.59		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.48		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.65		25	
1,2-Dichloroethane	ug/m3	ND	<0.20		25	
1,2-Dichloropropane	ug/m3	ND	<0.30		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.52		25	
1,3-Butadiene	ug/m3	ND	<0.17		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.76		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.3		25	
2-Butanone (MEK)	ug/m3	ND	2.1J		25	
2-Hexanone	ug/m3	ND	<0.97		25	
2-Propanol	ug/m3	ND	<0.91		25	
4-Ethyltoluene	ug/m3	ND	<0.74		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.67		25	
Acetone	ug/m3	14.3	14.6	2	25	
Benzene	ug/m3	0.67	0.66	3	25	
Benzyl chloride	ug/m3	ND	<1.6		25	
Bromodichloromethane	ug/m3	ND	<0.48		25	
Bromoform	ug/m3	ND	<1.8		25	
Bromomethane	ug/m3	ND	<0.30		25	
Carbon disulfide	ug/m3	ND	<0.28		25	
Carbon tetrachloride	ug/m3	ND	<0.56		25	
Chlorobenzene	ug/m3	ND	<0.36		25	
Chloroethane	ug/m3	ND	<0.34		25	
Chloroform	ug/m3	ND	<0.25		25	
Chloromethane	ug/m3	0.80	0.76	5	25	
cis-1,2-Dichloroethene	ug/m3	ND	0.76J		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.40		25	
Cyclohexane	ug/m3	ND	<0.46		25	
Dibromochloromethane	ug/m3	ND	<0.93		25	
Dichlorodifluoromethane	ug/m3	2.4	2.4	2	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.57		25	
Ethanol	ug/m3	20.1	19.7	2	25	
Ethyl acetate	ug/m3	ND	<0.25		25	
Ethylbenzene	ug/m3	ND	0.41J		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.6		25	
m&p-Xylene	ug/m3	ND	1.3J		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.86		25	
Methylene Chloride	ug/m3	5.4	5.2	4	25	
n-Heptane	ug/m3	ND	0.77J		25	

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

SAMPLE DUPLICATE: 3520311

Parameter	Units	10505203001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	0.95	0.99	4	25	
Naphthalene	ug/m3	ND	<1.7		25	
o-Xylene	ug/m3	ND	0.53J		25	
Propylene	ug/m3	ND	<0.18		25	
Styrene	ug/m3	ND	<0.45		25	
Tetrachloroethene	ug/m3	4.0	4.1	1	25	
Tetrahydrofuran	ug/m3	ND	<0.34		25	
Toluene	ug/m3	5.0	5.0	1	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.37		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.57		25	
Trichloroethene	ug/m3	12.3	12.3	0	25	
Trichlorofluoromethane	ug/m3	ND	1.3J		25	
Vinyl acetate	ug/m3	ND	<0.35		25	
Vinyl chloride	ug/m3	ND	<0.16		25	

SAMPLE DUPLICATE: 3520312

Parameter	Units	10505203002 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	<0.44		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.34		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<0.80		25	
1,1-Dichloroethane	ug/m3	ND	<0.32		25	
1,1-Dichloroethene	ug/m3	ND	<0.39		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<5.2		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<0.64		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.52		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.70		25	
1,2-Dichloroethane	ug/m3	ND	<0.21		25	
1,2-Dichloropropane	ug/m3	ND	<0.32		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.56		25	
1,3-Butadiene	ug/m3	ND	<0.18		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.82		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.4		25	
2-Butanone (MEK)	ug/m3	ND	1.3J		25	
2-Hexanone	ug/m3	ND	<1.1		25	
2-Propanol	ug/m3	ND	<0.98		25	
4-Ethyltoluene	ug/m3	ND	<0.80		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.73		25	
Acetone	ug/m3	11.1	11.4	3	25	
Benzene	ug/m3	0.69	0.71	3	25	
Benzyl chloride	ug/m3	ND	<1.7		25	
Bromodichloromethane	ug/m3	ND	<0.52		25	
Bromoform	ug/m3	ND	<2.0		25	
Bromomethane	ug/m3	ND	<0.32		25	

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

SAMPLE DUPLICATE: 3520312

Parameter	Units	10505203002 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	<0.31		25	
Carbon tetrachloride	ug/m3	ND	<0.60		25	
Chlorobenzene	ug/m3	ND	<0.39		25	
Chloroethane	ug/m3	ND	<0.37		25	
Chloroform	ug/m3	ND	<0.28		25	
Chloromethane	ug/m3	0.78	0.75	4	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.31		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.43		25	
Cyclohexane	ug/m3	ND	<0.50		25	
Dibromochloromethane	ug/m3	ND	<1.0		25	
Dichlorodifluoromethane	ug/m3	2.4	2.4	1	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.62		25	
Ethanol	ug/m3	14.2	15.1	6	25	
Ethyl acetate	ug/m3	ND	<0.27		25	
Ethylbenzene	ug/m3	ND	<0.43		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.8		25	
m&p-Xylene	ug/m3	ND	<0.99		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.93		25	
Methylene Chloride	ug/m3	5.2	5.3	1	25	
n-Heptane	ug/m3	ND	<0.54		25	
n-Hexane	ug/m3	ND	0.76J		25	
Naphthalene	ug/m3	ND	<1.8		25	
o-Xylene	ug/m3	ND	<0.49		25	
Propylene	ug/m3	ND	<0.20		25	
Styrene	ug/m3	ND	<0.49		25	
Tetrachloroethene	ug/m3	ND	<0.44		25	
Tetrahydrofuran	ug/m3	ND	<0.37		25	
Toluene	ug/m3	1.2	1.3	5	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.40		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.62		25	
Trichloroethene	ug/m3	ND	0.56J		25	
Trichlorofluoromethane	ug/m3	ND	1.4J		25	
Vinyl acetate	ug/m3	ND	<0.38		25	
Vinyl chloride	ug/m3	ND	<0.18		25	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

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.

TNTC - Too Numerous To Count

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10505193

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10505193001	SS-1	TO-15	654698		
10505193002	SS-2	TO-15	654698		
10505193003	DUP	TO-15	654698		
10505193004	IA-1	TO-15	654698		
10505193005	IA-2	TO-15	654698		
10505193006	IA-3	TO-15	654698		

REPORT OF LABORATORY ANALYSIS

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WO#: 10505193



10505193



R: CHAIN-OF-CUSTODY / Analytical Request Document

in-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: PARADY ENGINEERING Address: 6150 E 75th St Email: INDIANAPOLIS, IN Phone: scodg@paradyeng.com Requested Due Date/TAT: NORMAL		Section B Required Project Information: Report To: SAMES COOY Copy To: MIKE CASER Purchase Order No.: 10000000000000000000 Project Name: HOULMAD CANNING Project Number: 35198		Section C Invoice Information: Attention: ARQ@PARADYENG.COM Company Name: Address: Pace Quote Reference: Pace Project Manager/Sales Rep: Pace Profile #:		43228 Page: 1 of 1		
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		Report Level II. III. IV. Other		Program <input type="checkbox"/> UST 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		
ITEM # 1 2 3 4 5 6 7 8 9 10 11 12	SS-1 SS-2 DUB IA-1 IA-2 IA-3	MEDIA CODE 6LC 6LC 6LC 6LC 6LC 6LC 6LC 6LC 6LC 6LC 6LC	RFD Reading (Client only)	COLLECTED DATE TIME COMPOSITE START COMPOSITE END ENDIGRAB	Canister Pressure (Initial Field - In Hg) Canister Pressure (Final Field - In Hg) Summa Can Number Flow Control Number	Method: PM10 3C - Fixed Gas (%) TO-3 BTEX TO-3M (Methane) TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List (Other) Pace Lab ID		
Comments:		RELINQUISHED BY / AFFILIATION SAMES COOY/PARADY	DATE 11/16/20	TIME 16:00	ACCEPTED BY / AFFILIATION Van - PAC	DATE 11/30/20	TIME 10:50	SAMPLE CONDITIONS Temp in °C Received on Ice Custody Sealed Cooler Samples Intact
ORIGINAL		SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SAMES COOY SIGNATURE OF SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YYYY): 01/09/20		RECEIVED BY / AFFILIATION DATE TIME		SAMPLE CONDITIONS Temp in °C Received on Ice Custody Sealed Cooler Samples Intact		



Document Name:
Air Sample Condition Upon Receipt

Document Revised: 19Nov2019
Page 1 of 1

Document No.:
F-MN-A-106-rev.20

Pace Analytical Services -
Minneapolis

**Air Sample Condition
Upon Receipt**

Client Name:
Patriot

Project #:

WO#: 10505193

PM: CT1

Due Date: 01/20/20

CLIENT: PATRIOT

Courier: Fed Ex UPS USPS Client
 Pace Speedee Commercial See Exception

Tracking Number: *1083 0283 5490/5468*

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): _____ Corrected Temp (°C): _____ Thermometer Used: G87A9170600254
 G87A9155100842

Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: *1/13/20*

Type of ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	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	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used? (Tedlar bags not acceptable container for TO-14, TO-15 or APH) -Pace Containers Used?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Containers Intact? (visual inspection/no leaks when pressurized)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <input checked="" type="checkbox"/> Air Can <input type="checkbox"/> Airbag <input type="checkbox"/> Filter <input type="checkbox"/> TDT <input type="checkbox"/> Passive		11. Individually Certified Cans Y N (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.

Gauge # 10AIR26 10AIR34 10AIR35 4097

Canisters

Canisters

Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<i>SS-1</i>	<i>2091</i>	<i>1021</i>	<i>-4</i>	<i>+5</i>					
<i>SS-2</i>	<i>3553</i>	<i>6343</i>	<i>-4</i>	<i>+5</i>					
<i>Duo</i>	<i>2413</i>	<i>0879</i>	<i>-4</i>	<i>+5</i>					
<i>1A-1</i>	<i>1727</i>	<i>0541</i>	<i>-5</i>	<i>+5</i>					
<i>1A-2</i>	<i>3596</i>	<i>1424</i>	<i>-5</i>	<i>+5</i>					
<i>1A-3</i>	<i>2624</i>	<i>1871</i>	<i>-4</i>	<i>+5</i>					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: *Carynne Hunt*

Date: 1/14/20