



**PATRIOT ENGINEERING
and ENVIRONMENTAL, Inc.**

Engineering Value for Project Success

March 31, 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 #2
Supplemental Vapor Intrusion Investigation
Hurricane Road Industrial Development, LLC
Indiana Gymnastics Center Building
1130 Eastview Drive, Franklin, Indiana
IDEM Site Identification Number 2013-42015
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 #2.

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. 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. These data did not indicate that VI was occurring in the Gymnastics Building but additional investigation was recommended to further document site conditions and whether a source of indoor air impacts is associated with operations in the building. Patriot conducted its Supplemental VI Investigation Sampling Event #1 in January 2020. Prior to sampling, two sub-slab sampling points were installed to allow for paired sub-slab soil vapor and indoor air sampling. The results from sampling event #1 indicated that TCE was present in the sub-slab soil vapor sample SS-2 at a concentration exceeding the RCG Residential IASL. None of the three indoor air samples contained TCE at concentrations exceeding the RCG screening levels.

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 layout of the building and the sampling locations are shown on the Sample Location Map included as Figure 1 in Attachment A.

INVESTIGATION METHODOLOGY

The Supplemental VI Investigation Sampling Event #2 was performed in the Gymnastics Building on February 17 and February 18, 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. Indoor air sample IA-1 was paired sub-slab soil vapor sample SS-1 while indoor air sample IA-3 was paired with sub-slab soil vapor sample SS-3. 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 prior to conducting the Supplemental VI Investigation 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. At the completion of sampling the flow controller was closed.

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 Summa canister and flow controller ID numbers were recorded on a field log, along with the sampling start and finish times and the initial and final canister vacuums. 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. 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 indoor air and sub-slab soil gas 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).

Indoor Air Sample Results

The analytical results for the indoor air samples were compared to the RCG Residential and Commercial/Industrial IASLs. Detectable concentrations of VOCs were reported in all three of the indoor air samples as discussed below:

- TCE was reported at concentrations ranging from 0.45(J) to 8.4 micrograms per cubic meter (ug/m^3) in the three indoor air samples collected at the Site. TCE was detected in sample IA-2 at a concentration of $8.4 \text{ ug}/\text{m}^3$ which exceeds the RCG Residential IASL of $2.1 \text{ ug}/\text{m}^3$ but is below the RCG Commercial/Industrial IASL of $8.8 \text{ ug}/\text{m}^3$. The TCE concentrations reported in samples IA-1 and IA-3 exceeded laboratory detection limits but were below the RCG IASLs.
- The COCs PCE and cis-1,2-DCE were not detected in any of the indoor air samples. The COC trans-1,2-DCE was reported at a concentration of $4 \text{ ug}/\text{m}^3$ in indoor air sample IA-3. No RCG IASLs have been established for trans-1,2 DCE.

- Naphthalene was detected at an estimated 'j-value' concentration of 2.2 ug/m³ in indoor air sample IA-2, which exceeds the RCG Residential IASL of 0.83 ug/m³ but is below the RCG Commercial/Industrial IASL of 3.6 ug/m³. Naphthalene was not detected at concentrations above laboratory detection limits in any of the other indoor air samples collected during this sampling event.
- As shown on Table 1, several other 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, and hexachloro-1,3,-butadiene. 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 Soil Vapor Sample Results

The analytical results for the sub-slab soil 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). Detectable concentrations of the COCs TCE, PCE and trans-1,2-DCE were reported in one or more sub-slab soil vapor samples as discussed below:

- TCE was reported at concentrations of 0.97 ug/m³ in sub-slab soil vapor sample SS-1 and 44 ug/m³ in sub-slab soil vapor sample SS-2. Both concentrations exceed the laboratory detection limit but are below all RCG screening levels.
- PCE was not detected in the sub-slab soil gas sample SS-1 and was reported at a concentration of 1.5 ug/m³ in sub-slab soil gas sample SS-2, which is below RCG Residential and Commercial/Industrial SGSSLs.
- Trans-1,2-DCE was not detected in the sub-slab soil gas sample SS-1 and was reported at a concentration of 2.0 ug/m³ in sub-slab soil gas sample SS-2. No RCG SGSSLs have been established for trans-1,2-DCE.
- As shown on Table 1, several other non-COC VOCs were reported in the sub-slab soil vapor samples at concentrations well below their RCG Residential SGSSLs.

CONCLUSIONS

Patriot has completed the Supplemental VI Investigation Sampling Event #2 at the Gymnastics Building on the HRID property in Franklin, Indiana. The investigation consisted of the collection and analysis of three indoor air samples and two sub-slab soil vapor samples. Analysis of the samples revealed that TCE and naphthalene exceeded the RCG Residential IASLs in sample IA-2 but neither compound exceeded the RCG Commercial/Industrial IASLs. TCE was also detected at a concentration above the RCG Residential SGSSL but below the RCG Commercial/Industrial SGSSL in sub-slab soil vapor sample SS-2. TCE was not reported at concentrations above the RCG Residential IASLs in any of the other indoor air samples collected during the Supplemental VI Investigation Sampling Events #1 and #2.

Naphthalene was detected in sub-slab soil vapor sample SS-1 at a concentration well below the RCG Residential SGSSL and less than the reported concentration in indoor air sample IA-2, indicating that the naphthalene detected in the indoor air sample is not the result of vapor intrusion. Naphthalene was not detected in any of the other indoor air or sub-slab soil vapor samples collected during the Supplemental VI Investigation Sampling Events #1 and #2.

No other VOCs exceeded the RCG Residential or Commercial/Industrial IASLs or SGSSLs.

The third and final VI sampling event will be performed at the Site in early April 2020 and a final report for the Supplemental VI Investigation will be prepared and issued to IDEM following completion of the third VI sampling event. 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



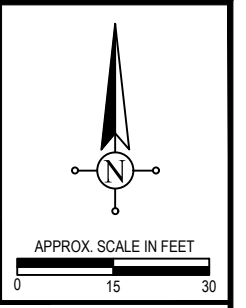
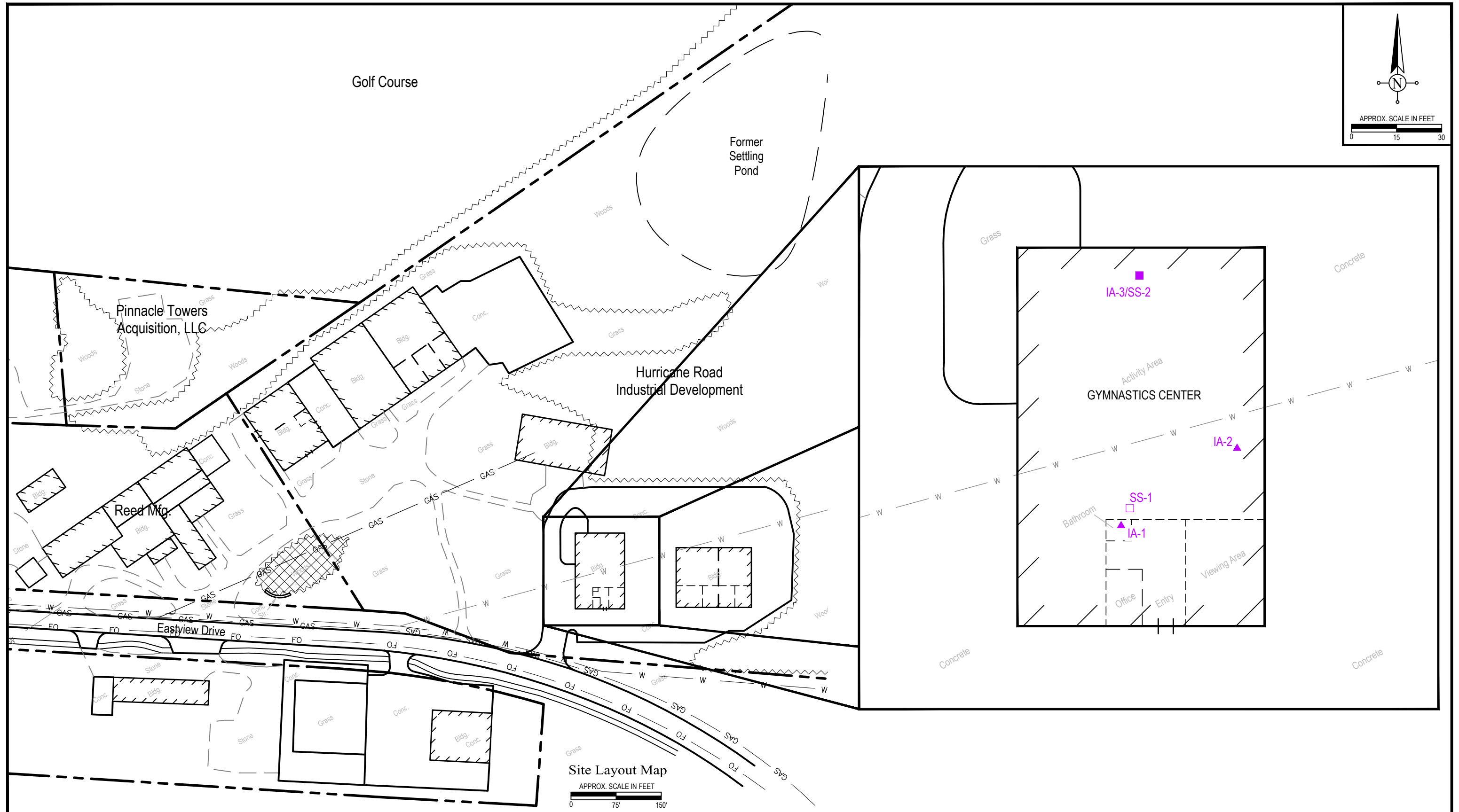
Michael F. Casper, LPG
Principal
Chief Environmental Consultant

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 or 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.



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VIA Field Sampling Data Sheet

Date: 2/17-2/18 Sampler Name: JAMES CODY

VIA Sampling Location/Address: GYMNASIUM 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: COLD WIND 39°

Leak Testing Before Sampling?: N/A

Well Purged Prior to Sampling?: N/A

Sample Start Time: 16:10

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

Sample End Time: 14:51

Vacuum Reading of Sample Can at End of Sampling: -6

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? NO



VIA Field Sampling Data Sheet

Date: 2/17-2/18 Sampler Name: JAMES CODY

VIA Sampling Location/Address: GYMNASIUM CENTER

Sample ID: SS-1

Sample Location: OUTSIDE BATHROOM DOOR

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

Type of Sample Container: 6L SUMMA

Weather Conditions at Time of Sampling: COLD DRY 39°

Leak Testing Before Sampling?: N/A

Well Purged Prior to Sampling?: YES

Sample Start Time: 16:11

Vacuum Reading of Sample Can at Start of Sampling: -23

Sample End Time: 14:50

Vacuum Reading of Sample Can at End of Sampling: 0

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? YES



VIA Field Sampling Data Sheet

Date: 2/17-2/18 Sampler Name: JAMES CODY

VIA Sampling Location/Address: GYMNASIUM CENTER

Sample ID: IA-2

Sample Location: SE WALL OF BUILDING

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: COLD DRY 39°

Leak Testing Before Sampling?: N/A

Well Purged Prior to Sampling?: N/A

Sample Start Time: 16:09

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

Sample End Time: 14:53

Vacuum Reading of Sample Can at End of Sampling: ~~14:53~~ -13

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? NO



VIA Field Sampling Data Sheet

Date: 2/17-2/18 Sampler Name: JAMES CODY

VIA Sampling Location/Address: GYMNASIUM CENTER

Sample ID: SS-2

Sample Location: NORTH SIDE OF BUILDING

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

Type of Sample Container: 6L SUMMA

Weather Conditions at Time of Sampling: COLD DRY 39°

Leak Testing Before Sampling?: NO

Well Purged Prior to Sampling?: YES

Sample Start Time: 16:10

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

Sample End Time: 14:55

Vacuum Reading of Sample Can at End of Sampling: -13

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? NO



VIA Field Sampling Data Sheet

Date: 2/17-2/18 Sampler Name: JAMES COOY

VIA Sampling Location/Address: GYMNASIUM CENTER

Sample ID: IA-3

Sample Location: NORTH SIDE OF BUILDING

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: COLD DRY 39°

Leak Testing Before Sampling?: N/A

Well Purged Prior to Sampling?: N/A

Sample Start Time: 16:10

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

Sample End Time: 14:56

Vacuum Reading of Sample Can at End of Sampling: -8

Laboratory Analysis Requested: TO-15

Duplicate Sample Collected? NO

ATTACHMENT C

ANALYTICAL DATA SUMMARY TABLE

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

Sample Identification	Date Collected	Indoor-Air																						All Remaining VOCs			
		1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Propanol	Acetone	Benzene	Carbon disulfide	Chloromethane	Cyclohexane	Dichlorodifluoromethane	Ethanol	Ethyl acetate	Ethylbenzene	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	m & p-Xylene	n-Heptane		n-Hexane	o-Xylene	trans-1,2-Dichloroethene
IA-1	01/07/2020	<0.73	<0.64	2.6 J	15.4	28	0.94	<1.0	0.98	<0.57	3.0	405	2.8	<0.49	7.7	<2.0	<1.4	0.59 J	3.2	0.79 J	1.7 J	1.4 J	0.62 J	1.3	<0.55	<1.3	BRL
	02/18/2020	<0.70	<0.62	2.3 J	87.6	444	0.64	<0.34	<0.24	<0.55	2.5	2350	<0.29	<0.47	<1.9	<2.0	<0.53	<0.49	1.5	0.45 J	1.5 J	<1.1	<0.59	0.56 J	<0.53	<0.44	BRL
IA-2	01/07/2020	<0.73	<0.64	2.1 J	10.2	26.6	0.79	<1.0	0.7	<0.57	2.4	124	<0.31	<0.49	5.4 J	<2.0	<1.4	<0.51	3.2	1.1	1.5 J	<1.1	<0.61	0.91 J	<0.55	<1.3	BRL
	02/18/2020	1.5	<0.55	5.1	69.5	164	0.83	0.87 J	1.1	0.87 J	2.6	1060	10.9	0.79 J	<1.7	2.2 J	0.49 J	<0.44	11.6	8.4	1.4 J	3.0	0.90 J	1.3	1.5	<0.40	BRL
IA-3	01/07/2020	<0.70	<0.62	3.0 J	10.6	29.8	0.8	<0.98	0.85	<0.55	2.6	120	<0.29	<0.47	2.8 J	<2.0	<1.3	<0.49	3.4	1.3	1.7 J	1.2 J	<0.59	0.84 J	<0.53	<1.2	BRL
	02/18/2020	<0.73	<0.64	1.8 J	76.9	174	0.72	<0.35	1.6	<0.57	2.9	1310	2.2	<0.49	<1.9	<2.1	<0.55	<0.51	1.4	0.68 J	1.6 J	<1.1	<0.61	<0.50	<0.55	4.0	BRL
IDEM RCG Residential Indoor Air VESLs		63	63	5,200	210	32,000	3.6	730	94	6,300	100	NE	73	11	630	0.83	1,000	42	5,200	2.1	NE	NE	420	730	100	NE	Varies
IDEM RCG Industrial Indoor Air VESLs		260	260	22,000	880	140,000	16	3,100	390	26,000	440	NE	310	49	2,600	3.6	4,400	180	22,000	8.8	NE	NE	1,800	3,100	440	NE	Varies
		Sub-Slab Soil Vapor																									
SS-1	01/07/2020	2.3	1.0 J	3.6 J	30.8	113	1.9	<0.98	<0.24	1.8 J	\$3.0	787	2.4	2.2	5.6	<2.0	<1.3	1.2	8.6	5.8	1.5 J	9.6	2.9	5.1	3.0	<1.2	BRL
	DUP (SS-1)	0.64 J	<0.53	2.9 J	195	34.9	0.63	<0.29	<0.21	<0.47	2.6	527	3.4	<0.41	<1.6	1.8 J	<0.46	<0.42	1.8	0.97	1.4 J	<0.94	<0.51	0.65 J	<0.46	<0.38	BRL
SS-2	01/07/2020	2.8	1.0 J	3.5 J	22	81.3	3.5	<0.98	<0.24	4.3	3.0	447	2.1	2.9	4.4 J	<2.0	<1.3	42.6	11.6	263	1.5 J	11.4	5.2	5.2	3.4	<1.2	BRL
	DUP (SS-2)	2.9	1.2 J	3.3 J	22	78.5	3.7	<0.98	<0.24	4.4	2.9	454	2	2.9	5.5	<2.0	<1.3	43.3	10.9	254	1.4 J	11.5	4.8	5.5	3.7	<1.2	BRL
SS-2	02/18/2020	1.7	<0.62	0.67 J	<1.1	34.5	0.75	<0.34	<0.24	<0.55	1.9	<1.3	0.60 J	1.1 J	<1.9	<2.0	<0.53	1.5	4.7	44	1.0 J	4.3	1.0 J	1.8	1.8	2.0	BRL
	IDEM RCG Residential SGSSLs	2,100	2,100	173,333	7,000	1,066,667	120	24,333	3,133	210,000	3,333	NE	2,433	367	21,000	28	33,333	1,400	173,333	70	NE	NE	14,000	24,333	3,333	NE	Varies
IDEM RCG Industrial SGSSLs		8,667	8,667	733,333	29,333	4,666,667	533	103,333	13,000	866,667	14,667	NE	10,333	1,633	86,667	120	146,667	6,000	733,333	293	NE	NE	60,000	103,333	14,667	NE	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

March 04, 2020

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

RE: Project: GYMNASTICS CENTER-Revised Report
Pace Project No.: 10509607

Dear Mike Casper:

Enclosed are the analytical results for sample(s) received by the laboratory on February 24, 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 March 4, 2020, to report to the Method Detection Limits.

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

Sincerely,



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

Enclosures

cc: James Cody, Patriot Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

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.: 10509607

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10509607001	IA-1	Air	02/18/20 14:51	02/24/20 11:15
10509607002	IA-2	Air	02/18/20 14:53	02/24/20 11:15
10509607003	IA-3	Air	02/18/20 14:50	02/24/20 11:15
10509607004	SS-1	Air	02/18/20 14:50	02/24/20 11:15
10509607005	SS-2	Air	02/18/20 14:55	02/24/20 11:15
10509607006	DUP	Air	02/18/20 00:00	02/24/20 11:15

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SAMPLE ANALYTE COUNT

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10509607001	IA-1	TO-15	MLS	61
10509607002	IA-2	TO-15	MLS	61
10509607003	IA-3	TO-15	MLS	61
10509607004	SS-1	TO-15	MLS	61
10509607005	SS-2	TO-15	MLS	61
10509607006	DUP	TO-15	MLS	61

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PROJECT NARRATIVE

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Method: TO-15

Description: TO15 MSV AIR

Client: Patriot Engineering-IN

Date: March 04, 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: 662634

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: 3555657)
- 1,2,4-Trichlorobenzene

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: 662634

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

- IA-1 (Lab ID: 10509607001)
 - Ethanol
- IA-2 (Lab ID: 10509607002)
 - Ethanol
- IA-3 (Lab ID: 10509607003)
 - 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.: 10509607

Sample: IA-1 **Lab ID:** 10509607001 Collected: 02/18/20 14:51 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Acetone	444	ug/m3	3.7	1.9	1.55		03/01/20 21:03	67-64-1	
Benzene	0.64	ug/m3	0.50	0.24	1.55		03/01/20 21:03	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.1	1.9	1.55		03/01/20 21:03	100-44-7	
Bromodichloromethane	<0.57	ug/m3	2.1	0.57	1.55		03/01/20 21:03	75-27-4	
Bromoform	<2.2	ug/m3	8.1	2.2	1.55		03/01/20 21:03	75-25-2	
Bromomethane	<0.35	ug/m3	1.2	0.35	1.55		03/01/20 21:03	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.70	0.20	1.55		03/01/20 21:03	106-99-0	
2-Butanone (MEK)	2.3J	ug/m3	4.6	0.57	1.55		03/01/20 21:03	78-93-3	
Carbon disulfide	<0.34	ug/m3	0.98	0.34	1.55		03/01/20 21:03	75-15-0	
Carbon tetrachloride	<0.66	ug/m3	2.0	0.66	1.55		03/01/20 21:03	56-23-5	
Chlorobenzene	<0.43	ug/m3	1.5	0.43	1.55		03/01/20 21:03	108-90-7	
Chloroethane	<0.40	ug/m3	0.83	0.40	1.55		03/01/20 21:03	75-00-3	
Chloroform	<0.30	ug/m3	0.77	0.30	1.55		03/01/20 21:03	67-66-3	
Chloromethane	<0.24	ug/m3	0.65	0.24	1.55		03/01/20 21:03	74-87-3	
Cyclohexane	<0.55	ug/m3	2.7	0.55	1.55		03/01/20 21:03	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.7	1.1	1.55		03/01/20 21:03	124-48-1	
1,2-Dibromoethane (EDB)	<0.57	ug/m3	1.2	0.57	1.55		03/01/20 21:03	106-93-4	
1,2-Dichlorobenzene	<0.77	ug/m3	1.9	0.77	1.55		03/01/20 21:03	95-50-1	
1,3-Dichlorobenzene	<0.90	ug/m3	1.9	0.90	1.55		03/01/20 21:03	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.7	1.6	1.55		03/01/20 21:03	106-46-7	
Dichlorodifluoromethane	2.5	ug/m3	1.6	0.45	1.55		03/01/20 21:03	75-71-8	
1,1-Dichloroethane	<0.35	ug/m3	1.3	0.35	1.55		03/01/20 21:03	75-34-3	
1,2-Dichloroethane	<0.23	ug/m3	0.64	0.23	1.55		03/01/20 21:03	107-06-2	
1,1-Dichloroethene	<0.42	ug/m3	1.2	0.42	1.55		03/01/20 21:03	75-35-4	
cis-1,2-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.55		03/01/20 21:03	156-59-2	
trans-1,2-Dichloroethene	<0.44	ug/m3	1.2	0.44	1.55		03/01/20 21:03	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.5	0.36	1.55		03/01/20 21:03	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/m3	1.4	0.47	1.55		03/01/20 21:03	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/m3	1.4	0.68	1.55		03/01/20 21:03	10061-02-6	
Dichlorotetrafluoroethane	<0.68	ug/m3	2.2	0.68	1.55		03/01/20 21:03	76-14-2	
Ethanol	2350	ug/m3	3.0	1.3	1.55		03/01/20 21:03	64-17-5	E
Ethyl acetate	<0.29	ug/m3	1.1	0.29	1.55		03/01/20 21:03	141-78-6	
Ethylbenzene	<0.47	ug/m3	1.4	0.47	1.55		03/01/20 21:03	100-41-4	
4-Ethyltoluene	<0.88	ug/m3	3.9	0.88	1.55		03/01/20 21:03	622-96-8	
n-Heptane	<0.59	ug/m3	1.3	0.59	1.55		03/01/20 21:03	142-82-5	
Hexachloro-1,3-butadiene	<3.1	ug/m3	8.4	3.1	1.55		03/01/20 21:03	87-68-3	
n-Hexane	0.56J	ug/m3	1.1	0.48	1.55		03/01/20 21:03	110-54-3	
2-Hexanone	<1.2	ug/m3	6.4	1.2	1.55		03/01/20 21:03	591-78-6	
Methylene Chloride	<1.9	ug/m3	13.7	1.9	1.55		03/01/20 21:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.80	ug/m3	6.4	0.80	1.55		03/01/20 21:03	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/m3	5.7	1.0	1.55		03/01/20 21:03	1634-04-4	
Naphthalene	<2.0	ug/m3	4.1	2.0	1.55		03/01/20 21:03	91-20-3	
2-Propanol	87.6	ug/m3	3.9	1.1	1.55		03/01/20 21:03	67-63-0	
Propylene	<0.22	ug/m3	0.54	0.22	1.55		03/01/20 21:03	115-07-1	
Styrene	<0.53	ug/m3	1.3	0.53	1.55		03/01/20 21:03	100-42-5	
1,1,2,2-Tetrachloroethane	<0.48	ug/m3	1.1	0.48	1.55		03/01/20 21:03	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Sample: IA-1 Lab ID: 10509607001 Collected: 02/18/20 14:51 Received: 02/24/20 11:15 Matrix: Air									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	<0.49	ug/m3	1.1	0.49	1.55		03/01/20 21:03	127-18-4	
Tetrahydrofuran	<0.40	ug/m3	0.93	0.40	1.55		03/01/20 21:03	109-99-9	
Toluene	1.5	ug/m3	1.2	0.54	1.55		03/01/20 21:03	108-88-3	
1,2,4-Trichlorobenzene	<5.8	ug/m3	11.7	5.8	1.55		03/01/20 21:03	120-82-1	
1,1,1-Trichloroethane	<0.48	ug/m3	1.7	0.48	1.55		03/01/20 21:03	71-55-6	
1,1,2-Trichloroethane	<0.38	ug/m3	0.86	0.38	1.55		03/01/20 21:03	79-00-5	
Trichloroethene	0.45J	ug/m3	0.85	0.39	1.55		03/01/20 21:03	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	1.8	0.57	1.55		03/01/20 21:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.87	ug/m3	2.4	0.87	1.55		03/01/20 21:03	76-13-1	
1,2,4-Trimethylbenzene	<0.70	ug/m3	1.5	0.70	1.55		03/01/20 21:03	95-63-6	
1,3,5-Trimethylbenzene	<0.62	ug/m3	1.5	0.62	1.55		03/01/20 21:03	108-67-8	
Vinyl acetate	<0.42	ug/m3	1.1	0.42	1.55		03/01/20 21:03	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.40	0.20	1.55		03/01/20 21:03	75-01-4	
m&p-Xylene	<1.1	ug/m3	2.7	1.1	1.55		03/01/20 21:03	179601-23-1	
o-Xylene	<0.53	ug/m3	1.4	0.53	1.55		03/01/20 21:03	95-47-6	

Sample: IA-2 Lab ID: 10509607002 Collected: 02/18/20 14:53 Received: 02/24/20 11:15 Matrix: Air									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	164	ug/m3	3.3	1.7	1.39		03/01/20 21:31	67-64-1	
Benzene	0.83	ug/m3	0.45	0.21	1.39		03/01/20 21:31	71-43-2	
Benzyl chloride	<1.7	ug/m3	3.7	1.7	1.39		03/01/20 21:31	100-44-7	
Bromodichloromethane	<0.51	ug/m3	1.9	0.51	1.39		03/01/20 21:31	75-27-4	
Bromoform	<2.0	ug/m3	7.3	2.0	1.39		03/01/20 21:31	75-25-2	
Bromomethane	<0.32	ug/m3	1.1	0.32	1.39		03/01/20 21:31	74-83-9	
1,3-Butadiene	<0.18	ug/m3	0.63	0.18	1.39		03/01/20 21:31	106-99-0	
2-Butanone (MEK)	5.1	ug/m3	4.2	0.51	1.39		03/01/20 21:31	78-93-3	
Carbon disulfide	0.87J	ug/m3	0.88	0.30	1.39		03/01/20 21:31	75-15-0	
Carbon tetrachloride	<0.60	ug/m3	1.8	0.60	1.39		03/01/20 21:31	56-23-5	
Chlorobenzene	<0.38	ug/m3	1.3	0.38	1.39		03/01/20 21:31	108-90-7	
Chloroethane	<0.36	ug/m3	0.75	0.36	1.39		03/01/20 21:31	75-00-3	
Chloroform	<0.27	ug/m3	0.69	0.27	1.39		03/01/20 21:31	67-66-3	
Chloromethane	1.1	ug/m3	0.58	0.22	1.39		03/01/20 21:31	74-87-3	
Cyclohexane	0.87J	ug/m3	2.4	0.49	1.39		03/01/20 21:31	110-82-7	
Dibromochloromethane	<1.0	ug/m3	2.4	1.0	1.39		03/01/20 21:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.51	ug/m3	1.1	0.51	1.39		03/01/20 21:31	106-93-4	
1,2-Dichlorobenzene	<0.69	ug/m3	1.7	0.69	1.39		03/01/20 21:31	95-50-1	
1,3-Dichlorobenzene	<0.81	ug/m3	1.7	0.81	1.39		03/01/20 21:31	541-73-1	
1,4-Dichlorobenzene	<1.4	ug/m3	4.3	1.4	1.39		03/01/20 21:31	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	1.4	0.41	1.39		03/01/20 21:31	75-71-8	
1,1-Dichloroethane	<0.31	ug/m3	1.1	0.31	1.39		03/01/20 21:31	75-34-3	
1,2-Dichloroethane	<0.21	ug/m3	0.57	0.21	1.39		03/01/20 21:31	107-06-2	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Sample: IA-2 Lab ID: 10509607002 Collected: 02/18/20 14:53 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
1,1-Dichloroethene	<0.38	ug/m3	1.1	0.38	1.39		03/01/20 21:31	75-35-4	
cis-1,2-Dichloroethene	<0.30	ug/m3	1.1	0.30	1.39		03/01/20 21:31	156-59-2	
trans-1,2-Dichloroethene	<0.40	ug/m3	1.1	0.40	1.39		03/01/20 21:31	156-60-5	
1,2-Dichloropropane	<0.32	ug/m3	1.3	0.32	1.39		03/01/20 21:31	78-87-5	
cis-1,3-Dichloropropene	<0.42	ug/m3	1.3	0.42	1.39		03/01/20 21:31	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/m3	1.3	0.61	1.39		03/01/20 21:31	10061-02-6	
Dichlorotetrafluoroethane	<0.61	ug/m3	2.0	0.61	1.39		03/01/20 21:31	76-14-2	
Ethanol	1060	ug/m3	2.7	1.1	1.39		03/01/20 21:31	64-17-5	E
Ethyl acetate	10.9	ug/m3	1.0	0.26	1.39		03/01/20 21:31	141-78-6	
Ethylbenzene	0.79J	ug/m3	1.2	0.42	1.39		03/01/20 21:31	100-41-4	
4-Ethyltoluene	<0.79	ug/m3	3.5	0.79	1.39		03/01/20 21:31	622-96-8	
n-Heptane	0.90J	ug/m3	1.2	0.53	1.39		03/01/20 21:31	142-82-5	
Hexachloro-1,3-butadiene	<2.7	ug/m3	7.5	2.7	1.39		03/01/20 21:31	87-68-3	
n-Hexane	1.3	ug/m3	1.0	0.43	1.39		03/01/20 21:31	110-54-3	
2-Hexanone	<1.0	ug/m3	5.8	1.0	1.39		03/01/20 21:31	591-78-6	
Methylene Chloride	<1.7	ug/m3	12.3	1.7	1.39		03/01/20 21:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.72	ug/m3	5.8	0.72	1.39		03/01/20 21:31	108-10-1	
Methyl-tert-butyl ether	<0.92	ug/m3	5.1	0.92	1.39		03/01/20 21:31	1634-04-4	
Naphthalene	2.2J	ug/m3	3.7	1.8	1.39		03/01/20 21:31	91-20-3	
2-Propanol	69.5	ug/m3	3.5	0.97	1.39		03/01/20 21:31	67-63-0	
Propylene	<0.19	ug/m3	0.49	0.19	1.39		03/01/20 21:31	115-07-1	
Styrene	0.49J	ug/m3	1.2	0.48	1.39		03/01/20 21:31	100-42-5	
1,1,2,2-Tetrachloroethane	<0.43	ug/m3	0.97	0.43	1.39		03/01/20 21:31	79-34-5	
Tetrachloroethene	<0.44	ug/m3	0.96	0.44	1.39		03/01/20 21:31	127-18-4	
Tetrahydrofuran	<0.36	ug/m3	0.83	0.36	1.39		03/01/20 21:31	109-99-9	
Toluene	11.6	ug/m3	1.1	0.49	1.39		03/01/20 21:31	108-88-3	
1,2,4-Trichlorobenzene	<5.2	ug/m3	10.5	5.2	1.39		03/01/20 21:31	120-82-1	
1,1,1-Trichloroethane	<0.43	ug/m3	1.5	0.43	1.39		03/01/20 21:31	71-55-6	
1,1,2-Trichloroethane	<0.34	ug/m3	0.77	0.34	1.39		03/01/20 21:31	79-00-5	
Trichloroethene	8.4	ug/m3	0.76	0.35	1.39		03/01/20 21:31	79-01-6	
Trichlorofluoromethane	1.4J	ug/m3	1.6	0.51	1.39		03/01/20 21:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.78	ug/m3	2.2	0.78	1.39		03/01/20 21:31	76-13-1	
1,2,4-Trimethylbenzene	1.5	ug/m3	1.4	0.63	1.39		03/01/20 21:31	95-63-6	
1,3,5-Trimethylbenzene	<0.55	ug/m3	1.4	0.55	1.39		03/01/20 21:31	108-67-8	
Vinyl acetate	<0.38	ug/m3	1.0	0.38	1.39		03/01/20 21:31	108-05-4	
Vinyl chloride	<0.18	ug/m3	0.36	0.18	1.39		03/01/20 21:31	75-01-4	
m&p-Xylene	3.0	ug/m3	2.5	0.97	1.39		03/01/20 21:31	179601-23-1	
o-Xylene	1.5	ug/m3	1.2	0.48	1.39		03/01/20 21:31	95-47-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Sample: IA-3 **Lab ID: 10509607003** Collected: 02/18/20 14:50 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	174	ug/m3	3.9	1.9	1.61		03/01/20 22:00	67-64-1	
Benzene	0.72	ug/m3	0.52	0.25	1.61		03/01/20 22:00	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.2	1.9	1.61		03/01/20 22:00	100-44-7	
Bromodichloromethane	<0.59	ug/m3	2.2	0.59	1.61		03/01/20 22:00	75-27-4	
Bromoform	<2.3	ug/m3	8.5	2.3	1.61		03/01/20 22:00	75-25-2	
Bromomethane	<0.37	ug/m3	1.3	0.37	1.61		03/01/20 22:00	74-83-9	
1,3-Butadiene	<0.21	ug/m3	0.72	0.21	1.61		03/01/20 22:00	106-99-0	
2-Butanone (MEK)	1.8J	ug/m3	4.8	0.59	1.61		03/01/20 22:00	78-93-3	
Carbon disulfide	<0.35	ug/m3	1.0	0.35	1.61		03/01/20 22:00	75-15-0	
Carbon tetrachloride	<0.69	ug/m3	2.1	0.69	1.61		03/01/20 22:00	56-23-5	
Chlorobenzene	<0.44	ug/m3	1.5	0.44	1.61		03/01/20 22:00	108-90-7	
Chloroethane	<0.42	ug/m3	0.86	0.42	1.61		03/01/20 22:00	75-00-3	
Chloroform	<0.32	ug/m3	0.80	0.32	1.61		03/01/20 22:00	67-66-3	
Chloromethane	1.6	ug/m3	0.68	0.25	1.61		03/01/20 22:00	74-87-3	
Cyclohexane	<0.57	ug/m3	2.8	0.57	1.61		03/01/20 22:00	110-82-7	
Dibromochloromethane	<1.2	ug/m3	2.8	1.2	1.61		03/01/20 22:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.59	ug/m3	1.3	0.59	1.61		03/01/20 22:00	106-93-4	
1,2-Dichlorobenzene	<0.80	ug/m3	2.0	0.80	1.61		03/01/20 22:00	95-50-1	
1,3-Dichlorobenzene	<0.94	ug/m3	2.0	0.94	1.61		03/01/20 22:00	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.9	1.6	1.61		03/01/20 22:00	106-46-7	
Dichlorodifluoromethane	2.9	ug/m3	1.6	0.47	1.61		03/01/20 22:00	75-71-8	
1,1-Dichloroethane	<0.36	ug/m3	1.3	0.36	1.61		03/01/20 22:00	75-34-3	
1,2-Dichloroethane	<0.24	ug/m3	0.66	0.24	1.61		03/01/20 22:00	107-06-2	
1,1-Dichloroethene	<0.44	ug/m3	1.3	0.44	1.61		03/01/20 22:00	75-35-4	
cis-1,2-Dichloroethene	<0.35	ug/m3	1.3	0.35	1.61		03/01/20 22:00	156-59-2	
trans-1,2-Dichloroethene	4.0	ug/m3	1.3	0.46	1.61		03/01/20 22:00	156-60-5	
1,2-Dichloropropane	<0.37	ug/m3	1.5	0.37	1.61		03/01/20 22:00	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.5	0.49	1.61		03/01/20 22:00	10061-01-5	
trans-1,3-Dichloropropene	<0.71	ug/m3	1.5	0.71	1.61		03/01/20 22:00	10061-02-6	
Dichlorotetrafluoroethane	<0.70	ug/m3	2.3	0.70	1.61		03/01/20 22:00	76-14-2	
Ethanol	1310	ug/m3	3.1	1.3	1.61		03/01/20 22:00	64-17-5	E
Ethyl acetate	2.2	ug/m3	1.2	0.31	1.61		03/01/20 22:00	141-78-6	
Ethylbenzene	<0.49	ug/m3	1.4	0.49	1.61		03/01/20 22:00	100-41-4	
4-Ethyltoluene	<0.92	ug/m3	4.0	0.92	1.61		03/01/20 22:00	622-96-8	
n-Heptane	<0.61	ug/m3	1.3	0.61	1.61		03/01/20 22:00	142-82-5	
Hexachloro-1,3-butadiene	<3.2	ug/m3	8.7	3.2	1.61		03/01/20 22:00	87-68-3	
n-Hexane	<0.50	ug/m3	1.2	0.50	1.61		03/01/20 22:00	110-54-3	
2-Hexanone	<1.2	ug/m3	6.7	1.2	1.61		03/01/20 22:00	591-78-6	
Methylene Chloride	<1.9	ug/m3	14.2	1.9	1.61		03/01/20 22:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.83	ug/m3	6.7	0.83	1.61		03/01/20 22:00	108-10-1	
Methyl-tert-butyl ether	<1.1	ug/m3	5.9	1.1	1.61		03/01/20 22:00	1634-04-4	
Naphthalene	<2.1	ug/m3	4.3	2.1	1.61		03/01/20 22:00	91-20-3	
2-Propanol	76.9	ug/m3	4.0	1.1	1.61		03/01/20 22:00	67-63-0	
Propylene	<0.23	ug/m3	0.56	0.23	1.61		03/01/20 22:00	115-07-1	
Styrene	<0.55	ug/m3	1.4	0.55	1.61		03/01/20 22:00	100-42-5	
1,1,2,2-Tetrachloroethane	<0.50	ug/m3	1.1	0.50	1.61		03/01/20 22:00	79-34-5	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Sample: IA-3 **Lab ID: 10509607003** Collected: 02/18/20 14:50 Received: 02/24/20 11:15 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		03/01/20 22:00	127-18-4	
Tetrahydrofuran	<0.42	ug/m3	0.97	0.42	1.61		03/01/20 22:00	109-99-9	
Toluene	1.4	ug/m3	1.2	0.57	1.61		03/01/20 22:00	108-88-3	
1,2,4-Trichlorobenzene	<6.0	ug/m3	12.1	6.0	1.61		03/01/20 22:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/m3	1.8	0.50	1.61		03/01/20 22:00	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/m3	0.89	0.39	1.61		03/01/20 22:00	79-00-5	
Trichloroethene	0.68J	ug/m3	0.88	0.41	1.61		03/01/20 22:00	79-01-6	
Trichlorofluoromethane	1.6J	ug/m3	1.8	0.59	1.61		03/01/20 22:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.91	ug/m3	2.5	0.91	1.61		03/01/20 22:00	76-13-1	
1,2,4-Trimethylbenzene	<0.73	ug/m3	1.6	0.73	1.61		03/01/20 22:00	95-63-6	
1,3,5-Trimethylbenzene	<0.64	ug/m3	1.6	0.64	1.61		03/01/20 22:00	108-67-8	
Vinyl acetate	<0.43	ug/m3	1.2	0.43	1.61		03/01/20 22:00	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.42	0.20	1.61		03/01/20 22:00	75-01-4	
m&p-Xylene	<1.1	ug/m3	2.8	1.1	1.61		03/01/20 22:00	179601-23-1	
o-Xylene	<0.55	ug/m3	1.4	0.55	1.61		03/01/20 22:00	95-47-6	

Sample: SS-1 **Lab ID: 10509607004** Collected: 02/18/20 14:50 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	34.9	ug/m3	3.2	1.6	1.34		03/01/20 22:28	67-64-1	
Benzene	0.63	ug/m3	0.44	0.21	1.34		03/01/20 22:28	71-43-2	
Benzyl chloride	<1.6	ug/m3	3.5	1.6	1.34		03/01/20 22:28	100-44-7	
Bromodichloromethane	<0.49	ug/m3	1.8	0.49	1.34		03/01/20 22:28	75-27-4	
Bromoform	<1.9	ug/m3	7.0	1.9	1.34		03/01/20 22:28	75-25-2	
Bromomethane	<0.30	ug/m3	1.1	0.30	1.34		03/01/20 22:28	74-83-9	
1,3-Butadiene	<0.17	ug/m3	0.60	0.17	1.34		03/01/20 22:28	106-99-0	
2-Butanone (MEK)	2.9J	ug/m3	4.0	0.49	1.34		03/01/20 22:28	78-93-3	
Carbon disulfide	<0.29	ug/m3	0.85	0.29	1.34		03/01/20 22:28	75-15-0	
Carbon tetrachloride	<0.57	ug/m3	1.7	0.57	1.34		03/01/20 22:28	56-23-5	
Chlorobenzene	<0.37	ug/m3	1.3	0.37	1.34		03/01/20 22:28	108-90-7	
Chloroethane	<0.35	ug/m3	0.72	0.35	1.34		03/01/20 22:28	75-00-3	
Chloroform	<0.26	ug/m3	0.66	0.26	1.34		03/01/20 22:28	67-66-3	
Chloromethane	<0.21	ug/m3	0.56	0.21	1.34		03/01/20 22:28	74-87-3	
Cyclohexane	<0.47	ug/m3	2.3	0.47	1.34		03/01/20 22:28	110-82-7	
Dibromochloromethane	<0.96	ug/m3	2.3	0.96	1.34		03/01/20 22:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.49	ug/m3	1.0	0.49	1.34		03/01/20 22:28	106-93-4	
1,2-Dichlorobenzene	<0.67	ug/m3	1.6	0.67	1.34		03/01/20 22:28	95-50-1	
1,3-Dichlorobenzene	<0.78	ug/m3	1.6	0.78	1.34		03/01/20 22:28	541-73-1	
1,4-Dichlorobenzene	<1.3	ug/m3	4.1	1.3	1.34		03/01/20 22:28	106-46-7	
Dichlorodifluoromethane	2.6	ug/m3	1.4	0.39	1.34		03/01/20 22:28	75-71-8	
1,1-Dichloroethane	<0.30	ug/m3	1.1	0.30	1.34		03/01/20 22:28	75-34-3	
1,2-Dichloroethane	<0.20	ug/m3	0.55	0.20	1.34		03/01/20 22:28	107-06-2	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Sample: SS-1 **Lab ID: 10509607004** Collected: 02/18/20 14:50 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.37	ug/m3	1.1	0.37	1.34		03/01/20 22:28	75-35-4	
cis-1,2-Dichloroethene	<0.29	ug/m3	1.1	0.29	1.34		03/01/20 22:28	156-59-2	
trans-1,2-Dichloroethene	<0.38	ug/m3	1.1	0.38	1.34		03/01/20 22:28	156-60-5	
1,2-Dichloropropane	<0.31	ug/m3	1.3	0.31	1.34		03/01/20 22:28	78-87-5	
cis-1,3-Dichloropropene	<0.41	ug/m3	1.2	0.41	1.34		03/01/20 22:28	10061-01-5	
trans-1,3-Dichloropropene	<0.59	ug/m3	1.2	0.59	1.34		03/01/20 22:28	10061-02-6	
Dichlorotetrafluoroethane	<0.59	ug/m3	1.9	0.59	1.34		03/01/20 22:28	76-14-2	
Ethanol	527	ug/m3	25.7	10.9	13.4		03/01/20 22:55	64-17-5	
Ethyl acetate	3.4	ug/m3	0.98	0.25	1.34		03/01/20 22:28	141-78-6	
Ethylbenzene	<0.41	ug/m3	1.2	0.41	1.34		03/01/20 22:28	100-41-4	
4-Ethyltoluene	<0.76	ug/m3	3.4	0.76	1.34		03/01/20 22:28	622-96-8	
n-Heptane	<0.51	ug/m3	1.1	0.51	1.34		03/01/20 22:28	142-82-5	
Hexachloro-1,3-butadiene	<2.6	ug/m3	7.3	2.6	1.34		03/01/20 22:28	87-68-3	
n-Hexane	0.65J	ug/m3	0.96	0.42	1.34		03/01/20 22:28	110-54-3	
2-Hexanone	<1.0	ug/m3	5.6	1.0	1.34		03/01/20 22:28	591-78-6	
Methylene Chloride	<1.6	ug/m3	11.8	1.6	1.34		03/01/20 22:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.69	ug/m3	5.6	0.69	1.34		03/01/20 22:28	108-10-1	
Methyl-tert-butyl ether	<0.89	ug/m3	4.9	0.89	1.34		03/01/20 22:28	1634-04-4	
Naphthalene	1.8J	ug/m3	3.6	1.8	1.34		03/01/20 22:28	91-20-3	
2-Propanol	195	ug/m3	3.4	0.93	1.34		03/01/20 22:28	67-63-0	
Propylene	<0.19	ug/m3	0.47	0.19	1.34		03/01/20 22:28	115-07-1	
Styrene	<0.46	ug/m3	1.2	0.46	1.34		03/01/20 22:28	100-42-5	
1,1,2,2-Tetrachloroethane	<0.41	ug/m3	0.94	0.41	1.34		03/01/20 22:28	79-34-5	
Tetrachloroethene	<0.42	ug/m3	0.92	0.42	1.34		03/01/20 22:28	127-18-4	
Tetrahydrofuran	<0.35	ug/m3	0.80	0.35	1.34		03/01/20 22:28	109-99-9	
Toluene	1.8	ug/m3	1.0	0.47	1.34		03/01/20 22:28	108-88-3	
1,2,4-Trichlorobenzene	<5.0	ug/m3	10.1	5.0	1.34		03/01/20 22:28	120-82-1	
1,1,1-Trichloroethane	<0.41	ug/m3	1.5	0.41	1.34		03/01/20 22:28	71-55-6	
1,1,2-Trichloroethane	<0.32	ug/m3	0.74	0.32	1.34		03/01/20 22:28	79-00-5	
Trichloroethene	0.97	ug/m3	0.73	0.34	1.34		03/01/20 22:28	79-01-6	
Trichlorofluoromethane	1.4J	ug/m3	1.5	0.49	1.34		03/01/20 22:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.76	ug/m3	2.1	0.76	1.34		03/01/20 22:28	76-13-1	
1,2,4-Trimethylbenzene	0.64J	ug/m3	1.3	0.61	1.34		03/01/20 22:28	95-63-6	
1,3,5-Trimethylbenzene	<0.53	ug/m3	1.3	0.53	1.34		03/01/20 22:28	108-67-8	
Vinyl acetate	<0.36	ug/m3	0.96	0.36	1.34		03/01/20 22:28	108-05-4	
Vinyl chloride	<0.17	ug/m3	0.35	0.17	1.34		03/01/20 22:28	75-01-4	
m&p-Xylene	<0.94	ug/m3	2.4	0.94	1.34		03/01/20 22:28	179601-23-1	
o-Xylene	<0.46	ug/m3	1.2	0.46	1.34		03/01/20 22:28	95-47-6	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Sample: **SS-2** Lab ID: **10509607005** Collected: 02/18/20 14:55 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	34.5	ug/m3	3.7	1.9	1.55		03/01/20 23:23	67-64-1	
Benzene	0.75	ug/m3	0.50	0.24	1.55		03/01/20 23:23	71-43-2	
Benzyl chloride	<1.9	ug/m3	4.1	1.9	1.55		03/01/20 23:23	100-44-7	
Bromodichloromethane	<0.57	ug/m3	2.1	0.57	1.55		03/01/20 23:23	75-27-4	
Bromoform	<2.2	ug/m3	8.1	2.2	1.55		03/01/20 23:23	75-25-2	
Bromomethane	<0.35	ug/m3	1.2	0.35	1.55		03/01/20 23:23	74-83-9	
1,3-Butadiene	<0.20	ug/m3	0.70	0.20	1.55		03/01/20 23:23	106-99-0	
2-Butanone (MEK)	0.67J	ug/m3	4.6	0.57	1.55		03/01/20 23:23	78-93-3	
Carbon disulfide	<0.34	ug/m3	0.98	0.34	1.55		03/01/20 23:23	75-15-0	
Carbon tetrachloride	<0.66	ug/m3	2.0	0.66	1.55		03/01/20 23:23	56-23-5	
Chlorobenzene	<0.43	ug/m3	1.5	0.43	1.55		03/01/20 23:23	108-90-7	
Chloroethane	<0.40	ug/m3	0.83	0.40	1.55		03/01/20 23:23	75-00-3	
Chloroform	<0.30	ug/m3	0.77	0.30	1.55		03/01/20 23:23	67-66-3	
Chloromethane	<0.24	ug/m3	0.65	0.24	1.55		03/01/20 23:23	74-87-3	
Cyclohexane	<0.55	ug/m3	2.7	0.55	1.55		03/01/20 23:23	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.7	1.1	1.55		03/01/20 23:23	124-48-1	
1,2-Dibromoethane (EDB)	<0.57	ug/m3	1.2	0.57	1.55		03/01/20 23:23	106-93-4	
1,2-Dichlorobenzene	<0.77	ug/m3	1.9	0.77	1.55		03/01/20 23:23	95-50-1	
1,3-Dichlorobenzene	<0.90	ug/m3	1.9	0.90	1.55		03/01/20 23:23	541-73-1	
1,4-Dichlorobenzene	<1.6	ug/m3	4.7	1.6	1.55		03/01/20 23:23	106-46-7	
Dichlorodifluoromethane	1.9	ug/m3	1.6	0.45	1.55		03/01/20 23:23	75-71-8	
1,1-Dichloroethane	<0.35	ug/m3	1.3	0.35	1.55		03/01/20 23:23	75-34-3	
1,2-Dichloroethane	<0.23	ug/m3	0.64	0.23	1.55		03/01/20 23:23	107-06-2	
1,1-Dichloroethene	<0.42	ug/m3	1.2	0.42	1.55		03/01/20 23:23	75-35-4	
cis-1,2-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.55		03/01/20 23:23	156-59-2	
trans-1,2-Dichloroethene	2.0	ug/m3	1.2	0.44	1.55		03/01/20 23:23	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.5	0.36	1.55		03/01/20 23:23	78-87-5	
cis-1,3-Dichloropropene	<0.47	ug/m3	1.4	0.47	1.55		03/01/20 23:23	10061-01-5	
trans-1,3-Dichloropropene	<0.68	ug/m3	1.4	0.68	1.55		03/01/20 23:23	10061-02-6	
Dichlorotetrafluoroethane	<0.68	ug/m3	2.2	0.68	1.55		03/01/20 23:23	76-14-2	
Ethanol	<1.3	ug/m3	3.0	1.3	1.55		03/01/20 23:23	64-17-5	
Ethyl acetate	0.60J	ug/m3	1.1	0.29	1.55		03/01/20 23:23	141-78-6	
Ethylbenzene	1.1J	ug/m3	1.4	0.47	1.55		03/01/20 23:23	100-41-4	
4-Ethyltoluene	<0.88	ug/m3	3.9	0.88	1.55		03/01/20 23:23	622-96-8	
n-Heptane	1.0J	ug/m3	1.3	0.59	1.55		03/01/20 23:23	142-82-5	
Hexachloro-1,3-butadiene	<3.1	ug/m3	8.4	3.1	1.55		03/01/20 23:23	87-68-3	
n-Hexane	1.8	ug/m3	1.1	0.48	1.55		03/01/20 23:23	110-54-3	
2-Hexanone	<1.2	ug/m3	6.4	1.2	1.55		03/01/20 23:23	591-78-6	
Methylene Chloride	<1.9	ug/m3	13.7	1.9	1.55		03/01/20 23:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.80	ug/m3	6.4	0.80	1.55		03/01/20 23:23	108-10-1	
Methyl-tert-butyl ether	<1.0	ug/m3	5.7	1.0	1.55		03/01/20 23:23	1634-04-4	
Naphthalene	<2.0	ug/m3	4.1	2.0	1.55		03/01/20 23:23	91-20-3	
2-Propanol	<1.1	ug/m3	3.9	1.1	1.55		03/01/20 23:23	67-63-0	
Propylene	<0.22	ug/m3	0.54	0.22	1.55		03/01/20 23:23	115-07-1	
Styrene	<0.53	ug/m3	1.3	0.53	1.55		03/01/20 23:23	100-42-5	
1,1,2,2-Tetrachloroethane	<0.48	ug/m3	1.1	0.48	1.55		03/01/20 23:23	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Sample: **SS-2** Lab ID: **10509607005** Collected: 02/18/20 14:55 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	1.5	ug/m3	1.1	0.49	1.55		03/01/20 23:23	127-18-4	
Tetrahydrofuran	<0.40	ug/m3	0.93	0.40	1.55		03/01/20 23:23	109-99-9	
Toluene	4.7	ug/m3	1.2	0.54	1.55		03/01/20 23:23	108-88-3	
1,2,4-Trichlorobenzene	<5.8	ug/m3	11.7	5.8	1.55		03/01/20 23:23	120-82-1	
1,1,1-Trichloroethane	<0.48	ug/m3	1.7	0.48	1.55		03/01/20 23:23	71-55-6	
1,1,2-Trichloroethane	<0.38	ug/m3	0.86	0.38	1.55		03/01/20 23:23	79-00-5	
Trichloroethene	44.0	ug/m3	0.85	0.39	1.55		03/01/20 23:23	79-01-6	
Trichlorofluoromethane	1.0J	ug/m3	1.8	0.57	1.55		03/01/20 23:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.87	ug/m3	2.4	0.87	1.55		03/01/20 23:23	76-13-1	
1,2,4-Trimethylbenzene	1.7	ug/m3	1.5	0.70	1.55		03/01/20 23:23	95-63-6	
1,3,5-Trimethylbenzene	<0.62	ug/m3	1.5	0.62	1.55		03/01/20 23:23	108-67-8	
Vinyl acetate	<0.42	ug/m3	1.1	0.42	1.55		03/01/20 23:23	108-05-4	
Vinyl chloride	<0.20	ug/m3	0.40	0.20	1.55		03/01/20 23:23	75-01-4	
m&p-Xylene	4.3	ug/m3	2.7	1.1	1.55		03/01/20 23:23	179601-23-1	
o-Xylene	1.8	ug/m3	1.4	0.53	1.55		03/01/20 23:23	95-47-6	

Sample: **DUP** Lab ID: **10509607006** Collected: 02/18/20 00:00 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	36.8	ug/m3	3.2	1.6	1.34		03/02/20 00:18	67-64-1	
Benzene	0.66	ug/m3	0.44	0.21	1.34		03/02/20 00:18	71-43-2	
Benzyl chloride	<1.6	ug/m3	3.5	1.6	1.34		03/02/20 00:18	100-44-7	
Bromodichloromethane	<0.49	ug/m3	1.8	0.49	1.34		03/02/20 00:18	75-27-4	
Bromoform	<1.9	ug/m3	7.0	1.9	1.34		03/02/20 00:18	75-25-2	
Bromomethane	<0.30	ug/m3	1.1	0.30	1.34		03/02/20 00:18	74-83-9	
1,3-Butadiene	<0.17	ug/m3	0.60	0.17	1.34		03/02/20 00:18	106-99-0	
2-Butanone (MEK)	2.4J	ug/m3	4.0	0.49	1.34		03/02/20 00:18	78-93-3	
Carbon disulfide	<0.29	ug/m3	0.85	0.29	1.34		03/02/20 00:18	75-15-0	
Carbon tetrachloride	<0.57	ug/m3	1.7	0.57	1.34		03/02/20 00:18	56-23-5	
Chlorobenzene	<0.37	ug/m3	1.3	0.37	1.34		03/02/20 00:18	108-90-7	
Chloroethane	<0.35	ug/m3	0.72	0.35	1.34		03/02/20 00:18	75-00-3	
Chloroform	<0.26	ug/m3	0.66	0.26	1.34		03/02/20 00:18	67-66-3	
Chloromethane	1.3	ug/m3	0.56	0.21	1.34		03/02/20 00:18	74-87-3	
Cyclohexane	<0.47	ug/m3	2.3	0.47	1.34		03/02/20 00:18	110-82-7	
Dibromochloromethane	<0.96	ug/m3	2.3	0.96	1.34		03/02/20 00:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.49	ug/m3	1.0	0.49	1.34		03/02/20 00:18	106-93-4	
1,2-Dichlorobenzene	<0.67	ug/m3	1.6	0.67	1.34		03/02/20 00:18	95-50-1	
1,3-Dichlorobenzene	<0.78	ug/m3	1.6	0.78	1.34		03/02/20 00:18	541-73-1	
1,4-Dichlorobenzene	<1.3	ug/m3	4.1	1.3	1.34		03/02/20 00:18	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.4	0.39	1.34		03/02/20 00:18	75-71-8	
1,1-Dichloroethane	<0.30	ug/m3	1.1	0.30	1.34		03/02/20 00:18	75-34-3	
1,2-Dichloroethane	<0.20	ug/m3	0.55	0.20	1.34		03/02/20 00:18	107-06-2	

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ANALYTICAL RESULTS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

Sample: DUP **Lab ID:** 10509607006 Collected: 02/18/20 00:00 Received: 02/24/20 11:15 Matrix: Air

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
1,1-Dichloroethene	<0.37	ug/m3	1.1	0.37	1.34		03/02/20 00:18	75-35-4	
cis-1,2-Dichloroethene	<0.29	ug/m3	1.1	0.29	1.34		03/02/20 00:18	156-59-2	
trans-1,2-Dichloroethene	<0.38	ug/m3	1.1	0.38	1.34		03/02/20 00:18	156-60-5	
1,2-Dichloropropane	<0.31	ug/m3	1.3	0.31	1.34		03/02/20 00:18	78-87-5	
cis-1,3-Dichloropropene	<0.41	ug/m3	1.2	0.41	1.34		03/02/20 00:18	10061-01-5	
trans-1,3-Dichloropropene	<0.59	ug/m3	1.2	0.59	1.34		03/02/20 00:18	10061-02-6	
Dichlorotetrafluoroethane	<0.59	ug/m3	1.9	0.59	1.34		03/02/20 00:18	76-14-2	
Ethanol	523	ug/m3	25.7	10.9	13.4		03/02/20 00:45	64-17-5	
Ethyl acetate	<0.25	ug/m3	0.98	0.25	1.34		03/02/20 00:18	141-78-6	
Ethylbenzene	<0.41	ug/m3	1.2	0.41	1.34		03/02/20 00:18	100-41-4	
4-Ethyltoluene	<0.76	ug/m3	3.4	0.76	1.34		03/02/20 00:18	622-96-8	
n-Heptane	<0.51	ug/m3	1.1	0.51	1.34		03/02/20 00:18	142-82-5	
Hexachloro-1,3-butadiene	<2.6	ug/m3	7.3	2.6	1.34		03/02/20 00:18	87-68-3	
n-Hexane	<0.42	ug/m3	0.96	0.42	1.34		03/02/20 00:18	110-54-3	
2-Hexanone	<1.0	ug/m3	5.6	1.0	1.34		03/02/20 00:18	591-78-6	
Methylene Chloride	<1.6	ug/m3	11.8	1.6	1.34		03/02/20 00:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.69	ug/m3	5.6	0.69	1.34		03/02/20 00:18	108-10-1	
Methyl-tert-butyl ether	<0.89	ug/m3	4.9	0.89	1.34		03/02/20 00:18	1634-04-4	
Naphthalene	1.8J	ug/m3	3.6	1.8	1.34		03/02/20 00:18	91-20-3	
2-Propanol	168	ug/m3	3.4	0.93	1.34		03/02/20 00:18	67-63-0	
Propylene	<0.19	ug/m3	0.47	0.19	1.34		03/02/20 00:18	115-07-1	
Styrene	<0.46	ug/m3	1.2	0.46	1.34		03/02/20 00:18	100-42-5	
1,1,2,2-Tetrachloroethane	<0.41	ug/m3	0.94	0.41	1.34		03/02/20 00:18	79-34-5	
Tetrachloroethene	<0.42	ug/m3	0.92	0.42	1.34		03/02/20 00:18	127-18-4	
Tetrahydrofuran	<0.35	ug/m3	0.80	0.35	1.34		03/02/20 00:18	109-99-9	
Toluene	1.5	ug/m3	1.0	0.47	1.34		03/02/20 00:18	108-88-3	
1,2,4-Trichlorobenzene	<5.0	ug/m3	10.1	5.0	1.34		03/02/20 00:18	120-82-1	
1,1,1-Trichloroethane	<0.41	ug/m3	1.5	0.41	1.34		03/02/20 00:18	71-55-6	
1,1,2-Trichloroethane	<0.32	ug/m3	0.74	0.32	1.34		03/02/20 00:18	79-00-5	
Trichloroethene	0.92	ug/m3	0.73	0.34	1.34		03/02/20 00:18	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	1.5	0.49	1.34		03/02/20 00:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.76	ug/m3	2.1	0.76	1.34		03/02/20 00:18	76-13-1	
1,2,4-Trimethylbenzene	<0.61	ug/m3	1.3	0.61	1.34		03/02/20 00:18	95-63-6	
1,3,5-Trimethylbenzene	<0.53	ug/m3	1.3	0.53	1.34		03/02/20 00:18	108-67-8	
Vinyl acetate	<0.36	ug/m3	0.96	0.36	1.34		03/02/20 00:18	108-05-4	
Vinyl chloride	<0.17	ug/m3	0.35	0.17	1.34		03/02/20 00:18	75-01-4	
m&p-Xylene	<0.94	ug/m3	2.4	0.94	1.34		03/02/20 00:18	179601-23-1	
o-Xylene	<0.46	ug/m3	1.2	0.46	1.34		03/02/20 00:18	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

QC Batch: 662634 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10509607001, 10509607002, 10509607003, 10509607004, 10509607005, 10509607006

METHOD BLANK: 3555656 Matrix: Air
 Associated Lab Samples: 10509607001, 10509607002, 10509607003, 10509607004, 10509607005, 10509607006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.31	1.1	0.31	03/01/20 12:45	
1,1,2,2-Tetrachloroethane	ug/m3	<0.31	0.70	0.31	03/01/20 12:45	
1,1,2-Trichloroethane	ug/m3	<0.24	0.56	0.24	03/01/20 12:45	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.56	1.6	0.56	03/01/20 12:45	
1,1-Dichloroethane	ug/m3	<0.22	0.82	0.22	03/01/20 12:45	
1,1-Dichloroethene	ug/m3	<0.27	0.81	0.27	03/01/20 12:45	
1,2,4-Trichlorobenzene	ug/m3	<3.7	7.5	3.7	03/01/20 12:45	
1,2,4-Trimethylbenzene	ug/m3	<0.45	1.0	0.45	03/01/20 12:45	
1,2-Dibromoethane (EDB)	ug/m3	<0.37	0.78	0.37	03/01/20 12:45	
1,2-Dichlorobenzene	ug/m3	<0.50	1.2	0.50	03/01/20 12:45	
1,2-Dichloroethane	ug/m3	<0.15	0.41	0.15	03/01/20 12:45	
1,2-Dichloropropane	ug/m3	<0.23	0.94	0.23	03/01/20 12:45	
1,3,5-Trimethylbenzene	ug/m3	<0.40	1.0	0.40	03/01/20 12:45	
1,3-Butadiene	ug/m3	<0.13	0.45	0.13	03/01/20 12:45	
1,3-Dichlorobenzene	ug/m3	<0.58	1.2	0.58	03/01/20 12:45	
1,4-Dichlorobenzene	ug/m3	<1.0	3.1	1.0	03/01/20 12:45	
2-Butanone (MEK)	ug/m3	<0.37	3.0	0.37	03/01/20 12:45	
2-Hexanone	ug/m3	<0.74	4.2	0.74	03/01/20 12:45	
2-Propanol	ug/m3	<0.70	2.5	0.70	03/01/20 12:45	
4-Ethyltoluene	ug/m3	<0.57	2.5	0.57	03/01/20 12:45	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.52	4.2	0.52	03/01/20 12:45	
Acetone	ug/m3	<1.2	2.4	1.2	03/01/20 12:45	
Benzene	ug/m3	<0.15	0.32	0.15	03/01/20 12:45	
Benzyl chloride	ug/m3	<1.2	2.6	1.2	03/01/20 12:45	
Bromodichloromethane	ug/m3	<0.37	1.4	0.37	03/01/20 12:45	
Bromoform	ug/m3	<1.4	5.2	1.4	03/01/20 12:45	
Bromomethane	ug/m3	<0.23	0.79	0.23	03/01/20 12:45	
Carbon disulfide	ug/m3	<0.22	0.63	0.22	03/01/20 12:45	
Carbon tetrachloride	ug/m3	<0.43	1.3	0.43	03/01/20 12:45	
Chlorobenzene	ug/m3	<0.28	0.94	0.28	03/01/20 12:45	
Chloroethane	ug/m3	<0.26	0.54	0.26	03/01/20 12:45	
Chloroform	ug/m3	<0.20	0.50	0.20	03/01/20 12:45	
Chloromethane	ug/m3	<0.16	0.42	0.16	03/01/20 12:45	
cis-1,2-Dichloroethene	ug/m3	<0.22	0.81	0.22	03/01/20 12:45	
cis-1,3-Dichloropropene	ug/m3	<0.30	0.92	0.30	03/01/20 12:45	
Cyclohexane	ug/m3	<0.35	1.8	0.35	03/01/20 12:45	
Dibromochloromethane	ug/m3	<0.72	1.7	0.72	03/01/20 12:45	
Dichlorodifluoromethane	ug/m3	<0.29	1.0	0.29	03/01/20 12:45	
Dichlorotetrafluoroethane	ug/m3	<0.44	1.4	0.44	03/01/20 12:45	
Ethanol	ug/m3	<0.81	1.9	0.81	03/01/20 12:45	
Ethyl acetate	ug/m3	<0.19	0.73	0.19	03/01/20 12:45	

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.

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

METHOD BLANK: 3555656

Matrix: Air

Associated Lab Samples: 10509607001, 10509607002, 10509607003, 10509607004, 10509607005, 10509607006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.30	0.88	0.30	03/01/20 12:45	
Hexachloro-1,3-butadiene	ug/m3	<2.0	5.4	2.0	03/01/20 12:45	
m&p-Xylene	ug/m3	<0.70	1.8	0.70	03/01/20 12:45	
Methyl-tert-butyl ether	ug/m3	<0.66	3.7	0.66	03/01/20 12:45	
Methylene Chloride	ug/m3	<1.2	8.8	1.2	03/01/20 12:45	MN
n-Heptane	ug/m3	<0.38	0.83	0.38	03/01/20 12:45	
n-Hexane	ug/m3	<0.31	0.72	0.31	03/01/20 12:45	
Naphthalene	ug/m3	<1.3	2.7	1.3	03/01/20 12:45	
o-Xylene	ug/m3	<0.34	0.88	0.34	03/01/20 12:45	
Propylene	ug/m3	<0.14	0.35	0.14	03/01/20 12:45	
Styrene	ug/m3	<0.34	0.87	0.34	03/01/20 12:45	
Tetrachloroethene	ug/m3	<0.31	0.69	0.31	03/01/20 12:45	
Tetrahydrofuran	ug/m3	<0.26	0.60	0.26	03/01/20 12:45	
Toluene	ug/m3	<0.35	0.77	0.35	03/01/20 12:45	
trans-1,2-Dichloroethene	ug/m3	<0.28	0.81	0.28	03/01/20 12:45	
trans-1,3-Dichloropropene	ug/m3	<0.44	0.92	0.44	03/01/20 12:45	
Trichloroethene	ug/m3	<0.25	0.55	0.25	03/01/20 12:45	
Trichlorofluoromethane	ug/m3	<0.37	1.1	0.37	03/01/20 12:45	
Vinyl acetate	ug/m3	<0.27	0.72	0.27	03/01/20 12:45	
Vinyl chloride	ug/m3	<0.13	0.26	0.13	03/01/20 12:45	

LABORATORY CONTROL SAMPLE: 3555657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57	55.6	97	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	71.9	75.0	104	70-132	
1,1,2-Trichloroethane	ug/m3	57.3	56.7	99	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	80.3	74.2	92	70-130	
1,1-Dichloroethane	ug/m3	42.7	40.5	95	70-130	
1,1-Dichloroethene	ug/m3	41.4	37.9	91	69-137	
1,2,4-Trichlorobenzene	ug/m3	156	159	102	70-130	SS
1,2,4-Trimethylbenzene	ug/m3	51.5	60.4	117	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.3	83.6	104	70-138	
1,2-Dichlorobenzene	ug/m3	63.1	72.3	115	70-136	
1,2-Dichloroethane	ug/m3	42.4	40.2	95	70-130	
1,2-Dichloropropane	ug/m3	48.6	46.0	95	70-132	
1,3,5-Trimethylbenzene	ug/m3	51.6	61.0	118	70-136	
1,3-Butadiene	ug/m3	23.3	22.8	98	67-139	
1,3-Dichlorobenzene	ug/m3	63.4	69.0	109	70-138	
1,4-Dichlorobenzene	ug/m3	63.4	70.0	110	70-145	
2-Butanone (MEK)	ug/m3	31.4	32.0	102	61-130	
2-Hexanone	ug/m3	42.8	44.7	105	70-138	
2-Propanol	ug/m3	119	117	98	70-136	
4-Ethyltoluene	ug/m3	52.4	63.5	121	70-142	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

LABORATORY CONTROL SAMPLE: 3555657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	50.0	115	70-134	
Acetone	ug/m3	126	111	88	59-137	
Benzene	ug/m3	33.5	32.3	96	70-133	
Benzyl chloride	ug/m3	55.1	53.2	97	70-139	
Bromodichloromethane	ug/m3	71.5	75.1	105	70-130	
Bromoform	ug/m3	110	138	126	60-140	
Bromomethane	ug/m3	41.3	35.7	87	70-131	
Carbon disulfide	ug/m3	33.3	33.5	101	70-130	
Carbon tetrachloride	ug/m3	66.2	67.2	101	70-133	
Chlorobenzene	ug/m3	48.3	44.8	93	70-131	
Chloroethane	ug/m3	28.1	27.9	99	70-141	
Chloroform	ug/m3	51.1	49.0	96	70-130	
Chloromethane	ug/m3	21.9	19.7	90	64-137	
cis-1,2-Dichloroethene	ug/m3	41.6	38.5	93	70-132	
cis-1,3-Dichloropropene	ug/m3	47.7	52.9	111	70-138	
Cyclohexane	ug/m3	36.7	36.7	100	70-133	
Dibromochloromethane	ug/m3	90.7	102	112	70-139	
Dichlorodifluoromethane	ug/m3	51.6	47.5	92	70-130	
Dichlorotetrafluoroethane	ug/m3	72.7	70.4	97	65-133	
Ethanol	ug/m3	103	108	105	65-135	
Ethyl acetate	ug/m3	38.6	38.3	99	70-135	
Ethylbenzene	ug/m3	45.6	50.0	110	70-142	
Hexachloro-1,3-butadiene	ug/m3	112	138	124	70-134	
m&p-Xylene	ug/m3	91.2	99.9	109	70-141	
Methyl-tert-butyl ether	ug/m3	38.4	37.3	97	70-131	
Methylene Chloride	ug/m3	182	192	105	69-130	
n-Heptane	ug/m3	43.6	42.3	97	70-130	
n-Hexane	ug/m3	37.6	33.5	89	70-131	
Naphthalene	ug/m3	57.7	57.5	100	63-130	
o-Xylene	ug/m3	45.5	49.7	109	70-135	
Propylene	ug/m3	18.2	16.8	93	63-139	
Styrene	ug/m3	44.9	55.0	122	70-143	
Tetrachloroethene	ug/m3	71	66.1	93	70-136	
Tetrahydrofuran	ug/m3	31.5	30.7	98	70-137	
Toluene	ug/m3	39.5	41.3	105	70-136	
trans-1,2-Dichloroethene	ug/m3	42.2	38.8	92	70-132	
trans-1,3-Dichloropropene	ug/m3	47.7	56.8	119	70-139	
Trichloroethene	ug/m3	56.3	53.6	95	70-132	
Trichlorofluoromethane	ug/m3	59.7	53.8	90	65-136	
Vinyl acetate	ug/m3	34.5	36.0	104	66-140	
Vinyl chloride	ug/m3	26.7	24.5	92	68-141	

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

SAMPLE DUPLICATE: 3555950

Parameter	Units	10509608002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.49		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.49		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.38		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<0.89		25	
1,1-Dichloroethane	ug/m3	ND	<0.36		25	
1,1-Dichloroethene	ug/m3	ND	<0.43		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<5.9		25	
1,2,4-Trimethylbenzene	ug/m3	ND	1.1J		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.58		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.79		25	
1,2-Dichloroethane	ug/m3	ND	<0.24		25	
1,2-Dichloropropane	ug/m3	ND	<0.36		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.63		25	
1,3-Butadiene	ug/m3	ND	<0.20		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.92		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.6		25	
2-Butanone (MEK)	ug/m3	ND	<0.58		25	
2-Hexanone	ug/m3	ND	<1.2		25	
2-Propanol	ug/m3	ND	1.6J		25	
4-Ethyltoluene	ug/m3	ND	<0.90		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.82		25	
Acetone	ug/m3	11.4	12.5	9	25	
Benzene	ug/m3	ND	<0.24		25	
Benzyl chloride	ug/m3	ND	<1.9		25	
Bromodichloromethane	ug/m3	ND	<0.58		25	
Bromoform	ug/m3	ND	<2.2		25	
Bromomethane	ug/m3	ND	<0.36		25	
Carbon disulfide	ug/m3	ND	<0.35		25	
Carbon tetrachloride	ug/m3	ND	<0.68		25	
Chlorobenzene	ug/m3	ND	<0.43		25	
Chloroethane	ug/m3	ND	<0.41		25	
Chloroform	ug/m3	ND	<0.31		25	
Chloromethane	ug/m3	ND	<0.25		25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.35		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.48		25	
Cyclohexane	ug/m3	ND	<0.56		25	
Dibromochloromethane	ug/m3	ND	<1.1		25	
Dichlorodifluoromethane	ug/m3	2.5	2.5	2	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.69		25	
Ethanol	ug/m3	65.3	62.5	4	25	
Ethyl acetate	ug/m3	ND	<0.30		25	
Ethylbenzene	ug/m3	ND	<0.48		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<3.1		25	
m&p-Xylene	ug/m3	ND	1.9J		25	
Methyl-tert-butyl ether	ug/m3	ND	<1.0		25	
Methylene Chloride	ug/m3	ND	<1.9		25	
n-Heptane	ug/m3	ND	<0.60		25	

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

SAMPLE DUPLICATE: 3555950

Parameter	Units	10509608002 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	<0.49		25	
Naphthalene	ug/m3	ND	2.8J		25	
o-Xylene	ug/m3	ND	0.91J		25	
Propylene	ug/m3	ND	0.44J		25	
Styrene	ug/m3	ND	<0.54		25	
Tetrachloroethene	ug/m3	3830	3920	2	25	
Tetrahydrofuran	ug/m3	ND	<0.41		25	
Toluene	ug/m3	ND	1.3		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.45		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.70		25	
Trichloroethene	ug/m3	1.3	1.2	7	25	
Trichlorofluoromethane	ug/m3	ND	1.2J		25	
Vinyl acetate	ug/m3	ND	<0.43		25	
Vinyl chloride	ug/m3	ND	<0.20		25	

SAMPLE DUPLICATE: 3555951

Parameter	Units	10509608003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.45		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.45		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.35		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	<0.82		25	
1,1-Dichloroethane	ug/m3	ND	<0.33		25	
1,1-Dichloroethene	ug/m3	ND	<0.40		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<5.4		25	
1,2,4-Trimethylbenzene	ug/m3	ND	<0.66		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<0.53		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.73		25	
1,2-Dichloroethane	ug/m3	ND	<0.22		25	
1,2-Dichloropropane	ug/m3	ND	<0.34		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.58		25	
1,3-Butadiene	ug/m3	ND	<0.19		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.85		25	
1,4-Dichlorobenzene	ug/m3	ND	<1.5		25	
2-Butanone (MEK)	ug/m3	ND	1.1J		25	
2-Hexanone	ug/m3	ND	<1.1		25	
2-Propanol	ug/m3	ND	3.0J		25	
4-Ethyltoluene	ug/m3	ND	<0.83		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.76		25	
Acetone	ug/m3	11.1	11.7	6	25	
Benzene	ug/m3	0.68	0.68	0	25	
Benzyl chloride	ug/m3	ND	<1.8		25	
Bromodichloromethane	ug/m3	ND	<0.53		25	
Bromoform	ug/m3	ND	<2.1		25	
Bromomethane	ug/m3	ND	<0.33		25	

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QUALITY CONTROL DATA

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

SAMPLE DUPLICATE: 3555951

Parameter	Units	10509608003 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	<0.32		25	
Carbon tetrachloride	ug/m3	ND	<0.63		25	
Chlorobenzene	ug/m3	ND	<0.40		25	
Chloroethane	ug/m3	ND	<0.38		25	
Chloroform	ug/m3	ND	<0.29		25	
Chloromethane	ug/m3	1.1	1.2	13	25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.32		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.44		25	
Cyclohexane	ug/m3	ND	<0.52		25	
Dibromochloromethane	ug/m3	ND	<1.0		25	
Dichlorodifluoromethane	ug/m3	2.6	2.7	3	25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.64		25	
Ethanol	ug/m3	12.1	13.7	12	25	
Ethyl acetate	ug/m3	ND	<0.28		25	
Ethylbenzene	ug/m3	ND	<0.45		25	
Hexachloro-1,3-butadiene	ug/m3	ND	<2.9		25	
m&p-Xylene	ug/m3	ND	<1.0		25	
Methyl-tert-butyl ether	ug/m3	ND	<0.97		25	
Methylene Chloride	ug/m3	ND	<1.8		25	
n-Heptane	ug/m3	ND	<0.55		25	
n-Hexane	ug/m3	ND	<0.45		25	
Naphthalene	ug/m3	ND	<1.9		25	
o-Xylene	ug/m3	ND	<0.50		25	
Propylene	ug/m3	ND	<0.20		25	
Styrene	ug/m3	ND	<0.50		25	
Tetrachloroethene	ug/m3	2.7	2.9	7	25	
Tetrahydrofuran	ug/m3	ND	<0.38		25	
Toluene	ug/m3	ND	1.1		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.42		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.64		25	
Trichloroethene	ug/m3	0.81	0.72J		25	
Trichlorofluoromethane	ug/m3	ND	1.4J		25	
Vinyl acetate	ug/m3	ND	<0.39		25	
Vinyl chloride	ug/m3	ND	<0.18		25	

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QUALIFIERS

Project: GYMNASTICS CENTER-Revised Report

Pace Project No.: 10509607

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.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

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.: 10509607

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10509607001	IA-1	TO-15	662634		
10509607002	IA-2	TO-15	662634		
10509607003	IA-3	TO-15	662634		
10509607004	SS-1	TO-15	662634		
10509607005	SS-2	TO-15	662634		
10509607006	DUP	TO-15	662634		

REPORT OF LABORATORY ANALYSIS

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WO#: 10509607



Pace Analytical
www.pacelabs.com

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: **PAROX ENVIRONMENTAL** Address: **6150 EAST 52** Email To: **IMDIAMAROUS** Phone: **5080000000** Fax: **5080000000** Requested Due Date/TAT: **5/10/07**

Section B Required Project Information: Report To: **JAMES COOY** Copy To: **MIKE CASPER** Project Name: **STAMPING CENTER** Project Number: **35198**

Section C Invoice Information: Invoice Number: **39855** Page: **1** of **1**

Program: UST Superfund Emissions Clean Air Act Voluntary Clean Up Dry Clean RCRA Other

Location of Sampling by State: **IN** Reporting Units: ug/m³ ng/m³ PPMV Other

Report Level: **II** III IV Other

Method: PM10 3C - Fixed Gas (%) TO-3 BTEX TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List (other)

ITEM #	Valid Media Codes	MEDIA CODE	COMPOSITE START		COMPOSITE - END/GRAB		Canister Pressure (Initial Field - In Hg)	Canister Pressure (Final Field - In Hg)	Summa Can Number	Flow Control Number	Pace Lab ID	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
			DATE	TIME	DATE	TIME												Temp In °C	Received on Ice	Custody Sealed Cooler	Samples Intact
1	IA-1	6LC	16:10	16:10	14:51	14:51	-30	-6	2657	2134	X	JAMES COOY / PAROX	5/10/07	10:00	CON - PAC	5/10/07	11:15	Y/N	Y	Y	Y/N
2	IA-2		16:09	16:10	14:53	14:53	-30	-13	1039	2174								Y/N	Y	Y	Y/N
3	IA-3		16:10	16:10	14:56	14:56	-29	-8	1498	1855								Y/N	Y	Y	Y/N
4	SS-1		16:11	16:10	14:50	14:50	-25	0	0393	2066								Y/N	Y	Y	Y/N
5	SS-2		16:10	16:10	14:55	14:55	-30	-13	2766	1041								Y/N	Y	Y	Y/N
6	DUP						-25	0	0410	2066								Y/N	Y	Y	Y/N

Section D Required Client Information: AIR SAMPLE ID: **IA-1, IA-2, IA-3, SS-1, SS-2, DUP** Sample IDs MUST BE UNIQUE

Valid Media Codes: TB, 1L, 6LC, LVP, HVP, PM10, Other

Media Codes: **6LC**

COMPOSITE START: DATE, TIME

COMPOSITE - END/GRAB: DATE, TIME

Canister Pressure (Initial/Final Field - In Hg)

Summa Can Number

Flow Control Number

Pace Lab ID

RELINQUISHED BY / AFFILIATION: **JAMES COOY / PAROX**

DATE: **5/10/07**

TIME: **10:00**

ACCEPTED BY / AFFILIATION: **CON - PAC**

DATE: **5/10/07**

TIME: **11:15**

SAMPLE CONDITIONS: Temp In °C, Received on Ice, Custody Sealed Cooler, Samples Intact

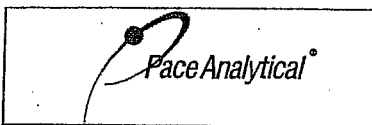
SAMPLER NAME AND SIGNATURE: **JAMES COOY**

PRINT Name of SAMPLER: **JAMES COOY**

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed: **5/10/07**

ORIGINAL



Document Name:
Air Sample Condition Upon Receipt

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

Document Revised: 19Nov2019
Page 1 of 1

Pace Analytical Services -
MI-11111111

WO#: 10509607

PM: CT1 Due Date: 03/02/20
CLIENT: PATRIOT

Air Sample Condition Upon Receipt

Client Name: Patriot Engineering Project #:

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

Tracking Number: 1083 0284 9637 / 9648 / 9590 / 9604 / 9615 / 9626

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: 2/24/20

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 checked="" 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: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans: Y <input checked="" type="checkbox"/> 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
1A-1	2657	2124	-4	FS					
1A-2	1032	2174	-1	FS					
1A-3	1498	1885	<5	//					
SS-1	0393	2066	0	//					
SS-2	2766	1041	-12	//					
DUP	0410	2066	0	//					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: James Cody Date/Time: 2/25/20

Comments/Resolution: notified that SS-1 and DUP recd. at 0

Project Manager Review: Carolynne Hunt

Date: 2/25/20

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)