From: Manthey, Mark <Mark.Manthey@tetratech.com>
Sent: Friday, February 10, 2023 2:29 PM
To: Feeney, John M - DNR
Cc: Shambeau, Jay; Piotrowicz, Mark; Nolan, Julieann
Subject: Former Gehl TIF District #12 Site, 202 South Street and 209 South Street Properties Indoor Air and Soil Gas Testing Results
Attachments: Residential Properties VI Results 2023-02.pdf; 209 South St Cornell VI Results Letter 2023-02.pdf; 202 South St Peters VI Results Letter 2023-02.pdf

CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.

John,

Attached are the letters to the property owners presenting the results for the third round of indoor air and soil gas samples collected from the 202 South Street and 209 South Street houses from January 23 to January 24, 2023. The third round of soil gas samples collected from both houses confirms the results from the two previous sampling events that the TCE concentrations in the soil gas beneath the basement floor of the houses are below the WDNR residential building VRSL of 70 ug/m^3 and therefore do not pose a vapor intrusion risk (see attached table). 1,4-dichlorobenzene and naphthalene were detected in one or both of the indoor air samples collected from the 202 South Street house at concentrations exceeding their WDNR residential building vapor action levels (VALs), and 1,2,4-trichlorobenzene and naphthalene were detected in the one or both of the indoor air samples collected from the 209 South Street house at concentrations exceeding their residential building VALs. These detections are most likely due to outdoor or indoor sources.

This data will also be presented in the January to June 2023 progress report for the former Gehl Co. TIF District #12 Site remedial action. Please contact me if you have any questions or comments concerning the results. Thank you.

Mark A. Manthey, P.G. | Associate Hydrogeologist
Direct **(262) 207-3458** | Office **(262) 792-1282** | Mobile **(262) 385-7331** | Fax **(262) 792-1310** |
mark.manthey@tetratech.com

Tetra Tech | *Leading with Science®*
13555 Bishops Ct, Suite 201 | Brookfield, WI 53005 | tetratech.com

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

Please consider the environment before printing. Read more

TETRA TECH

February 10, 2023

Mr. David E Peters
1958 Cecelia Drive
West Bend, WI 53090

SUBJECT: January 24, 2023 Vapor Intrusion Assessment Results, 202 South Street Property

Dear Mr. Peters,

Thank you for your participation in the vapor intrusion assessment of your Mother's 202 South Street property as part of the City of West Bend's remedial action of groundwater contamination of chlorinated volatile organic compounds (VOCs) on and in the vicinity of the former Gehl Co. West Plant property located on the west side of S. Forest Avenue (WDNR BRRTS #: 02-67-554753). The attached laboratory report from Pace Analytical Services, LLC contains the test results for the two indoor air samples collected from the house, the background outdoor air sample collected in the back yard of a neighbor's property whose home was also tested at the same time as your Mother's property, and the sub-slab soil gas sample collected from the sub-slab soil gas probe installed through the basement floor of the home on January 24, 2022. The indoor air sample collected from the basement has the Sample ID of IA-B-202 South, the indoor air sample collected from the ground floor of the house has the Sample ID of IA-G-202 South, and the sub-slab soil gas sample ID is SG-202 South. The background outdoor air sample has the Sample ID of OA-1. The indoor air, background outdoor air, and sub-slab soil gas test results are provided in units of micrograms per cubic meter (ug/m^3). The name of the parameters that were tested are listed in the 'Parameters' column of the reports and the test results are listed in the 'Results' column of the reports. The LOQ column of the reports list the limit of quantitation concentration for each parameter, which is the minimum concentration that can be quantified with certainty by the laboratory. The LOD column of the reports list the limit of detection for each parameter, which is the minimum concentration of a parameter that must be present before the laboratory can detect it. The less than (<) symbol in front of a result indicates the parameter was not detected in the sample above the listed LOD.

Test Results

Several VOCs were detected in the sub-slab soil gas sample (SG-202 South Sample ID) at concentrations ranging from 0.46 ug/m^3 to 8.8 ug/m^3. None of the reported VOC detections in the sub-slab soil gas sample exceed the vapor risk screening levels (VRSLs) established by the Wisconsin Department of Natural Resources (WDNR) for residential buildings and therefore do not pose a vapor intrusion risk. This is the third soil gas sample collected from the sub-slab soil gas probe. The two other soil gas samples were collected on April 28, 2021 and October 20, 2022. No VRSLs were exceeded in the two other soil gas samples collected from the sub-slab soil gas probe

Several VOCs were detected in the background outdoor air (OA-01) and two indoor air (IA-B-202 South and IA-G-202 South) samples. Review of the outdoor air and indoor air test results shows some of the compounds (1,1,2-Trichlorotrifluoroehtane, Chloromethane, Dichlorodifluoromethane, Naphthalene, and Trichlorofluoromethane) were detected at similar concentrations, which indicates those VOCs are most likely from an outside source. The VOCs detected in the indoor air samples at higher concentrations than the outdoor air sample suggest indoor sources are the primary sources for those VOCs. Indoor sources of VOCs may include cleaning products, personal care products, aerosol spray products, deodorizers, air fresheners, scented candles, and paint.

TETRA TECH
175 N. Corporate Drive, Suite 100, Brookfield, WI 53045
Tel 262.792.1282 Fax 262.792.1310 www.tetratech.com

1,4-Dichlorobenzene was detected at a reported concentration of 5.2 ug/m3 in the indoor air sample collected from the ground floor of the house, which is higher than the WDNR residential building vapor action level (VAL) of 2.6 ug/m3 indicating it may pose a health risk. The soil gas sample and background outdoor air sample test results indicate the sub-slab soil gas and outdoor air are not the source of the detection in the ground floor indoor air sample. Attached is a table prepared by the WDNR listing common household sources of background indoor air contamination. The table lists moth balls, air deodorants, and toilet disinfectant as common sources of 1,4-Dichlorobenzene.

Naphthalene was detected at reported concentrations of 4.9 ug/m^3 in the indoor air sample collected from the basement and 5.1 ug/m^3 in the indoor air sample collected from ground floor of the house, which are higher than the WDNR residential VAL of 0.83 ug/m^3. The reported concentration of naphthalene in the background outdoor air sample (OA-01 sample ID) was 4.7 ug/m3, which is very similar to the naphthalene concentrations reported for the two indoor air samples. Because the naphthalene concentrations in the two indoor air samples are at similar concentrations to the naphthalene concentration in the background outdoor air sample, it is very likely the naphthalene detections in the indoor air samples are from an outdoor source, such as automobile exhaust.

Conclusions

The test results indicate the low-level VOCs detected in the sub-slab soil gas samples collected from the sub-slab soil gas probe installed through the basement floor your Mother's home at 202 South Street do not pose a vapor intrusion risk and soil gas is not the source of the 1,4-Dichlorobenzene detected in the indoor air sample. The VOCs detected in the indoor air samples collected from the basement and main level of the home are therefore likely due to outdoor sources or products and items used or stored in the home.

The test results were also submitted to the WDNR for review. Typically the WDNR recommends collecting three rounds of indoor air and soil gas samples for vapor intrusion assessments so no additional testing is anticipated. If the WDNR does not recommend additional testing the house, we will contact you to schedule a day and time to remove the sub-slab soil gas probe.

****

If you have any questions or concerns about the test results, please call Mr. Jay Shambeau, City of West Bend Administrator, at 262-335-5171, John Feeney of the WDNR, at 262-416-8643, or Brita Kilburg-Basnyat, Ph. D., of the Wisconsin Department of Health Services, at 608-266-2817.

Sincerely,
Tetra Tech

Mark A. Manthey, P.G.
Associate Hydrogeologist
Enclosures: Pace Analytical, LLC Laboratory Report
WDNR Table of Background Vapor Sources
cc: Jay Shambeau, City of West Bend
John Feeney, Wisconsin DNR

APPENDIX A – BACKGROUND VAPOR SOURCES

COMMON HOUSEHOLD SOURCES OF BACKGROUND INDOOR AIR CONTAMINATION LISTED BY PRODUCT
NOTE: Analysis of indoor air should be specific to the VOCs expected from soil and/or groundwater contamination. (e.g.if CVOCs are the target chemical, then items containing CVOCs should be removed from the building at least 24 hours prior to sampling.)
Fuel containers or devices using gasoline, kerosene, fuel oil and products with petroleum distillates: - paint thinner - oil-based stains and paint - aerosol or liquid insect pest products - mineral spirits - furniture polishes
Personal care products: - nail polish - nail polish remover - colognes and perfumes - rubbing alcohol - hair spray
Dry cleaned clothes, spot removers, fabric/ leather cleaners
Household Cleaners - Oven cleaners - Carpet/upholstery cleaners - Bathroom cleaner - Appliance cleaner - Citrus (orange) oil or pine oil cleaners - Furniture/floor polish
PVC cement and primer, various adhesives, contact cement, model cement
Paint stripper and adhesive (glue) removers
Degreasers and cleaning solvents, such as: - aerosol penetrating oils - brake cleaner - carburetor cleaner - commercial solvents - electronics cleaners - spray lubricants
Moth balls and moth flakes
Aerosol spray products: - paints - cosmetics - automotive products - leather treatments - pesticides
Deodorizers, air fresheners, scented trees, potpourri, and scented candles
Hobby supplies
- paints and lacquers - solvents - glues - photo darkroom chemicals

APPENDIX A – BACKGROUND VAPOR SOURCES

COMMON HOUSEHOLD SOURCES OF BACKGROUND INDOOR AIR CONTAMINATION LISTED BY CHEMICAL[1,2]	
Acetone	rubber cement, cleaning fluids, scented candles and nail polish remover
Benzene	automobile exhaust, gasoline, cigarette smoke, scented candles, scatter rugs and carpet glue
Bromomethane	soil or space fumigant
1, 3-Butadiene	automobile exhaust and residential wood combustion
2-Butanone (MEK)	automobile exhaust, printing inks, fragrance/flavoring agent in candy and perfume, paint, glue, cleaning agents and cigarette smoke
Chlorobenzene	scented candles, plastic foam insulation and paint products
Chloroethane	Refrigerant
Chloroform	generated from chlorinated water (showers)
Cyclohexane	gasoline, paint thinner, paint and varnish remover
1,4-Dichlorobenzene	moth balls, general insecticide in farming, air deodorant and toilet disinfectant
Dichlorodifluoromethane	refrigerant (CFCs) and cleaning solvent
1, 1-Dichloroethane	plastic products (food and other packaging material) and flame retardant fabrics
1,2-Dichloroethane	molded plastic objects/decorations (particularly from China), cigarette smoke, PVC and vinyl floor adhesives[3]
1, 3-Dichloropropene	fungicides
Ethylbenzene	paint, paint thinners, insecticides, wood office furniture, scented candles and gasoline
Formaldehyde	building materials (particle board), furniture, insulation and cigarette smoke
n-Heptane	gasoline, nail polishes, wood office furniture and petroleum products
n- Hexane	gasoline, rubber cement, typing correction fluid and aerosols in perfumes
Methylene chloride	hairspray, paint stripper, rug cleaners, insecticides and furniture polish
Methyl isobutyl ketone (MIBK)	paints, varnishes, dry cleaning preparations, naturally found in oranges, grapes and vinegar
Methyl *tert* butyl ether (MTBE)	gasoline (oxygenating agent)
Naphthalene	cigarette smoke, automobile exhaust, residential wood combustion, insecticides and moth balls
Styrene	cigarette smoke, automobile exhaust, fiberglass, rubber and epoxy adhesives, occurs naturally in various fruits, vegetables, nuts and meats
Tertiary butyl alcohol (TBA)	gasoline (oxygenating agent)
1,1,2,2-Tetrachloroethane	solvent, paint and rust removers, varnishes and lacquers
Tetrachloroethene (PCE)	dry cleaning, metal degreasing, adhesives and glues, insecticides, scented candles and rug cleaner
Toluene	gasoline, automobile exhaust, polishes, nail polish, synthetic fragrances, paint, scented candles, paint thinner, adhesives and cigarette smoke
1, 1, 1-Trichloroethane	spot cleaner, glues, insecticides, drain cleaners, shoe polish
Trichloroethene (TCE)	glues, adhesives, paint removers, spot removers, rug cleaning fluids, paints, metal cleaners, and automotive cleaning and degreasing products
1, 2, 4 and 1,3,5 - Trimethylbenzene	gasoline and automobile exhaust
Xylenes, total	water sealer, gasoline, automobile exhaust, markers, paint, floor polish and cigarette smoke

[1] Department of Defense (DOD). 2009. DoD Vapor Intrusion Handbook. Prepared by the Tri-Service Environmental Risk Assessment Workgroup. January 2009.

[2] New Jersey Department of Environmental Protection (NJDEP). 2016. Vapor Intrusion Technical Guidance, Appendix H. NJDEP, Site Remediation and Waste Management Program, Trenton, NJ. August, 2016. http://www.nj.gov/dep/srp/guidance/vaporintrusion/vig_appendices.pdf

[3] Kurtz, J.P. et. al. 2010. Evidence for increasing indoor sources of 1,2-dichloroethane since 2004 at two Colorado residential vapor intrusion sites. *Ground Water Monitoring and Remediation*. 30, no. 3: 107-112.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

February 01, 2023

Mr. Mark Manthey
Tetra Tech
13555 Bishops Ct.
Suite 201
Brookfield, WI 53005

RE: Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Dear Mr. Manthey:

Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,

Matt Ray
matt.ray@pacelabs.com
(612)607-1700
Project Manager

Enclosures

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10640902003	**OA-01**	Air	01/24/23 09:15	01/25/23 10:20
10640902004	**IA-B-202 South**	Air	01/24/23 10:00	01/25/23 10:20
10640902005	**IA-G-202 South**	Air	01/24/23 10:05	01/25/23 10:20
10640902007	**SG-202 South**	Air	01/24/23 10:30	01/25/23 10:20

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10640902003	**OA-01**	TO-15	SW	61	PASI-M
10640902004	**IA-B-202 South**	TO-15	SW	61	PASI-M
10640902005	**IA-G-202 South**	TO-15	SW	61	PASI-M
10640902007	**SG-202 South**	TO-15	SW	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: OA-01 **Lab ID: 10640902003** Collected: 01/24/23 09:15 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**6.2J**	ug/m3	8.5	3.1	1.41		01/31/23 17:04	67-64-1	
Benzene	**0.46J**	ug/m3	0.46	0.16	1.41		01/31/23 17:04	71-43-2	
Benzyl chloride	**<1.1**	ug/m3	3.7	1.1	1.41		01/31/23 17:04	100-44-7	
Bromodichloromethane	**<0.45**	ug/m3	1.9	0.45	1.41		01/31/23 17:04	75-27-4	
Bromoform	**<1.1**	ug/m3	7.4	1.1	1.41		01/31/23 17:04	75-25-2	
Bromomethane	**<0.42**	ug/m3	1.1	0.42	1.41		01/31/23 17:04	74-83-9	
1,3-Butadiene	**<0.16**	ug/m3	0.63	0.16	1.41		01/31/23 17:04	106-99-0	
2-Butanone (MEK)	**1.1J**	ug/m3	4.2	0.53	1.41		01/31/23 17:04	78-93-3	
Carbon disulfide	**<0.33**	ug/m3	0.89	0.33	1.41		01/31/23 17:04	75-15-0	
Carbon tetrachloride	**<0.59**	ug/m3	1.8	0.59	1.41		01/31/23 17:04	56-23-5	
Chlorobenzene	**<0.20**	ug/m3	1.3	0.20	1.41		01/31/23 17:04	108-90-7	
Chloroethane	**<0.29**	ug/m3	0.76	0.29	1.41		01/31/23 17:04	75-00-3	
Chloroform	**<0.19**	ug/m3	0.70	0.19	1.41		01/31/23 17:04	67-66-3	
Chloromethane	**0.85**	ug/m3	0.59	0.12	1.41		01/31/23 17:04	74-87-3	
Cyclohexane	**<0.19**	ug/m3	2.5	0.19	1.41		01/31/23 17:04	110-82-7	
Dibromochloromethane	**<0.51**	ug/m3	2.4	0.51	1.41		01/31/23 17:04	124-48-1	
1,2-Dibromoethane (EDB)	**<0.44**	ug/m3	1.1	0.44	1.41		01/31/23 17:04	106-93-4	
1,2-Dichlorobenzene	**<1.2**	ug/m3	4.3	1.2	1.41		01/31/23 17:04	95-50-1	
1,3-Dichlorobenzene	**<1.2**	ug/m3	4.3	1.2	1.41		01/31/23 17:04	541-73-1	
1,4-Dichlorobenzene	**<1.1**	ug/m3	4.3	1.1	1.41		01/31/23 17:04	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.4	0.72	1.41		01/31/23 17:04	75-71-8	
1,1-Dichloroethane	**<0.15**	ug/m3	1.2	0.15	1.41		01/31/23 17:04	75-34-3	
1,2-Dichloroethane	**<0.18**	ug/m3	1.2	0.18	1.41		01/31/23 17:04	107-06-2	
1,1-Dichloroethene	**<0.23**	ug/m3	1.1	0.23	1.41		01/31/23 17:04	75-35-4	
cis-1,2-Dichloroethene	**<0.30**	ug/m3	1.1	0.30	1.41		01/31/23 17:04	156-59-2	
trans-1,2-Dichloroethene	**<0.59**	ug/m3	1.1	0.59	1.41		01/31/23 17:04	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/m3	1.3	0.28	1.41		01/31/23 17:04	78-87-5	
cis-1,3-Dichloropropene	**<0.92**	ug/m3	3.3	0.92	1.41		01/31/23 17:04	10061-01-5	
trans-1,3-Dichloropropene	**<1.1**	ug/m3	3.3	1.1	1.41		01/31/23 17:04	10061-02-6	
Dichlorotetrafluoroethane	**<0.34**	ug/m3	2.0	0.34	1.41		01/31/23 17:04	76-14-2	
Ethanol	**5.4**	ug/m3	2.7	1.3	1.41		01/31/23 17:04	64-17-5	
Ethyl acetate	**<0.23**	ug/m3	1.0	0.23	1.41		01/31/23 17:04	141-78-6	
Ethylbenzene	**<0.25**	ug/m3	1.2	0.25	1.41		01/31/23 17:04	100-41-4	
4-Ethyltoluene	**<0.57**	ug/m3	3.5	0.57	1.41		01/31/23 17:04	622-96-8	
n-Heptane	**<0.18**	ug/m3	1.2	0.18	1.41		01/31/23 17:04	142-82-5	
Hexachloro-1,3-butadiene	**<2.5**	ug/m3	7.6	2.5	1.41		01/31/23 17:04	87-68-3	
n-Hexane	**<0.33**	ug/m3	1.0	0.33	1.41		01/31/23 17:04	110-54-3	
2-Hexanone	**<0.97**	ug/m3	5.9	0.97	1.41		01/31/23 17:04	591-78-6	
Methylene Chloride	**0.31J**	ug/m3	5.0	0.18	1.41		01/31/23 17:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.76**	ug/m3	5.9	0.76	1.41		01/31/23 17:04	108-10-1	
Methyl-tert-butyl ether	**<0.35**	ug/m3	5.2	0.35	1.41		01/31/23 17:04	1634-04-4	
Naphthalene	**4.7**	ug/m3	3.8	2.9	1.41		01/31/23 17:04	91-20-3	
2-Propanol	**<1.4**	ug/m3	3.5	1.4	1.41		01/31/23 17:04	67-63-0	
Propylene	**<0.50**	ug/m3	1.2	0.50	1.41		01/31/23 17:04	115-07-1	
Styrene	**<0.59**	ug/m3	1.2	0.59	1.41		01/31/23 17:04	100-42-5	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: OA-01 **Lab ID: 10640902003** Collected: 01/24/23 09:15 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,1,2,2-Tetrachloroethane	**<0.40**	ug/m3	2.0	0.40	1.41		01/31/23 17:04	79-34-5	
Tetrachloroethene	**<0.35**	ug/m3	0.97	0.35	1.41		01/31/23 17:04	127-18-4	
Tetrahydrofuran	**<0.26**	ug/m3	0.85	0.26	1.41		01/31/23 17:04	109-99-9	
Toluene	**0.26J**	ug/m3	1.1	0.23	1.41		01/31/23 17:04	108-88-3	
1,2,4-Trichlorobenzene	**<8.1**	ug/m3	10.6	8.1	1.41		01/31/23 17:04	120-82-1	
1,1,1-Trichloroethane	**<0.26**	ug/m3	1.6	0.26	1.41		01/31/23 17:04	71-55-6	
1,1,2-Trichloroethane	**<0.36**	ug/m3	0.78	0.36	1.41		01/31/23 17:04	79-00-5	
Trichloroethene	**<0.34**	ug/m3	0.77	0.34	1.41		01/31/23 17:04	79-01-6	
Trichlorofluoromethane	**1.3J**	ug/m3	1.6	0.28	1.41		01/31/23 17:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	**0.64J**	ug/m3	2.2	0.32	1.41		01/31/23 17:04	76-13-1	
1,2,4-Trimethylbenzene	**<0.49**	ug/m3	1.4	0.49	1.41		01/31/23 17:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.39**	ug/m3	1.4	0.39	1.41		01/31/23 17:04	108-67-8	
Vinyl acetate	**<0.25**	ug/m3	1.0	0.25	1.41		01/31/23 17:04	108-05-4	
Vinyl chloride	**<0.14**	ug/m3	0.37	0.14	1.41		01/31/23 17:04	75-01-4	
m&p-Xylene	**<0.69**	ug/m3	2.5	0.69	1.41		01/31/23 17:04	179601-23-1	
o-Xylene	**<0.25**	ug/m3	1.2	0.25	1.41		01/31/23 17:04	95-47-6	

Sample: IA-B-202 South **Lab ID: 10640902004** Collected: 01/24/23 10:00 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**13.1**	ug/m3	8.8	3.3	1.46		01/31/23 17:38	67-64-1	
Benzene	**1.6**	ug/m3	0.47	0.16	1.46		01/31/23 17:38	71-43-2	
Benzyl chloride	**<1.1**	ug/m3	3.8	1.1	1.46		01/31/23 17:38	100-44-7	
Bromodichloromethane	**<0.47**	ug/m3	2.0	0.47	1.46		01/31/23 17:38	75-27-4	
Bromoform	**<1.1**	ug/m3	7.7	1.1	1.46		01/31/23 17:38	75-25-2	
Bromomethane	**<0.43**	ug/m3	1.2	0.43	1.46		01/31/23 17:38	74-83-9	
1,3-Butadiene	**<0.16**	ug/m3	0.66	0.16	1.46		01/31/23 17:38	106-99-0	
2-Butanone (MEK)	**2.2J**	ug/m3	4.4	0.55	1.46		01/31/23 17:38	78-93-3	
Carbon disulfide	**<0.34**	ug/m3	0.92	0.34	1.46		01/31/23 17:38	75-15-0	
Carbon tetrachloride	**<0.61**	ug/m3	1.9	0.61	1.46		01/31/23 17:38	56-23-5	
Chlorobenzene	**<0.20**	ug/m3	1.4	0.20	1.46		01/31/23 17:38	108-90-7	
Chloroethane	**<0.30**	ug/m3	0.78	0.30	1.46		01/31/23 17:38	75-00-3	
Chloroform	**<0.20**	ug/m3	0.72	0.20	1.46		01/31/23 17:38	67-66-3	
Chloromethane	**0.95**	ug/m3	0.61	0.13	1.46		01/31/23 17:38	74-87-3	
Cyclohexane	**0.37J**	ug/m3	2.6	0.20	1.46		01/31/23 17:38	110-82-7	
Dibromochloromethane	**<0.53**	ug/m3	2.5	0.53	1.46		01/31/23 17:38	124-48-1	
1,2-Dibromoethane (EDB)	**<0.45**	ug/m3	1.1	0.45	1.46		01/31/23 17:38	106-93-4	
1,2-Dichlorobenzene	**<1.3**	ug/m3	4.5	1.3	1.46		01/31/23 17:38	95-50-1	
1,3-Dichlorobenzene	**<1.2**	ug/m3	4.5	1.2	1.46		01/31/23 17:38	541-73-1	
1,4-Dichlorobenzene	**2.4J**	ug/m3	4.5	1.2	1.46		01/31/23 17:38	106-46-7	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: IA-B-202 South **Lab ID: 10640902004** Collected: 01/24/23 10:00 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dichlorodifluoromethane	**2.5**	ug/m3	1.5	0.75	1.46		01/31/23 17:38	75-71-8	
1,1-Dichloroethane	**<0.16**	ug/m3	1.2	0.16	1.46		01/31/23 17:38	75-34-3	
1,2-Dichloroethane	**0.23J**	ug/m3	1.2	0.19	1.46		01/31/23 17:38	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/m3	1.2	0.24	1.46		01/31/23 17:38	75-35-4	
cis-1,2-Dichloroethene	**<0.31**	ug/m3	1.2	0.31	1.46		01/31/23 17:38	156-59-2	
trans-1,2-Dichloroethene	**<0.61**	ug/m3	1.2	0.61	1.46		01/31/23 17:38	156-60-5	
1,2-Dichloropropane	**<0.29**	ug/m3	1.4	0.29	1.46		01/31/23 17:38	78-87-5	
cis-1,3-Dichloropropene	**<0.95**	ug/m3	3.4	0.95	1.46		01/31/23 17:38	10061-01-5	
trans-1,3-Dichloropropene	**<1.1**	ug/m3	3.4	1.1	1.46		01/31/23 17:38	10061-02-6	
Dichlorotetrafluoroethane	**<0.35**	ug/m3	2.1	0.35	1.46		01/31/23 17:38	76-14-2	
Ethanol	**92.8**	ug/m3	2.8	1.3	1.46		01/31/23 17:38	64-17-5	
Ethyl acetate	**0.42J**	ug/m3	1.1	0.23	1.46		01/31/23 17:38	141-78-6	
Ethylbenzene	**0.65J**	ug/m3	1.3	0.26	1.46		01/31/23 17:38	100-41-4	
4-Ethyltoluene	**<0.59**	ug/m3	3.6	0.59	1.46		01/31/23 17:38	622-96-8	
n-Heptane	**<0.19**	ug/m3	1.2	0.19	1.46		01/31/23 17:38	142-82-5	
Hexachloro-1,3-butadiene	**<2.6**	ug/m3	7.9	2.6	1.46		01/31/23 17:38	87-68-3	
n-Hexane	**1.1**	ug/m3	1.0	0.34	1.46		01/31/23 17:38	110-54-3	
2-Hexanone	**<1.0**	ug/m3	6.1	1.0	1.46		01/31/23 17:38	591-78-6	
Methylene Chloride	**0.58J**	ug/m3	5.2	0.18	1.46		01/31/23 17:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.79**	ug/m3	6.1	0.79	1.46		01/31/23 17:38	108-10-1	
Methyl-tert-butyl ether	**<0.36**	ug/m3	5.3	0.36	1.46		01/31/23 17:38	1634-04-4	
Naphthalene	**4.9**	ug/m3	3.9	3.1	1.46		01/31/23 17:38	91-20-3	
2-Propanol	**14.3**	ug/m3	3.6	1.4	1.46		01/31/23 17:38	67-63-0	
Propylene	**<0.52**	ug/m3	1.3	0.52	1.46		01/31/23 17:38	115-07-1	
Styrene	**<0.61**	ug/m3	1.3	0.61	1.46		01/31/23 17:38	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.42**	ug/m3	2.0	0.42	1.46		01/31/23 17:38	79-34-5	
Tetrachloroethene	**<0.36**	ug/m3	1.0	0.36	1.46		01/31/23 17:38	127-18-4	
Tetrahydrofuran	**<0.27**	ug/m3	0.88	0.27	1.46		01/31/23 17:38	109-99-9	
Toluene	**2.1**	ug/m3	1.1	0.24	1.46		01/31/23 17:38	108-88-3	
1,2,4-Trichlorobenzene	**<8.4**	ug/m3	11.0	8.4	1.46		01/31/23 17:38	120-82-1	
1,1,1-Trichloroethane	**<0.26**	ug/m3	1.6	0.26	1.46		01/31/23 17:38	71-55-6	
1,1,2-Trichloroethane	**<0.38**	ug/m3	0.81	0.38	1.46		01/31/23 17:38	79-00-5	
Trichloroethene	**<0.35**	ug/m3	0.80	0.35	1.46		01/31/23 17:38	79-01-6	
Trichlorofluoromethane	**1.4J**	ug/m3	1.7	0.29	1.46		01/31/23 17:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	**0.59J**	ug/m3	2.3	0.33	1.46		01/31/23 17:38	76-13-1	
1,2,4-Trimethylbenzene	**<0.51**	ug/m3	1.5	0.51	1.46		01/31/23 17:38	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/m3	1.5	0.40	1.46		01/31/23 17:38	108-67-8	
Vinyl acetate	**<0.26**	ug/m3	1.0	0.26	1.46		01/31/23 17:38	108-05-4	
Vinyl chloride	**<0.14**	ug/m3	0.38	0.14	1.46		01/31/23 17:38	75-01-4	
m&p-Xylene	**2.0J**	ug/m3	2.6	0.72	1.46		01/31/23 17:38	179601-23-1	
o-Xylene	**0.81J**	ug/m3	1.3	0.26	1.46		01/31/23 17:38	95-47-6	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: IA-G-202 South **Lab ID: 10640902005** Collected: 01/24/23 10:05 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**36.4**	ug/m3	9.2	3.4	1.52		01/31/23 18:12	67-64-1	
Benzene	**2.1**	ug/m3	0.49	0.17	1.52		01/31/23 18:12	71-43-2	
Benzyl chloride	**<1.2**	ug/m3	4.0	1.2	1.52		01/31/23 18:12	100-44-7	
Bromodichloromethane	**<0.49**	ug/m3	2.1	0.49	1.52		01/31/23 18:12	75-27-4	
Bromoform	**<1.2**	ug/m3	8.0	1.2	1.52		01/31/23 18:12	75-25-2	
Bromomethane	**<0.45**	ug/m3	1.2	0.45	1.52		01/31/23 18:12	74-83-9	
1,3-Butadiene	**<0.17**	ug/m3	0.68	0.17	1.52		01/31/23 18:12	106-99-0	
2-Butanone (MEK)	**5.6**	ug/m3	4.6	0.57	1.52		01/31/23 18:12	78-93-3	
Carbon disulfide	**<0.36**	ug/m3	0.96	0.36	1.52		01/31/23 18:12	75-15-0	
Carbon tetrachloride	**<0.64**	ug/m3	1.9	0.64	1.52		01/31/23 18:12	56-23-5	
Chlorobenzene	**<0.21**	ug/m3	1.4	0.21	1.52		01/31/23 18:12	108-90-7	
Chloroethane	**<0.31**	ug/m3	0.81	0.31	1.52		01/31/23 18:12	75-00-3	
Chloroform	**0.31J**	ug/m3	0.75	0.20	1.52		01/31/23 18:12	67-66-3	
Chloromethane	**1.1**	ug/m3	0.64	0.13	1.52		01/31/23 18:12	74-87-3	
Cyclohexane	**0.67J**	ug/m3	2.7	0.20	1.52		01/31/23 18:12	110-82-7	
Dibromochloromethane	**<0.55**	ug/m3	2.6	0.55	1.52		01/31/23 18:12	124-48-1	
1,2-Dibromoethane (EDB)	**<0.47**	ug/m3	1.2	0.47	1.52		01/31/23 18:12	106-93-4	
1,2-Dichlorobenzene	**<1.3**	ug/m3	4.7	1.3	1.52		01/31/23 18:12	95-50-1	
1,3-Dichlorobenzene	**<1.3**	ug/m3	4.7	1.3	1.52		01/31/23 18:12	541-73-1	
1,4-Dichlorobenzene	**5.2**	ug/m3	4.7	1.2	1.52		01/31/23 18:12	106-46-7	
Dichlorodifluoromethane	**2.4**	ug/m3	1.5	0.78	1.52		01/31/23 18:12	75-71-8	
1,1-Dichloroethane	**<0.16**	ug/m3	1.3	0.16	1.52		01/31/23 18:12	75-34-3	
1,2-Dichloroethane	**0.53J**	ug/m3	1.3	0.19	1.52		01/31/23 18:12	107-06-2	
1,1-Dichloroethene	**<0.25**	ug/m3	1.2	0.25	1.52		01/31/23 18:12	75-35-4	
cis-1,2-Dichloroethene	**<0.33**	ug/m3	1.2	0.33	1.52		01/31/23 18:12	156-59-2	
trans-1,2-Dichloroethene	**<0.63**	ug/m3	1.2	0.63	1.52		01/31/23 18:12	156-60-5	
1,2-Dichloropropane	**<0.31**	ug/m3	1.4	0.31	1.52		01/31/23 18:12	78-87-5	
cis-1,3-Dichloropropene	**<0.99**	ug/m3	3.5	0.99	1.52		01/31/23 18:12	10061-01-5	
trans-1,3-Dichloropropene	**<1.2**	ug/m3	3.5	1.2	1.52		01/31/23 18:12	10061-02-6	
Dichlorotetrafluoroethane	**<0.37**	ug/m3	2.2	0.37	1.52		01/31/23 18:12	76-14-2	
Ethanol	**363**	ug/m3	2.9	1.4	1.52		01/31/23 18:12	64-17-5	
Ethyl acetate	**1.0J**	ug/m3	1.1	0.24	1.52		01/31/23 18:12	141-78-6	
Ethylbenzene	**0.99J**	ug/m3	1.3	0.27	1.52		01/31/23 18:12	100-41-4	
4-Ethyltoluene	**<0.62**	ug/m3	3.8	0.62	1.52		01/31/23 18:12	622-96-8	
n-Heptane	**<0.20**	ug/m3	1.3	0.20	1.52		01/31/23 18:12	142-82-5	
Hexachloro-1,3-butadiene	**<2.7**	ug/m3	8.2	2.7	1.52		01/31/23 18:12	87-68-3	
n-Hexane	**1.2**	ug/m3	1.1	0.35	1.52		01/31/23 18:12	110-54-3	
2-Hexanone	**<1.0**	ug/m3	6.3	1.0	1.52		01/31/23 18:12	591-78-6	
Methylene Chloride	**1.2J**	ug/m3	5.4	0.19	1.52		01/31/23 18:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	**1.1J**	ug/m3	6.3	0.82	1.52		01/31/23 18:12	108-10-1	
Methyl-tert-butyl ether	**<0.38**	ug/m3	5.6	0.38	1.52		01/31/23 18:12	1634-04-4	
Naphthalene	**5.1**	ug/m3	4.0	3.2	1.52		01/31/23 18:12	91-20-3	
2-Propanol	**153**	ug/m3	3.8	1.5	1.52		01/31/23 18:12	67-63-0	
Propylene	**<0.54**	ug/m3	1.3	0.54	1.52		01/31/23 18:12	115-07-1	
Styrene	**1.7**	ug/m3	1.3	0.63	1.52		01/31/23 18:12	100-42-5	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: IA-G-202 South **Lab ID: 10640902005** Collected: 01/24/23 10:05 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,1,2,2-Tetrachloroethane	**<0.44**	ug/m3	2.1	0.44	1.52		01/31/23 18:12	79-34-5	
Tetrachloroethene	**<0.38**	ug/m3	1.0	0.38	1.52		01/31/23 18:12	127-18-4	
Tetrahydrofuran	**<0.28**	ug/m3	0.91	0.28	1.52		01/31/23 18:12	109-99-9	
Toluene	**5.5**	ug/m3	1.2	0.25	1.52		01/31/23 18:12	108-88-3	
1,2,4-Trichlorobenzene	**<8.7**	ug/m3	11.5	8.7	1.52		01/31/23 18:12	120-82-1	
1,1,1-Trichloroethane	**<0.28**	ug/m3	1.7	0.28	1.52		01/31/23 18:12	71-55-6	
1,1,2-Trichloroethane	**<0.39**	ug/m3	0.84	0.39	1.52		01/31/23 18:12	79-00-5	
Trichloroethene	**<0.36**	ug/m3	0.83	0.36	1.52		01/31/23 18:12	79-01-6	
Trichlorofluoromethane	**1.3J**	ug/m3	1.7	0.31	1.52		01/31/23 18:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	**0.65J**	ug/m3	2.4	0.35	1.52		01/31/23 18:12	76-13-1	
1,2,4-Trimethylbenzene	**1.1J**	ug/m3	1.5	0.53	1.52		01/31/23 18:12	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/m3	1.5	0.42	1.52		01/31/23 18:12	108-67-8	
Vinyl acetate	**<0.27**	ug/m3	1.1	0.27	1.52		01/31/23 18:12	108-05-4	
Vinyl chloride	**<0.15**	ug/m3	0.40	0.15	1.52		01/31/23 18:12	75-01-4	
m&p-Xylene	**2.8**	ug/m3	2.7	0.75	1.52		01/31/23 18:12	179601-23-1	
o-Xylene	**1.3J**	ug/m3	1.3	0.27	1.52		01/31/23 18:12	95-47-6	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: SG-202 South **Lab ID: 10640902007** Collected: 01/24/23 10:30 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**8.8J**	ug/m3	10.6	3.9	1.75		01/31/23 19:20	67-64-1	
Benzene	**0.46J**	ug/m3	0.57	0.19	1.75		01/31/23 19:20	71-43-2	
Benzyl chloride	**<1.3**	ug/m3	4.6	1.3	1.75		01/31/23 19:20	100-44-7	
Bromodichloromethane	**<0.56**	ug/m3	2.4	0.56	1.75		01/31/23 19:20	75-27-4	
Bromoform	**<1.4**	ug/m3	9.2	1.4	1.75		01/31/23 19:20	75-25-2	
Bromomethane	**<0.52**	ug/m3	1.4	0.52	1.75		01/31/23 19:20	74-83-9	
1,3-Butadiene	**<0.19**	ug/m3	0.79	0.19	1.75		01/31/23 19:20	106-99-0	
2-Butanone (MEK)	**0.68J**	ug/m3	5.2	0.66	1.75		01/31/23 19:20	78-93-3	
Carbon disulfide	**<0.41**	ug/m3	1.1	0.41	1.75		01/31/23 19:20	75-15-0	
Carbon tetrachloride	**<0.73**	ug/m3	2.2	0.73	1.75		01/31/23 19:20	56-23-5	
Chlorobenzene	**<0.24**	ug/m3	1.6	0.24	1.75		01/31/23 19:20	108-90-7	
Chloroethane	**<0.36**	ug/m3	0.94	0.36	1.75		01/31/23 19:20	75-00-3	
Chloroform	**<0.23**	ug/m3	0.87	0.23	1.75		01/31/23 19:20	67-66-3	
Chloromethane	**<0.15**	ug/m3	0.74	0.15	1.75		01/31/23 19:20	74-87-3	
Cyclohexane	**<0.23**	ug/m3	3.1	0.23	1.75		01/31/23 19:20	110-82-7	
Dibromochloromethane	**<0.63**	ug/m3	3.0	0.63	1.75		01/31/23 19:20	124-48-1	
1,2-Dibromoethane (EDB)	**<0.54**	ug/m3	1.4	0.54	1.75		01/31/23 19:20	106-93-4	
1,2-Dichlorobenzene	**<1.5**	ug/m3	5.4	1.5	1.75		01/31/23 19:20	95-50-1	
1,3-Dichlorobenzene	**<1.4**	ug/m3	5.4	1.4	1.75		01/31/23 19:20	541-73-1	
1,4-Dichlorobenzene	**2.5J**	ug/m3	5.4	1.4	1.75		01/31/23 19:20	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.8	0.90	1.75		01/31/23 19:20	75-71-8	
1,1-Dichloroethane	**<0.19**	ug/m3	1.4	0.19	1.75		01/31/23 19:20	75-34-3	
1,2-Dichloroethane	**<0.22**	ug/m3	1.4	0.22	1.75		01/31/23 19:20	107-06-2	
1,1-Dichloroethene	**<0.29**	ug/m3	1.4	0.29	1.75		01/31/23 19:20	75-35-4	
cis-1,2-Dichloroethene	**<0.37**	ug/m3	1.4	0.37	1.75		01/31/23 19:20	156-59-2	
trans-1,2-Dichloroethene	**<0.73**	ug/m3	1.4	0.73	1.75		01/31/23 19:20	156-60-5	
1,2-Dichloropropane	**<0.35**	ug/m3	1.6	0.35	1.75		01/31/23 19:20	78-87-5	
cis-1,3-Dichloropropene	**<1.1**	ug/m3	4.0	1.1	1.75		01/31/23 19:20	10061-01-5	
trans-1,3-Dichloropropene	**<1.4**	ug/m3	4.0	1.4	1.75		01/31/23 19:20	10061-02-6	
Dichlorotetrafluoroethane	**<0.43**	ug/m3	2.5	0.43	1.75		01/31/23 19:20	76-14-2	
Ethanol	**7.3**	ug/m3	3.4	1.6	1.75		01/31/23 19:20	64-17-5	
Ethyl acetate	**<0.28**	ug/m3	1.3	0.28	1.75		01/31/23 19:20	141-78-6	
Ethylbenzene	**0.83J**	ug/m3	1.5	0.31	1.75		01/31/23 19:20	100-41-4	
4-Ethyltoluene	**<0.71**	ug/m3	4.4	0.71	1.75		01/31/23 19:20	622-96-8	
n-Heptane	**<0.23**	ug/m3	1.5	0.23	1.75		01/31/23 19:20	142-82-5	
Hexachloro-1,3-butadiene	**<3.1**	ug/m3	9.5	3.1	1.75		01/31/23 19:20	87-68-3	
n-Hexane	**<0.41**	ug/m3	1.3	0.41	1.75		01/31/23 19:20	110-54-3	
2-Hexanone	**<1.2**	ug/m3	7.3	1.2	1.75		01/31/23 19:20	591-78-6	
Methylene Chloride	**<0.22**	ug/m3	6.2	0.22	1.75		01/31/23 19:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.94**	ug/m3	7.3	0.94	1.75		01/31/23 19:20	108-10-1	
Methyl-tert-butyl ether	**<0.44**	ug/m3	6.4	0.44	1.75		01/31/23 19:20	1634-04-4	
Naphthalene	**6.0**	ug/m3	4.7	3.7	1.75		01/31/23 19:20	91-20-3	
2-Propanol	**<1.7**	ug/m3	4.4	1.7	1.75		01/31/23 19:20	67-63-0	
Propylene	**<0.62**	ug/m3	1.5	0.62	1.75		01/31/23 19:20	115-07-1	
Styrene	**2.5**	ug/m3	1.5	0.73	1.75		01/31/23 19:20	100-42-5	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: SG-202 South **Lab ID: 10640902007** Collected: 01/24/23 10:30 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,1,2,2-Tetrachloroethane	**<0.50**	ug/m3	2.4	0.50	1.75		01/31/23 19:20	79-34-5	
Tetrachloroethene	**0.58J**	ug/m3	1.2	0.43	1.75		01/31/23 19:20	127-18-4	
Tetrahydrofuran	**<0.33**	ug/m3	1.0	0.33	1.75		01/31/23 19:20	109-99-9	
Toluene	**0.73J**	ug/m3	1.3	0.28	1.75		01/31/23 19:20	108-88-3	
1,2,4-Trichlorobenzene	**<10.0**	ug/m3	13.2	10.0	1.75		01/31/23 19:20	120-82-1	
1,1,1-Trichloroethane	**3.3**	ug/m3	1.9	0.32	1.75		01/31/23 19:20	71-55-6	
1,1,2-Trichloroethane	**<0.45**	ug/m3	0.97	0.45	1.75		01/31/23 19:20	79-00-5	
Trichloroethene	**3.2**	ug/m3	0.96	0.42	1.75		01/31/23 19:20	79-01-6	
Trichlorofluoromethane	**1.5J**	ug/m3	2.0	0.35	1.75		01/31/23 19:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	**0.78J**	ug/m3	2.7	0.40	1.75		01/31/23 19:20	76-13-1	
1,2,4-Trimethylbenzene	**1.6J**	ug/m3	1.7	0.61	1.75		01/31/23 19:20	95-63-6	
1,3,5-Trimethylbenzene	**<0.48**	ug/m3	1.7	0.48	1.75		01/31/23 19:20	108-67-8	
Vinyl acetate	**<0.31**	ug/m3	1.3	0.31	1.75		01/31/23 19:20	108-05-4	
Vinyl chloride	**<0.17**	ug/m3	0.46	0.17	1.75		01/31/23 19:20	75-01-4	
m&p-Xylene	**2.7J**	ug/m3	3.1	0.86	1.75		01/31/23 19:20	179601-23-1	
o-Xylene	**1.1J**	ug/m3	1.5	0.31	1.75		01/31/23 19:20	95-47-6	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

QC Batch: 865371 | Analysis Method: TO-15
QC Batch Method: TO-15 | Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10640902001, 10640902002, 10640902003, 10640902004, 10640902005, 10640902006, 10640902007

METHOD BLANK: 4568158 | Matrix: Air
Associated Lab Samples: 10640902001, 10640902002, 10640902003, 10640902004, 10640902005, 10640902006, 10640902007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.090	0.56	01/31/23 11:32	
1,1,2,2-Tetrachloroethane	ug/m3	<0.14	0.70	01/31/23 11:32	
1,1,2-Trichloroethane	ug/m3	<0.13	0.28	01/31/23 11:32	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.11	0.78	01/31/23 11:32	
1,1-Dichloroethane	ug/m3	<0.054	0.41	01/31/23 11:32	
1,1-Dichloroethene	ug/m3	<0.082	0.40	01/31/23 11:32	
1,2,4-Trichlorobenzene	ug/m3	<2.9	3.8	01/31/23 11:32	
1,2,4-Trimethylbenzene	ug/m3	<0.18	0.50	01/31/23 11:32	
1,2-Dibromoethane (EDB)	ug/m3	<0.15	0.39	01/31/23 11:32	
1,2-Dichlorobenzene	ug/m3	<0.43	1.5	01/31/23 11:32	
1,2-Dichloroethane	ug/m3	<0.064	0.41	01/31/23 11:32	
1,2-Dichloropropane	ug/m3	<0.10	0.47	01/31/23 11:32	
1,3,5-Trimethylbenzene	ug/m3	<0.14	0.50	01/31/23 11:32	
1,3-Butadiene	ug/m3	<0.056	0.22	01/31/23 11:32	
1,3-Dichlorobenzene	ug/m3	<0.41	1.5	01/31/23 11:32	
1,4-Dichlorobenzene	ug/m3	<0.41	1.5	01/31/23 11:32	
2-Butanone (MEK)	ug/m3	<0.19	1.5	01/31/23 11:32	
2-Hexanone	ug/m3	<0.34	2.1	01/31/23 11:32	
2-Propanol	ug/m3	<0.48	1.2	01/31/23 11:32	
4-Ethyltoluene	ug/m3	<0.20	1.2	01/31/23 11:32	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.27	2.1	01/31/23 11:32	
Acetone	ug/m3	<1.1	3.0	01/31/23 11:32	
Benzene	ug/m3	<0.055	0.16	01/31/23 11:32	
Benzyl chloride	ug/m3	<0.38	1.3	01/31/23 11:32	
Bromodichloromethane	ug/m3	<0.16	0.68	01/31/23 11:32	
Bromoform	ug/m3	<0.39	2.6	01/31/23 11:32	
Bromomethane	ug/m3	<0.15	0.39	01/31/23 11:32	
Carbon disulfide	ug/m3	<0.12	0.32	01/31/23 11:32	
Carbon tetrachloride	ug/m3	<0.21	0.64	01/31/23 11:32	
Chlorobenzene	ug/m3	<0.070	0.47	01/31/23 11:32	
Chloroethane	ug/m3	<0.10	0.27	01/31/23 11:32	
Chloroform	ug/m3	<0.067	0.25	01/31/23 11:32	
Chloromethane	ug/m3	<0.044	0.21	01/31/23 11:32	
cis-1,2-Dichloroethene	ug/m3	<0.11	0.40	01/31/23 11:32	
cis-1,3-Dichloropropene	ug/m3	<0.33	1.2	01/31/23 11:32	
Cyclohexane	ug/m3	<0.067	0.88	01/31/23 11:32	
Dibromochloromethane	ug/m3	<0.18	0.86	01/31/23 11:32	
Dichlorodifluoromethane	ug/m3	<0.26	0.50	01/31/23 11:32	
Dichlorotetrafluoroethane	ug/m3	<0.12	0.71	01/31/23 11:32	
Ethanol	ug/m3	<0.45	0.96	01/31/23 11:32	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

METHOD BLANK: 4568158 Matrix: Air
Associated Lab Samples: 10640902001, 10640902002, 10640902003, 10640902004, 10640902005, 10640902006, 10640902007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.080	0.37	01/31/23 11:32	
Ethylbenzene	ug/m3	<0.090	0.44	01/31/23 11:32	
Hexachloro-1,3-butadiene	ug/m3	<0.88	2.7	01/31/23 11:32	
m&p-Xylene	ug/m3	<0.25	0.88	01/31/23 11:32	
Methyl-tert-butyl ether	ug/m3	<0.12	1.8	01/31/23 11:32	
Methylene Chloride	ug/m3	<0.062	1.8	01/31/23 11:32	
n-Heptane	ug/m3	<0.064	0.42	01/31/23 11:32	
n-Hexane	ug/m3	<0.12	0.36	01/31/23 11:32	
Naphthalene	ug/m3	<1.0	1.3	01/31/23 11:32	
o-Xylene	ug/m3	<0.089	0.44	01/31/23 11:32	
Propylene	ug/m3	<0.18	0.44	01/31/23 11:32	
Styrene	ug/m3	<0.21	0.43	01/31/23 11:32	MN
Tetrachloroethene	ug/m3	<0.12	0.34	01/31/23 11:32	
Tetrahydrofuran	ug/m3	<0.093	0.30	01/31/23 11:32	
Toluene	ug/m3	<0.081	0.38	01/31/23 11:32	
trans-1,2-Dichloroethene	ug/m3	<0.21	0.40	01/31/23 11:32	
trans-1,3-Dichloropropene	ug/m3	<0.39	1.2	01/31/23 11:32	
Trichloroethene	ug/m3	<0.12	0.27	01/31/23 11:32	
Trichlorofluoromethane	ug/m3	<0.10	0.57	01/31/23 11:32	
Vinyl acetate	ug/m3	<0.088	0.36	01/31/23 11:32	
Vinyl chloride	ug/m3	<0.048	0.13	01/31/23 11:32	

LABORATORY CONTROL SAMPLE: 4568159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58	56.6	98	70-133	
1,1,2,2-Tetrachloroethane	ug/m3	72.8	76.8	106	70-138	
1,1,2-Trichloroethane	ug/m3	58.3	59.2	102	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.2	75.3	93	69-139	
1,1-Dichloroethane	ug/m3	42.5	41.6	98	70-133	
1,1-Dichloroethene	ug/m3	41.9	40.2	96	69-134	
1,2,4-Trichlorobenzene	ug/m3	175	157	90	70-130	
1,2,4-Trimethylbenzene	ug/m3	52.5	52.7	100	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.5	86.1	107	70-135	
1,2-Dichlorobenzene	ug/m3	63.9	63.2	99	70-133	
1,2-Dichloroethane	ug/m3	42.4	42.9	101	70-131	
1,2-Dichloropropane	ug/m3	49.3	49.0	99	70-130	
1,3,5-Trimethylbenzene	ug/m3	52.4	52.6	100	70-135	
1,3-Butadiene	ug/m3	23.9	23.4	98	69-137	
1,3-Dichlorobenzene	ug/m3	64.2	63.1	98	70-136	
1,4-Dichlorobenzene	ug/m3	64.3	62.0	96	70-135	
2-Butanone (MEK)	ug/m3	31.3	35.8	114	70-135	
2-Hexanone	ug/m3	43.4	40.2	93	70-130	
2-Propanol	ug/m3	137	128	94	70-130	

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.

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

LABORATORY CONTROL SAMPLE: 4568159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.3	51.6	99	70-137	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	43.3	99	70-142	
Acetone	ug/m3	127	116	91	65-131	
Benzene	ug/m3	33.8	34.1	101	70-130	
Benzyl chloride	ug/m3	55.6	52.2	94	70-130	
Bromodichloromethane	ug/m3	71.5	71.6	100	70-132	
Bromoform	ug/m3	110	131	119	70-143	
Bromomethane	ug/m3	41.4	38.3	92	70-133	
Carbon disulfide	ug/m3	33	31.8	96	70-131	
Carbon tetrachloride	ug/m3	66.7	67.5	101	70-135	
Chlorobenzene	ug/m3	49	50.0	102	70-133	
Chloroethane	ug/m3	28.1	26.4	94	64-140	
Chloroform	ug/m3	52.1	49.2	94	70-133	
Chloromethane	ug/m3	22	20.4	93	68-130	
cis-1,2-Dichloroethene	ug/m3	42.1	42.9	102	70-133	
cis-1,3-Dichloropropene	ug/m3	48.2	53.0	110	70-133	
Cyclohexane	ug/m3	36.4	43.4	119	70-134	
Dibromochloromethane	ug/m3	90.6	92.6	102	70-134	
Dichlorodifluoromethane	ug/m3	52.5	48.3	92	70-130	
Dichlorotetrafluoroethane	ug/m3	74.4	68.2	92	70-130	
Ethanol	ug/m3	113	108	96	65-130	
Ethyl acetate	ug/m3	38.4	41.5	108	70-134	
Ethylbenzene	ug/m3	46.2	46.3	100	70-133	
Hexachloro-1,3-butadiene	ug/m3	130	129	99	70-141	
m&p-Xylene	ug/m3	92.4	90.9	98	70-130	
Methyl-tert-butyl ether	ug/m3	38.3	40.4	105	70-132	
Methylene Chloride	ug/m3	36.8	34.4	93	70-134	
n-Heptane	ug/m3	43.5	47.0	108	69-140	
n-Hexane	ug/m3	37.7	41.4	110	70-137	
Naphthalene	ug/m3	63.9	56.2	88	70-130	
o-Xylene	ug/m3	46	45.9	100	70-132	
Propylene	ug/m3	18.6	17.6	95	69-130	
Styrene	ug/m3	45.3	43.8	97	70-136	
Tetrachloroethene	ug/m3	72	70.4	98	70-139	
Tetrahydrofuran	ug/m3	31.3	35.4	113	70-139	
Toluene	ug/m3	40.2	46.0	114	70-132	
trans-1,2-Dichloroethene	ug/m3	42.3	42.7	101	70-132	
trans-1,3-Dichloropropene	ug/m3	48.4	46.5	96	70-130	
Trichloroethene	ug/m3	57.2	57.7	101	70-132	
Trichlorofluoromethane	ug/m3	60.3	55.6	92	65-139	
Vinyl acetate	ug/m3	38.7	40.8	106	70-131	
Vinyl chloride	ug/m3	27.2	26.1	96	64-136	

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.

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

SAMPLE DUPLICATE: 4568777

Parameter	Units	10640902001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.27	<0.27		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.43	<0.43		25	
1,1,2-Trichloroethane	ug/m3	<0.38	<0.38		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.65J	0.67J		25	
1,1-Dichloroethane	ug/m3	<0.16	<0.16		25	
1,1-Dichloroethene	ug/m3	<0.24	<0.24		25	
1,2,4-Trichlorobenzene	ug/m3	13.0	12.9	1	25	
1,2,4-Trimethylbenzene	ug/m3	1.3J	1.3J		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.46	<0.46		25	
1,2-Dichlorobenzene	ug/m3	<1.3	<1.3		25	
1,2-Dichloroethane	ug/m3	0.21J	0.23J		25	
1,2-Dichloropropane	ug/m3	<0.30	<0.30		25	
1,3,5-Trimethylbenzene	ug/m3	0.96J	<0.41		25	
1,3-Butadiene	ug/m3	<0.17	<0.17		25	
1,3-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
1,4-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
2-Butanone (MEK)	ug/m3	7.1	7.6	6	25	
2-Hexanone	ug/m3	<1.0	<1.0		25	
2-Propanol	ug/m3	22.4	25.6	13	25	
4-Ethyltoluene	ug/m3	<0.61	<0.61		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.80	<0.80		25	
Acetone	ug/m3	34.9	37.6	7	25	
Benzene	ug/m3	0.69	0.71	2	25	
Benzyl chloride	ug/m3	<1.1	<1.1		25	
Bromodichloromethane	ug/m3	<0.48	<0.48		25	
Bromoform	ug/m3	<1.2	<1.2		25	
Bromomethane	ug/m3	<0.44	<0.44		25	
Carbon disulfide	ug/m3	<0.35	<0.35		25	
Carbon tetrachloride	ug/m3	<0.62	<0.62		25	
Chlorobenzene	ug/m3	<0.21	<0.21		25	
Chloroethane	ug/m3	<0.31	<0.31		25	
Chloroform	ug/m3	<0.20	<0.20		25	
Chloromethane	ug/m3	0.94	0.97	3	25	
cis-1,2-Dichloroethene	ug/m3	<0.32	<0.32		25	
cis-1,3-Dichloropropene	ug/m3	<0.97	<0.97		25	
Cyclohexane	ug/m3	<0.20	0.37J		25	
Dibromochloromethane	ug/m3	<0.54	<0.54		25	
Dichlorodifluoromethane	ug/m3	2.5	2.7	6	25	
Dichlorotetrafluoroethane	ug/m3	<0.36	<0.36		25	
Ethanol	ug/m3	146	153	4	25	
Ethyl acetate	ug/m3	0.53J	0.56J		25	
Ethylbenzene	ug/m3	0.94J	0.98J		25	
Hexachloro-1,3-butadiene	ug/m3	<2.6	<2.6		25	
m&p-Xylene	ug/m3	3.1	3.2	2	25	
Methyl-tert-butyl ether	ug/m3	<0.37	<0.37		25	
Methylene Chloride	ug/m3	0.58J	0.57J		25	
n-Heptane	ug/m3	<0.19	<0.19		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

SAMPLE DUPLICATE: 4568777

Parameter	Units	10640902001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	0.44J	0.65J		25	
Naphthalene	ug/m3	5.4	5.3	2	25	
o-Xylene	ug/m3	1.0J	1.1J		25	
Propylene	ug/m3	<0.53	<0.53		25	
Styrene	ug/m3	<0.62	<0.62		25	
Tetrachloroethene	ug/m3	<0.37	<0.37		25	
Tetrahydrofuran	ug/m3	5.2	5.4	4	25	
Toluene	ug/m3	2.8	3.0	7	25	
trans-1,2-Dichloroethene	ug/m3	<0.62	<0.62		25	
trans-1,3-Dichloropropene	ug/m3	<1.2	<1.2		25	
Trichloroethene	ug/m3	<0.36	<0.36		25	
Trichlorofluoromethane	ug/m3	1.5J	1.6J		25	
Vinyl acetate	ug/m3	<0.26	<0.26		25	
Vinyl chloride	ug/m3	<0.14	<0.14		25	

SAMPLE DUPLICATE: 4568778

Parameter	Units	10640902002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.26	<0.26		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.41	<0.41		25	
1,1,2-Trichloroethane	ug/m3	<0.37	<0.37		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.65J	0.63J		25	
1,1-Dichloroethane	ug/m3	<0.15	<0.15		25	
1,1-Dichloroethene	ug/m3	<0.24	<0.24		25	
1,2,4-Trichlorobenzene	ug/m3	<8.3	<8.3		25	
1,2,4-Trimethylbenzene	ug/m3	1.3J	1.3J		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.44	<0.44		25	
1,2-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
1,2-Dichloroethane	ug/m3	0.48J	0.47J		25	
1,2-Dichloropropane	ug/m3	<0.29	<0.29		25	
1,3,5-Trimethylbenzene	ug/m3	<0.39	<0.39		25	
1,3-Butadiene	ug/m3	<0.16	<0.16		25	
1,3-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
1,4-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
2-Butanone (MEK)	ug/m3	6.0	6.3	6	25	
2-Hexanone	ug/m3	<0.99	<0.99		25	
2-Propanol	ug/m3	97.9	103	5	25	
4-Ethyltoluene	ug/m3	<0.59	<0.59		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	0.95J	0.95J		25	
Acetone	ug/m3	65.6	66.3	1	25	
Benzene	ug/m3	0.78	0.79	1	25	
Benzyl chloride	ug/m3	<1.1	<1.1		25	
Bromodichloromethane	ug/m3	<0.46	<0.46		25	
Bromoform	ug/m3	<1.1	<1.1		25	
Bromomethane	ug/m3	<0.43	<0.43		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

SAMPLE DUPLICATE: 4568778

Parameter	Units	10640902002 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	<0.34	<0.34		25	
Carbon tetrachloride	ug/m3	<0.60	<0.60		25	
Chlorobenzene	ug/m3	<0.20	<0.20		25	
Chloroethane	ug/m3	<0.30	<0.30		25	
Chloroform	ug/m3	<0.19	<0.19		25	
Chloromethane	ug/m3	1.1	1.1	4	25	
cis-1,2-Dichloroethene	ug/m3	<0.31	<0.31		25	
cis-1,3-Dichloropropene	ug/m3	<0.94	<0.94		25	
Cyclohexane	ug/m3	0.65J	0.71J		25	
Dibromochloromethane	ug/m3	<0.52	<0.52		25	
Dichlorodifluoromethane	ug/m3	2.3	2.5	7	25	
Dichlorotetrafluoroethane	ug/m3	<0.35	<0.35		25	
Ethanol	ug/m3	169	174	3	25	
Ethyl acetate	ug/m3	0.63J	0.65J		25	
Ethylbenzene	ug/m3	0.84J	0.84J		25	
Hexachloro-1,3-butadiene	ug/m3	<2.5	<2.5		25	
m&p-Xylene	ug/m3	2.6	2.7	3	25	
Methyl-tert-butyl ether	ug/m3	<0.36	<0.36		25	
Methylene Chloride	ug/m3	0.63J	0.65J		25	
n-Heptane	ug/m3	<0.19	<0.19		25	
n-Hexane	ug/m3	1.0J	1.1		25	
Naphthalene	ug/m3	5.0	4.9	1	25	
o-Xylene	ug/m3	1.0J	1.1J		25	
Propylene	ug/m3	<0.51	<0.51		25	
Styrene	ug/m3	<0.60	<0.60		25	
Tetrachloroethene	ug/m3	<0.36	<0.36		25	
Tetrahydrofuran	ug/m3	2.7	2.8	2	25	
Toluene	ug/m3	6.3	6.5	3	25	
trans-1,2-Dichloroethene	ug/m3	<0.60	<0.60		25	
trans-1,3-Dichloropropene	ug/m3	<1.1	<1.1		25	
Trichloroethene	ug/m3	<0.34	<0.34		25	
Trichlorofluoromethane	ug/m3	1.5J	1.5J		25	
Vinyl acetate	ug/m3	<0.25	<0.25		25	
Vinyl chloride	ug/m3	<0.14	<0.14		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

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

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10640902001	**IA-B-209 South**	TO-15	865371		
10640902002	**IA-G-209 South**	TO-15	865371		
10640902003	**OA-01**	TO-15	865371		
10640902004	**IA-B-202 South**	TO-15	865371		
10640902005	**IA-G-202 South**	TO-15	865371		
10640902006	**SG-209 South**	TO-15	865371		
10640902007	**SG-202 South**	TO-15	865371		

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

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.

58319

Page: 1 of 1

Section A Required Client Information:

Company: Tetra Tech
Address: 13555 Bishops Ct., Ste. 201 Brookfield, WI 53005
Email To: mark.manthey@tetratech.com
Phone: (262) 782-1282 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Mark Manthey
Copy To:
Purchase Order No.:
Project Name: City of West Bend
Project Number: 117-1321012.300

Section C Invoice Information:

Attention: same
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 33689

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

Location of Sampling by State: WI

Reporting Units: ug/m³___ mg/m³___ PPBV___ PPMV___ Other___

Report Level II.___ III.___ IV.___ Other____

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

ITEM #	'Section D Required Client Information AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED 2023 Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	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-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	IA-B-209 South	6LC		1-23	9:05	1-24	9:05	30	5	1594	0079					X					001
2	IA-G-209 South	↓		↓	9:10	↓	9:10	27	1	0433	1415					↓					002
3	OA-01	↓		↓	9:15	↓	9:15	30	4	2339	0328					↓					003
4	IA-B-202 South	↓		↓	10:00	↓	10:00	28	3	1632	1443					↓					004
5	IA-G-202 South	↓		↓	10:05	↓	10:05	25	4	0631	0021					↓					005
6	SG-209 South	↓		1-24	9:00	1-24	9:30	30	9	0295	1765					↓					006
7	SG-202 South	↓		1-24	10:00	1-24	10:30	30	9	3680	3003					↓					007
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Connor Lawson / Tetra Tech	1-24	12:00	Matt [illegible] / Pace	1-25-23	10:20

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
—	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Lawson

SIGNATURE of SAMPLER: Connor Lawson DATE Signed (MM / DD / YY) 01/24/23

WO#: 10640902

10640902

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-MIN4-0113 v01_Sample Condition Upon Receipt (SCUR) - Air
	Effective Date: 02/25/2022

Air Sample Condition Upon Receipt

Client Name: Tetra Tech

Project #: WO#: 10640902

PM: MR2 Due Date: 02/01/23

CLIENT: TetraTech-WI

Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 6101 8740 8520, 6101 8749 3320 ☐ See Exception

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other:

Date & Initials of Person Examining Contents: 1-25-23 MI

				Comments:
Chain of Custody Present?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☐ Yes	☒ No		7.
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-15 or APH)** -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No		9. 209 South FC is 1764, not 1765.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No		10.
Media: Air Can / Airbag				11. Individually Certified Cans? Y / N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes	☐ No		12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☒ Yes	☐ No		13.

Gauge #: ☐ 10AIR26 ☐ 10AIR34 ☐ 10AIR35 ☐ 10AIR17 ☐ 10AIR47 ☒ 10AIR48

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
1	1594	79	-3	+5					
2	433	1415	-2						
3	2339	328	-1.5						
4	1632	1443	-2.5						
5	631	1021	-3.5						
6	295	1764	-7.5						
7	3680	3003	-7						

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Matt Ray **Date:** 1/25/23

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).*

Qualtrax ID: 52723

February 10, 2023

Mr. Craig Cornell
209 South Street
West Bend, WI 53095

SUBJECT: January 24, 2023 Vapor Intrusion Assessment Results

Dear Mr. Cornell,

Thank you for your participation in the vapor intrusion assessment of your house as part of the City of West Bend's remedial action of groundwater contamination of chlorinated volatile organic compounds (VOCs) on and in the vicinity of the former Gehl Co. West Plant property located on the west side of S. Forest Avenue (WDNR BRRTS #: 02-67-554753). The attached laboratory report from Pace Analytical Services, LLC contains the test results for the, the two indoor air samples collected from your house, the background outdoor air sample collected in the back yard your property, and the sub-slab soil gas sample collected from the sub-slab soil gas probe installed through the basement floor of your home on January 24, 2023. The indoor air sample collected from the basement has the Sample ID of IA-B-209 South, the indoor air sample collected from the ground floor of your house has the Sample ID of IA-G-209 South, and the sub-slab soil gas sample ID is SG-209 South. The background outdoor air sample has the Sample ID of OA-1. The indoor air, background outdoor air, and sub-slab soil gas test results are provided in units of micrograms per cubic meter (ug/m^3). The name of the parameters that were tested are listed in the 'Parameters' column of the reports and the test results are listed in the 'Results' column of the reports. The LOQ column of the reports list the limit of quantitation concentration for each parameter, which is the minimum concentration that can be quantified with certainty by the laboratory. The LOD column of the reports list the limit of detection for each parameter, which is the minimum concentration of a parameter that must be present before the laboratory can detect it. The less than (<) symbol in front of a result indicates the parameter was not detected in the sample above the listed LOD.

Test Results

Several VOCs were detected in the sub-slab soil gas sample (SG-209 South Sample ID) at concentrations ranging from 0.31 ug/m^3 to 39.3 ug/m^3. None of the reported VOC detections in the sub-slab soil gas sample exceed the vapor risk screening levels (VRSLs) established by the WDNR for residential buildings and therefore do not pose a vapor intrusion risk. This is the third soil gas sample collected from the sub-slab soil gas probe. The two other soil gas samples were collected on April 14, 2021 and October 20, 2022. No VRSLs were exceeded in the two other soil gas samples collected from the sub-slab soil gas probe.

Several VOCs were detected in the background outdoor air (OA-01) and two indoor air (IA-B-209 South and IA-G-209 South) samples. Review of the outdoor air and indoor air test results shows some of the compounds (1,1,2-Trichlorotrifluoroehtane, Benzene, Chloromethane, Dichlorodifluoromethane, Naphthalene, and Trichlorofluoromethane) were detected at similar concentrations, which indicates those VOCs are most likely from an outside source. The VOCs detected in the indoor air samples at higher concentrations than the outdoor air sample suggest indoor sources are the primary sources for those VOCs. Indoor sources of VOCs may include cleaning products, personal care products, aerosol spray products, deodorizers, air fresheners, scented candles, and paint.

1,2,4-Trichlorobenzene was detected at a reported concentration of 13.0 ug/m^3 in the indoor air sample collected from the basement of the house, which is higher than the WDNR residential building vapor action

TETRA TECH
175 N. Corporate Drive, Suite 100, Brookfield, WI 53045
Tel 262.792.1282 Fax 262.792.1310 www.tetratech.com

level (VAL) of 2.1 ug/m^3 indicating it may pose a health risk. The soil gas sample and background outdoor air sample test results indicate the sub-slab soil gas and outdoor air are not the source of the detection in the ground floor indoor air sample. Products that may contain 1,2,4-Trichlorobenzene include herbicides, degreasers, lubricants. It can also be found in synthetic transformer oils.

Naphthalene was detected at reported concentrations of 5.4 ug/m^3 in the indoor air sample collected from the basement and 5.0 ug/m^3 in the indoor air sample collected from ground floor of the house, which are higher than the WDNR residential VAL of 0.83 ug/m^3. The reported concentration of naphthalene in the background outdoor air sample (OA-01 sample ID) was 4.7 ug/m3, which is very similar to the naphthalene concentrations reported for the two indoor air samples. Because the naphthalene concentrations in the two indoor air samples are at similar concentrations to the naphthalene concentration in the background outdoor air sample, it is very likely the naphthalene detections in the indoor air samples are from an outdoor source, such as automobile exhaust.

Conclusions

The test results indicate the low-level VOCs detected in the sub-slab soil gas samples collected from the sub-slab soil gas probe installed through the basement floor of your house do not pose a vapor intrusion risk and soil gas is not the source of the 1,2.4-Trichlorobenzene detected in the basement indoor air sample. The VOCs detected in the indoor air samples collected from the basement and main level of the home are therefore likely due to outdoor sources or products and items used or stored in the home.

The test results were also submitted to the WDNR for review. Typically the WDNR recommends collecting three rounds of indoor air and soil gas samples for vapor intrusion assessments so no additional testing is anticipated. If the WDNR does not recommend additional testing the house, we will contact you to schedule a day and time to remove the sub-slab soil gas probe.

****

If you have any questions or concerns about the test results, please call Mr. Jay Shambeau, City of West Bend Administrator, at 262-335-5171, John Feeney of the WDNR, at 262-416-8643, or Brita Kilburg-Basnyat, Ph. D., of the Wisconsin Department of Health Services, at 608-266-2817.

Sincerely,
Tetra Tech

Mark A. Manthey, P.G.
Associate Hydrogeologist

Enclosures: Pace Analytical, LLC Laboratory Report
cc: Jay Shambeau, City of West Bend
John Feeney, Wisconsin DNR

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

February 01, 2023

Mr. Mark Manthey
Tetra Tech
13555 Bishops Ct.
Suite 201
Brookfield, WI 53005

RE: Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Dear Mr. Manthey:

Enclosed are the analytical results for sample(s) received by the laboratory on January 25, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Minneapolis

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

Sincerely,

Matt Ray
matt.ray@pacelabs.com
(612)607-1700
Project Manager

Enclosures

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10640902001	**IA-B-209 South**	Air	01/24/23 09:05	01/25/23 10:20
10640902002	**IA-G-209 South**	Air	01/24/23 09:10	01/25/23 10:20
10640902003	**OA-01**	Air	01/24/23 09:15	01/25/23 10:20
10640902006	**SG-209 South**	Air	01/24/23 09:30	01/25/23 10:20

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10640902001	**IA-B-209 South**	TO-15	SW	61	PASI-M
10640902002	**IA-G-209 South**	TO-15	SW	61	PASI-M
10640902003	**OA-01**	TO-15	SW	61	PASI-M
10640902006	**SG-209 South**	TO-15	SW	61	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: IA-B-209 South **Lab ID: 10640902001** Collected: 01/24/23 09:05 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**34.9**	ug/m3	9.0	3.3	1.49		01/31/23 14:49	67-64-1	
Benzene	**0.69**	ug/m3	0.48	0.16	1.49		01/31/23 14:49	71-43-2	
Benzyl chloride	**<1.1**	ug/m3	3.9	1.1	1.49		01/31/23 14:49	100-44-7	
Bromodichloromethane	**<0.48**	ug/m3	2.0	0.48	1.49		01/31/23 14:49	75-27-4	
Bromoform	**<1.2**	ug/m3	7.8	1.2	1.49		01/31/23 14:49	75-25-2	
Bromomethane	**<0.44**	ug/m3	1.2	0.44	1.49		01/31/23 14:49	74-83-9	
1,3-Butadiene	**<0.17**	ug/m3	0.67	0.17	1.49		01/31/23 14:49	106-99-0	
2-Butanone (MEK)	**7.1**	ug/m3	4.5	0.56	1.49		01/31/23 14:49	78-93-3	
Carbon disulfide	**<0.35**	ug/m3	0.94	0.35	1.49		01/31/23 14:49	75-15-0	
Carbon tetrachloride	**<0.62**	ug/m3	1.9	0.62	1.49		01/31/23 14:49	56-23-5	
Chlorobenzene	**<0.21**	ug/m3	1.4	0.21	1.49		01/31/23 14:49	108-90-7	
Chloroethane	**<0.31**	ug/m3	0.80	0.31	1.49		01/31/23 14:49	75-00-3	
Chloroform	**<0.20**	ug/m3	0.74	0.20	1.49		01/31/23 14:49	67-66-3	
Chloromethane	**0.94**	ug/m3	0.63	0.13	1.49		01/31/23 14:49	74-87-3	
Cyclohexane	**<0.20**	ug/m3	2.6	0.20	1.49		01/31/23 14:49	110-82-7	
Dibromochloromethane	**<0.54**	ug/m3	2.6	0.54	1.49		01/31/23 14:49	124-48-1	
1,2-Dibromoethane (EDB)	**<0.46**	ug/m3	1.2	0.46	1.49		01/31/23 14:49	106-93-4	
1,2-Dichlorobenzene	**<1.3**	ug/m3	4.6	1.3	1.49		01/31/23 14:49	95-50-1	
1,3-Dichlorobenzene	**<1.2**	ug/m3	4.6	1.2	1.49		01/31/23 14:49	541-73-1	
1,4-Dichlorobenzene	**<1.2**	ug/m3	4.6	1.2	1.49		01/31/23 14:49	106-46-7	
Dichlorodifluoromethane	**2.5**	ug/m3	1.5	0.76	1.49		01/31/23 14:49	75-71-8	
1,1-Dichloroethane	**<0.16**	ug/m3	1.2	0.16	1.49		01/31/23 14:49	75-34-3	
1,2-Dichloroethane	**0.21J**	ug/m3	1.2	0.19	1.49		01/31/23 14:49	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/m3	1.2	0.24	1.49		01/31/23 14:49	75-35-4	
cis-1,2-Dichloroethene	**<0.32**	ug/m3	1.2	0.32	1.49		01/31/23 14:49	156-59-2	
trans-1,2-Dichloroethene	**<0.62**	ug/m3	1.2	0.62	1.49		01/31/23 14:49	156-60-5	
1,2-Dichloropropane	**<0.30**	ug/m3	1.4	0.30	1.49		01/31/23 14:49	78-87-5	
cis-1,3-Dichloropropene	**<0.97**	ug/m3	3.4	0.97	1.49		01/31/23 14:49	10061-01-5	
trans-1,3-Dichloropropene	**<1.2**	ug/m3	3.4	1.2	1.49		01/31/23 14:49	10061-02-6	
Dichlorotetrafluoroethane	**<0.36**	ug/m3	2.1	0.36	1.49		01/31/23 14:49	76-14-2	
Ethanol	**146**	ug/m3	2.9	1.3	1.49		01/31/23 14:49	64-17-5	
Ethyl acetate	**0.53J**	ug/m3	1.1	0.24	1.49		01/31/23 14:49	141-78-6	
Ethylbenzene	**0.94J**	ug/m3	1.3	0.27	1.49		01/31/23 14:49	100-41-4	
4-Ethyltoluene	**<0.61**	ug/m3	3.7	0.61	1.49		01/31/23 14:49	622-96-8	
n-Heptane	**<0.19**	ug/m3	1.2	0.19	1.49		01/31/23 14:49	142-82-5	
Hexachloro-1,3-butadiene	**<2.6**	ug/m3	8.1	2.6	1.49		01/31/23 14:49	87-68-3	
n-Hexane	**0.44J**	ug/m3	1.1	0.35	1.49		01/31/23 14:49	110-54-3	
2-Hexanone	**<1.0**	ug/m3	6.2	1.0	1.49		01/31/23 14:49	591-78-6	
Methylene Chloride	**0.58J**	ug/m3	5.3	0.19	1.49		01/31/23 14:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.80**	ug/m3	6.2	0.80	1.49		01/31/23 14:49	108-10-1	
Methyl-tert-butyl ether	**<0.37**	ug/m3	5.5	0.37	1.49		01/31/23 14:49	1634-04-4	
Naphthalene	**5.4**	ug/m3	4.0	3.1	1.49		01/31/23 14:49	91-20-3	
2-Propanol	**22.4**	ug/m3	3.7	1.4	1.49		01/31/23 14:49	67-63-0	
Propylene	**<0.53**	ug/m3	1.3	0.53	1.49		01/31/23 14:49	115-07-1	
Styrene	**<0.62**	ug/m3	1.3	0.62	1.49		01/31/23 14:49	100-42-5	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: IA-B-209 South **Lab ID: 10640902001** Collected: 01/24/23 09:05 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,1,2,2-Tetrachloroethane	**<0.43**	ug/m3	2.1	0.43	1.49		01/31/23 14:49	79-34-5	
Tetrachloroethene	**<0.37**	ug/m3	1.0	0.37	1.49		01/31/23 14:49	127-18-4	
Tetrahydrofuran	**5.2**	ug/m3	0.89	0.28	1.49		01/31/23 14:49	109-99-9	
Toluene	**2.8**	ug/m3	1.1	0.24	1.49		01/31/23 14:49	108-88-3	
1,2,4-Trichlorobenzene	**13.0**	ug/m3	11.2	8.5	1.49		01/31/23 14:49	120-82-1	
1,1,1-Trichloroethane	**<0.27**	ug/m3	1.7	0.27	1.49		01/31/23 14:49	71-55-6	
1,1,2-Trichloroethane	**<0.38**	ug/m3	0.83	0.38	1.49		01/31/23 14:49	79-00-5	
Trichloroethene	**<0.36**	ug/m3	0.81	0.36	1.49		01/31/23 14:49	79-01-6	
Trichlorofluoromethane	**1.5J**	ug/m3	1.7	0.30	1.49		01/31/23 14:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	**0.65J**	ug/m3	2.3	0.34	1.49		01/31/23 14:49	76-13-1	
1,2,4-Trimethylbenzene	**1.3J**	ug/m3	1.5	0.52	1.49		01/31/23 14:49	95-63-6	
1,3,5-Trimethylbenzene	**0.96J**	ug/m3	1.5	0.41	1.49		01/31/23 14:49	108-67-8	
Vinyl acetate	**<0.26**	ug/m3	1.1	0.26	1.49		01/31/23 14:49	108-05-4	
Vinyl chloride	**<0.14**	ug/m3	0.39	0.14	1.49		01/31/23 14:49	75-01-4	
m&p-Xylene	**3.1**	ug/m3	2.6	0.73	1.49		01/31/23 14:49	179601-23-1	
o-Xylene	**1.0J**	ug/m3	1.3	0.27	1.49		01/31/23 14:49	95-47-6	

Sample: IA-G-209 South **Lab ID: 10640902002** Collected: 01/24/23 09:10 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**65.6**	ug/m3	8.7	3.2	1.44		01/31/23 15:57	67-64-1	
Benzene	**0.78**	ug/m3	0.47	0.16	1.44		01/31/23 15:57	71-43-2	
Benzyl chloride	**<1.1**	ug/m3	3.8	1.1	1.44		01/31/23 15:57	100-44-7	
Bromodichloromethane	**<0.46**	ug/m3	2.0	0.46	1.44		01/31/23 15:57	75-27-4	
Bromoform	**<1.1**	ug/m3	7.6	1.1	1.44		01/31/23 15:57	75-25-2	
Bromomethane	**<0.43**	ug/m3	1.1	0.43	1.44		01/31/23 15:57	74-83-9	
1,3-Butadiene	**<0.16**	ug/m3	0.65	0.16	1.44		01/31/23 15:57	106-99-0	
2-Butanone (MEK)	**6.0**	ug/m3	4.3	0.54	1.44		01/31/23 15:57	78-93-3	
Carbon disulfide	**<0.34**	ug/m3	0.91	0.34	1.44		01/31/23 15:57	75-15-0	
Carbon tetrachloride	**<0.60**	ug/m3	1.8	0.60	1.44		01/31/23 15:57	56-23-5	
Chlorobenzene	**<0.20**	ug/m3	1.3	0.20	1.44		01/31/23 15:57	108-90-7	
Chloroethane	**<0.30**	ug/m3	0.77	0.30	1.44		01/31/23 15:57	75-00-3	
Chloroform	**<0.19**	ug/m3	0.71	0.19	1.44		01/31/23 15:57	67-66-3	
Chloromethane	**1.1**	ug/m3	0.60	0.13	1.44		01/31/23 15:57	74-87-3	
Cyclohexane	**0.65J**	ug/m3	2.5	0.19	1.44		01/31/23 15:57	110-82-7	
Dibromochloromethane	**<0.52**	ug/m3	2.5	0.52	1.44		01/31/23 15:57	124-48-1	
1,2-Dibromoethane (EDB)	**<0.44**	ug/m3	1.1	0.44	1.44		01/31/23 15:57	106-93-4	
1,2-Dichlorobenzene	**<1.2**	ug/m3	4.4	1.2	1.44		01/31/23 15:57	95-50-1	
1,3-Dichlorobenzene	**<1.2**	ug/m3	4.4	1.2	1.44		01/31/23 15:57	541-73-1	
1,4-Dichlorobenzene	**<1.2**	ug/m3	4.4	1.2	1.44		01/31/23 15:57	106-46-7	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: IA-G-209 South **Lab ID: 10640902002** Collected: 01/24/23 09:10 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dichlorodifluoromethane	**2.3**	ug/m3	1.5	0.74	1.44		01/31/23 15:57	75-71-8	
1,1-Dichloroethane	**<0.15**	ug/m3	1.2	0.15	1.44		01/31/23 15:57	75-34-3	
1,2-Dichloroethane	**0.48J**	ug/m3	1.2	0.18	1.44		01/31/23 15:57	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/m3	1.2	0.24	1.44		01/31/23 15:57	75-35-4	
cis-1,2-Dichloroethene	**<0.31**	ug/m3	1.2	0.31	1.44		01/31/23 15:57	156-59-2	
trans-1,2-Dichloroethene	**<0.60**	ug/m3	1.2	0.60	1.44		01/31/23 15:57	156-60-5	
1,2-Dichloropropane	**<0.29**	ug/m3	1.4	0.29	1.44		01/31/23 15:57	78-87-5	
cis-1,3-Dichloropropene	**<0.94**	ug/m3	3.3	0.94	1.44		01/31/23 15:57	10061-01-5	
trans-1,3-Dichloropropene	**<1.1**	ug/m3	3.3	1.1	1.44		01/31/23 15:57	10061-02-6	
Dichlorotetrafluoroethane	**<0.35**	ug/m3	2.0	0.35	1.44		01/31/23 15:57	76-14-2	
Ethanol	**169**	ug/m3	2.8	1.3	1.44		01/31/23 15:57	64-17-5	
Ethyl acetate	**0.63J**	ug/m3	1.1	0.23	1.44		01/31/23 15:57	141-78-6	
Ethylbenzene	**0.84J**	ug/m3	1.3	0.26	1.44		01/31/23 15:57	100-41-4	
4-Ethyltoluene	**<0.59**	ug/m3	3.6	0.59	1.44		01/31/23 15:57	622-96-8	
n-Heptane	**<0.19**	ug/m3	1.2	0.19	1.44		01/31/23 15:57	142-82-5	
Hexachloro-1,3-butadiene	**<2.5**	ug/m3	7.8	2.5	1.44		01/31/23 15:57	87-68-3	
n-Hexane	**1.0J**	ug/m3	1.0	0.33	1.44		01/31/23 15:57	110-54-3	
2-Hexanone	**<0.99**	ug/m3	6.0	0.99	1.44		01/31/23 15:57	591-78-6	
Methylene Chloride	**0.63J**	ug/m3	5.1	0.18	1.44		01/31/23 15:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.95J**	ug/m3	6.0	0.77	1.44		01/31/23 15:57	108-10-1	
Methyl-tert-butyl ether	**<0.36**	ug/m3	5.3	0.36	1.44		01/31/23 15:57	1634-04-4	
Naphthalene	**5.0**	ug/m3	3.8	3.0	1.44		01/31/23 15:57	91-20-3	
2-Propanol	**97.9**	ug/m3	3.6	1.4	1.44		01/31/23 15:57	67-63-0	
Propylene	**<0.51**	ug/m3	1.3	0.51	1.44		01/31/23 15:57	115-07-1	
Styrene	**<0.60**	ug/m3	1.2	0.60	1.44		01/31/23 15:57	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.41**	ug/m3	2.0	0.41	1.44		01/31/23 15:57	79-34-5	
Tetrachloroethene	**<0.36**	ug/m3	0.99	0.36	1.44		01/31/23 15:57	127-18-4	
Tetrahydrofuran	**2.7**	ug/m3	0.86	0.27	1.44		01/31/23 15:57	109-99-9	
Toluene	**6.3**	ug/m3	1.1	0.23	1.44		01/31/23 15:57	108-88-3	
1,2,4-Trichlorobenzene	**<8.3**	ug/m3	10.9	8.3	1.44		01/31/23 15:57	120-82-1	
1,1,1-Trichloroethane	**<0.26**	ug/m3	1.6	0.26	1.44		01/31/23 15:57	71-55-6	
1,1,2-Trichloroethane	**<0.37**	ug/m3	0.80	0.37	1.44		01/31/23 15:57	79-00-5	
Trichloroethene	**<0.34**	ug/m3	0.79	0.34	1.44		01/31/23 15:57	79-01-6	
Trichlorofluoromethane	**1.5J**	ug/m3	1.6	0.29	1.44		01/31/23 15:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	**0.65J**	ug/m3	2.2	0.33	1.44		01/31/23 15:57	76-13-1	
1,2,4-Trimethylbenzene	**1.3J**	ug/m3	1.4	0.50	1.44		01/31/23 15:57	95-63-6	
1,3,5-Trimethylbenzene	**<0.39**	ug/m3	1.4	0.39	1.44		01/31/23 15:57	108-67-8	
Vinyl acetate	**<0.25**	ug/m3	1.0	0.25	1.44		01/31/23 15:57	108-05-4	
Vinyl chloride	**<0.14**	ug/m3	0.37	0.14	1.44		01/31/23 15:57	75-01-4	
m&p-Xylene	**2.6**	ug/m3	2.5	0.71	1.44		01/31/23 15:57	179601-23-1	
o-Xylene	**1.0J**	ug/m3	1.3	0.26	1.44		01/31/23 15:57	95-47-6	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: OA-01 **Lab ID: 10640902003** Collected: 01/24/23 09:15 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**6.2J**	ug/m3	8.5	3.1	1.41		01/31/23 17:04	67-64-1	
Benzene	**0.46J**	ug/m3	0.46	0.16	1.41		01/31/23 17:04	71-43-2	
Benzyl chloride	**<1.1**	ug/m3	3.7	1.1	1.41		01/31/23 17:04	100-44-7	
Bromodichloromethane	**<0.45**	ug/m3	1.9	0.45	1.41		01/31/23 17:04	75-27-4	
Bromoform	**<1.1**	ug/m3	7.4	1.1	1.41		01/31/23 17:04	75-25-2	
Bromomethane	**<0.42**	ug/m3	1.1	0.42	1.41		01/31/23 17:04	74-83-9	
1,3-Butadiene	**<0.16**	ug/m3	0.63	0.16	1.41		01/31/23 17:04	106-99-0	
2-Butanone (MEK)	**1.1J**	ug/m3	4.2	0.53	1.41		01/31/23 17:04	78-93-3	
Carbon disulfide	**<0.33**	ug/m3	0.89	0.33	1.41		01/31/23 17:04	75-15-0	
Carbon tetrachloride	**<0.59**	ug/m3	1.8	0.59	1.41		01/31/23 17:04	56-23-5	
Chlorobenzene	**<0.20**	ug/m3	1.3	0.20	1.41		01/31/23 17:04	108-90-7	
Chloroethane	**<0.29**	ug/m3	0.76	0.29	1.41		01/31/23 17:04	75-00-3	
Chloroform	**<0.19**	ug/m3	0.70	0.19	1.41		01/31/23 17:04	67-66-3	
Chloromethane	**0.85**	ug/m3	0.59	0.12	1.41		01/31/23 17:04	74-87-3	
Cyclohexane	**<0.19**	ug/m3	2.5	0.19	1.41		01/31/23 17:04	110-82-7	
Dibromochloromethane	**<0.51**	ug/m3	2.4	0.51	1.41		01/31/23 17:04	124-48-1	
1,2-Dibromoethane (EDB)	**<0.44**	ug/m3	1.1	0.44	1.41		01/31/23 17:04	106-93-4	
1,2-Dichlorobenzene	**<1.2**	ug/m3	4.3	1.2	1.41		01/31/23 17:04	95-50-1	
1,3-Dichlorobenzene	**<1.2**	ug/m3	4.3	1.2	1.41		01/31/23 17:04	541-73-1	
1,4-Dichlorobenzene	**<1.1**	ug/m3	4.3	1.1	1.41		01/31/23 17:04	106-46-7	
Dichlorodifluoromethane	**2.3**	ug/m3	1.4	0.72	1.41		01/31/23 17:04	75-71-8	
1,1-Dichloroethane	**<0.15**	ug/m3	1.2	0.15	1.41		01/31/23 17:04	75-34-3	
1,2-Dichloroethane	**<0.18**	ug/m3	1.2	0.18	1.41		01/31/23 17:04	107-06-2	
1,1-Dichloroethene	**<0.23**	ug/m3	1.1	0.23	1.41		01/31/23 17:04	75-35-4	
cis-1,2-Dichloroethene	**<0.30**	ug/m3	1.1	0.30	1.41		01/31/23 17:04	156-59-2	
trans-1,2-Dichloroethene	**<0.59**	ug/m3	1.1	0.59	1.41		01/31/23 17:04	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/m3	1.3	0.28	1.41		01/31/23 17:04	78-87-5	
cis-1,3-Dichloropropene	**<0.92**	ug/m3	3.3	0.92	1.41		01/31/23 17:04	10061-01-5	
trans-1,3-Dichloropropene	**<1.1**	ug/m3	3.3	1.1	1.41		01/31/23 17:04	10061-02-6	
Dichlorotetrafluoroethane	**<0.34**	ug/m3	2.0	0.34	1.41		01/31/23 17:04	76-14-2	
Ethanol	**5.4**	ug/m3	2.7	1.3	1.41		01/31/23 17:04	64-17-5	
Ethyl acetate	**<0.23**	ug/m3	1.0	0.23	1.41		01/31/23 17:04	141-78-6	
Ethylbenzene	**<0.25**	ug/m3	1.2	0.25	1.41		01/31/23 17:04	100-41-4	
4-Ethyltoluene	**<0.57**	ug/m3	3.5	0.57	1.41		01/31/23 17:04	622-96-8	
n-Heptane	**<0.18**	ug/m3	1.2	0.18	1.41		01/31/23 17:04	142-82-5	
Hexachloro-1,3-butadiene	**<2.5**	ug/m3	7.6	2.5	1.41		01/31/23 17:04	87-68-3	
n-Hexane	**<0.33**	ug/m3	1.0	0.33	1.41		01/31/23 17:04	110-54-3	
2-Hexanone	**<0.97**	ug/m3	5.9	0.97	1.41		01/31/23 17:04	591-78-6	
Methylene Chloride	**0.31J**	ug/m3	5.0	0.18	1.41		01/31/23 17:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.76**	ug/m3	5.9	0.76	1.41		01/31/23 17:04	108-10-1	
Methyl-tert-butyl ether	**<0.35**	ug/m3	5.2	0.35	1.41		01/31/23 17:04	1634-04-4	
Naphthalene	**4.7**	ug/m3	3.8	2.9	1.41		01/31/23 17:04	91-20-3	
2-Propanol	**<1.4**	ug/m3	3.5	1.4	1.41		01/31/23 17:04	67-63-0	
Propylene	**<0.50**	ug/m3	1.2	0.50	1.41		01/31/23 17:04	115-07-1	
Styrene	**<0.59**	ug/m3	1.2	0.59	1.41		01/31/23 17:04	100-42-5	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: OA-01 **Lab ID: 10640902003** Collected: 01/24/23 09:15 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
1,1,2,2-Tetrachloroethane	**<0.40**	ug/m3	2.0	0.40	1.41		01/31/23 17:04	79-34-5	
Tetrachloroethene	**<0.35**	ug/m3	0.97	0.35	1.41		01/31/23 17:04	127-18-4	
Tetrahydrofuran	**<0.26**	ug/m3	0.85	0.26	1.41		01/31/23 17:04	109-99-9	
Toluene	**0.26J**	ug/m3	1.1	0.23	1.41		01/31/23 17:04	108-88-3	
1,2,4-Trichlorobenzene	**<8.1**	ug/m3	10.6	8.1	1.41		01/31/23 17:04	120-82-1	
1,1,1-Trichloroethane	**<0.26**	ug/m3	1.6	0.26	1.41		01/31/23 17:04	71-55-6	
1,1,2-Trichloroethane	**<0.36**	ug/m3	0.78	0.36	1.41		01/31/23 17:04	79-00-5	
Trichloroethene	**<0.34**	ug/m3	0.77	0.34	1.41		01/31/23 17:04	79-01-6	
Trichlorofluoromethane	**1.3J**	ug/m3	1.6	0.28	1.41		01/31/23 17:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	**0.64J**	ug/m3	2.2	0.32	1.41		01/31/23 17:04	76-13-1	
1,2,4-Trimethylbenzene	**<0.49**	ug/m3	1.4	0.49	1.41		01/31/23 17:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.39**	ug/m3	1.4	0.39	1.41		01/31/23 17:04	108-67-8	
Vinyl acetate	**<0.25**	ug/m3	1.0	0.25	1.41		01/31/23 17:04	108-05-4	
Vinyl chloride	**<0.14**	ug/m3	0.37	0.14	1.41		01/31/23 17:04	75-01-4	
m&p-Xylene	**<0.69**	ug/m3	2.5	0.69	1.41		01/31/23 17:04	179601-23-1	
o-Xylene	**<0.25**	ug/m3	1.2	0.25	1.41		01/31/23 17:04	95-47-6	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: SG-209 South **Lab ID: 10640902006** Collected: 01/24/23 09:30 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Acetone	**10.8**	ug/m3	10.8	4.0	1.79		01/31/23 18:46	67-64-1	
Benzene	**0.31J**	ug/m3	0.58	0.20	1.79		01/31/23 18:46	71-43-2	
Benzyl chloride	**<1.4**	ug/m3	4.7	1.4	1.79		01/31/23 18:46	100-44-7	
Bromodichloromethane	**<0.57**	ug/m3	2.4	0.57	1.79		01/31/23 18:46	75-27-4	
Bromoform	**<1.4**	ug/m3	9.4	1.4	1.79		01/31/23 18:46	75-25-2	
Bromomethane	**<0.53**	ug/m3	1.4	0.53	1.79		01/31/23 18:46	74-83-9	
1,3-Butadiene	**<0.20**	ug/m3	0.81	0.20	1.79		01/31/23 18:46	106-99-0	
2-Butanone (MEK)	**1.2J**	ug/m3	5.4	0.67	1.79		01/31/23 18:46	78-93-3	
Carbon disulfide	**<0.42**	ug/m3	1.1	0.42	1.79		01/31/23 18:46	75-15-0	
Carbon tetrachloride	**<0.75**	ug/m3	2.3	0.75	1.79		01/31/23 18:46	56-23-5	
Chlorobenzene	**<0.25**	ug/m3	1.7	0.25	1.79		01/31/23 18:46	108-90-7	
Chloroethane	**<0.37**	ug/m3	0.96	0.37	1.79		01/31/23 18:46	75-00-3	
Chloroform	**<0.24**	ug/m3	0.89	0.24	1.79		01/31/23 18:46	67-66-3	
Chloromethane	**<0.16**	ug/m3	0.75	0.16	1.79		01/31/23 18:46	74-87-3	
Cyclohexane	**<0.24**	ug/m3	3.1	0.24	1.79		01/31/23 18:46	110-82-7	
Dibromochloromethane	**<0.64**	ug/m3	3.1	0.64	1.79		01/31/23 18:46	124-48-1	
1,2-Dibromoethane (EDB)	**<0.55**	ug/m3	1.4	0.55	1.79		01/31/23 18:46	106-93-4	
1,2-Dichlorobenzene	**<1.5**	ug/m3	5.5	1.5	1.79		01/31/23 18:46	95-50-1	
1,3-Dichlorobenzene	**<1.5**	ug/m3	5.5	1.5	1.79		01/31/23 18:46	541-73-1	
1,4-Dichlorobenzene	**2.9J**	ug/m3	5.5	1.5	1.79		01/31/23 18:46	106-46-7	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Sample: SG-209 South **Lab ID: 10640902006** Collected: 01/24/23 09:30 Received: 01/25/23 10:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
	Pace Analytical Services - Minneapolis								
Dichlorodifluoromethane	**<0.92**	ug/m3	1.8	0.92	1.79		01/31/23 18:46	75-71-8	
1,1-Dichloroethane	**<0.19**	ug/m3	1.5	0.19	1.79		01/31/23 18:46	75-34-3	
1,2-Dichloroethane	**<0.23**	ug/m3	1.5	0.23	1.79		01/31/23 18:46	107-06-2	
1,1-Dichloroethene	**<0.29**	ug/m3	1.4	0.29	1.79		01/31/23 18:46	75-35-4	
cis-1,2-Dichloroethene	**<0.38**	ug/m3	1.4	0.38	1.79		01/31/23 18:46	156-59-2	
trans-1,2-Dichloroethene	**<0.74**	ug/m3	1.4	0.74	1.79		01/31/23 18:46	156-60-5	
1,2-Dichloropropane	**<0.36**	ug/m3	1.7	0.36	1.79		01/31/23 18:46	78-87-5	
cis-1,3-Dichloropropene	**<1.2**	ug/m3	4.1	1.2	1.79		01/31/23 18:46	10061-01-5	
trans-1,3-Dichloropropene	**<1.4**	ug/m3	4.1	1.4	1.79		01/31/23 18:46	10061-02-6	
Dichlorotetrafluoroethane	**<0.43**	ug/m3	2.5	0.43	1.79		01/31/23 18:46	76-14-2	
Ethanol	**18.5**	ug/m3	3.4	1.6	1.79		01/31/23 18:46	64-17-5	
Ethyl acetate	**<0.29**	ug/m3	1.3	0.29	1.79		01/31/23 18:46	141-78-6	
Ethylbenzene	**0.93J**	ug/m3	1.6	0.32	1.79		01/31/23 18:46	100-41-4	
4-Ethyltoluene	**<0.73**	ug/m3	4.5	0.73	1.79		01/31/23 18:46	622-96-8	
n-Heptane	**<0.23**	ug/m3	1.5	0.23	1.79		01/31/23 18:46	142-82-5	
Hexachloro-1,3-butadiene	**<3.2**	ug/m3	9.7	3.2	1.79		01/31/23 18:46	87-68-3	
n-Hexane	**<0.42**	ug/m3	1.3	0.42	1.79		01/31/23 18:46	110-54-3	
2-Hexanone	**<1.2**	ug/m3	7.4	1.2	1.79		01/31/23 18:46	591-78-6	
Methylene Chloride	**0.33J**	ug/m3	6.3	0.22	1.79		01/31/23 18:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<0.96**	ug/m3	7.4	0.96	1.79		01/31/23 18:46	108-10-1	
Methyl-tert-butyl ether	**0.49J**	ug/m3	6.6	0.45	1.79		01/31/23 18:46	1634-04-4	
Naphthalene	**6.1**	ug/m3	4.8	3.7	1.79		01/31/23 18:46	91-20-3	
2-Propanol	**<1.7**	ug/m3	4.5	1.7	1.79		01/31/23 18:46	67-63-0	
Propylene	**<0.64**	ug/m3	1.6	0.64	1.79		01/31/23 18:46	115-07-1	
Styrene	**3.0**	ug/m3	1.6	0.74	1.79		01/31/23 18:46	100-42-5	
1,1,2,2-Tetrachloroethane	**<0.51**	ug/m3	2.5	0.51	1.79		01/31/23 18:46	79-34-5	
Tetrachloroethene	**1.8**	ug/m3	1.2	0.44	1.79		01/31/23 18:46	127-18-4	
Tetrahydrofuran	**<0.33**	ug/m3	1.1	0.33	1.79		01/31/23 18:46	109-99-9	
Toluene	**1.2J**	ug/m3	1.4	0.29	1.79		01/31/23 18:46	108-88-3	
1,2,4-Trichlorobenzene	**<10.3**	ug/m3	13.5	10.3	1.79		01/31/23 18:46	120-82-1	
1,1,1-Trichloroethane	**39.3**	ug/m3	2.0	0.32	1.79		01/31/23 18:46	71-55-6	
1,1,2-Trichloroethane	**<0.46**	ug/m3	0.99	0.46	1.79		01/31/23 18:46	79-00-5	
Trichloroethene	**4.9**	ug/m3	0.98	0.43	1.79		01/31/23 18:46	79-01-6	
Trichlorofluoromethane	**1.6J**	ug/m3	2.0	0.36	1.79		01/31/23 18:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	**0.46J**	ug/m3	2.8	0.41	1.79		01/31/23 18:46	76-13-1	
1,2,4-Trimethylbenzene	**1.7J**	ug/m3	1.8	0.63	1.79		01/31/23 18:46	95-63-6	
1,3,5-Trimethylbenzene	**<0.49**	ug/m3	1.8	0.49	1.79		01/31/23 18:46	108-67-8	
Vinyl acetate	**<0.32**	ug/m3	1.3	0.32	1.79		01/31/23 18:46	108-05-4	
Vinyl chloride	**<0.17**	ug/m3	0.47	0.17	1.79		01/31/23 18:46	75-01-4	
m&p-Xylene	**2.9J**	ug/m3	3.2	0.88	1.79		01/31/23 18:46	179601-23-1	
o-Xylene	**1.2J**	ug/m3	1.6	0.32	1.79		01/31/23 18:46	95-47-6	

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

QC Batch: 865371 | Analysis Method: TO-15
QC Batch Method: TO-15 | Analysis Description: TO15 MSV AIR Low Level
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10640902001, 10640902002, 10640902003, 10640902004, 10640902005, 10640902006, 10640902007

METHOD BLANK: 4568158 | Matrix: Air
Associated Lab Samples: 10640902001, 10640902002, 10640902003, 10640902004, 10640902005, 10640902006, 10640902007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.090	0.56	01/31/23 11:32	
1,1,2,2-Tetrachloroethane	ug/m3	<0.14	0.70	01/31/23 11:32	
1,1,2-Trichloroethane	ug/m3	<0.13	0.28	01/31/23 11:32	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.11	0.78	01/31/23 11:32	
1,1-Dichloroethane	ug/m3	<0.054	0.41	01/31/23 11:32	
1,1-Dichloroethene	ug/m3	<0.082	0.40	01/31/23 11:32	
1,2,4-Trichlorobenzene	ug/m3	<2.9	3.8	01/31/23 11:32	
1,2,4-Trimethylbenzene	ug/m3	<0.18	0.50	01/31/23 11:32	
1,2-Dibromoethane (EDB)	ug/m3	<0.15	0.39	01/31/23 11:32	
1,2-Dichlorobenzene	ug/m3	<0.43	1.5	01/31/23 11:32	
1,2-Dichloroethane	ug/m3	<0.064	0.41	01/31/23 11:32	
1,2-Dichloropropane	ug/m3	<0.10	0.47	01/31/23 11:32	
1,3,5-Trimethylbenzene	ug/m3	<0.14	0.50	01/31/23 11:32	
1,3-Butadiene	ug/m3	<0.056	0.22	01/31/23 11:32	
1,3-Dichlorobenzene	ug/m3	<0.41	1.5	01/31/23 11:32	
1,4-Dichlorobenzene	ug/m3	<0.41	1.5	01/31/23 11:32	
2-Butanone (MEK)	ug/m3	<0.19	1.5	01/31/23 11:32	
2-Hexanone	ug/m3	<0.34	2.1	01/31/23 11:32	
2-Propanol	ug/m3	<0.48	1.2	01/31/23 11:32	
4-Ethyltoluene	ug/m3	<0.20	1.2	01/31/23 11:32	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.27	2.1	01/31/23 11:32	
Acetone	ug/m3	<1.1	3.0	01/31/23 11:32	
Benzene	ug/m3	<0.055	0.16	01/31/23 11:32	
Benzyl chloride	ug/m3	<0.38	1.3	01/31/23 11:32	
Bromodichloromethane	ug/m3	<0.16	0.68	01/31/23 11:32	
Bromoform	ug/m3	<0.39	2.6	01/31/23 11:32	
Bromomethane	ug/m3	<0.15	0.39	01/31/23 11:32	
Carbon disulfide	ug/m3	<0.12	0.32	01/31/23 11:32	
Carbon tetrachloride	ug/m3	<0.21	0.64	01/31/23 11:32	
Chlorobenzene	ug/m3	<0.070	0.47	01/31/23 11:32	
Chloroethane	ug/m3	<0.10	0.27	01/31/23 11:32	
Chloroform	ug/m3	<0.067	0.25	01/31/23 11:32	
Chloromethane	ug/m3	<0.044	0.21	01/31/23 11:32	
cis-1,2-Dichloroethene	ug/m3	<0.11	0.40	01/31/23 11:32	
cis-1,3-Dichloropropene	ug/m3	<0.33	1.2	01/31/23 11:32	
Cyclohexane	ug/m3	<0.067	0.88	01/31/23 11:32	
Dibromochloromethane	ug/m3	<0.18	0.86	01/31/23 11:32	
Dichlorodifluoromethane	ug/m3	<0.26	0.50	01/31/23 11:32	
Dichlorotetrafluoroethane	ug/m3	<0.12	0.71	01/31/23 11:32	
Ethanol	ug/m3	<0.45	0.96	01/31/23 11:32	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

METHOD BLANK: 4568158 Matrix: Air
Associated Lab Samples: 10640902001, 10640902002, 10640902003, 10640902004, 10640902005, 10640902006, 10640902007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	<0.080	0.37	01/31/23 11:32	
Ethylbenzene	ug/m3	<0.090	0.44	01/31/23 11:32	
Hexachloro-1,3-butadiene	ug/m3	<0.88	2.7	01/31/23 11:32	
m&p-Xylene	ug/m3	<0.25	0.88	01/31/23 11:32	
Methyl-tert-butyl ether	ug/m3	<0.12	1.8	01/31/23 11:32	
Methylene Chloride	ug/m3	<0.062	1.8	01/31/23 11:32	
n-Heptane	ug/m3	<0.064	0.42	01/31/23 11:32	
n-Hexane	ug/m3	<0.12	0.36	01/31/23 11:32	
Naphthalene	ug/m3	<1.0	1.3	01/31/23 11:32	
o-Xylene	ug/m3	<0.089	0.44	01/31/23 11:32	
Propylene	ug/m3	<0.18	0.44	01/31/23 11:32	
Styrene	ug/m3	<0.21	0.43	01/31/23 11:32	MN
Tetrachloroethene	ug/m3	<0.12	0.34	01/31/23 11:32	
Tetrahydrofuran	ug/m3	<0.093	0.30	01/31/23 11:32	
Toluene	ug/m3	<0.081	0.38	01/31/23 11:32	
trans-1,2-Dichloroethene	ug/m3	<0.21	0.40	01/31/23 11:32	
trans-1,3-Dichloropropene	ug/m3	<0.39	1.2	01/31/23 11:32	
Trichloroethene	ug/m3	<0.12	0.27	01/31/23 11:32	
Trichlorofluoromethane	ug/m3	<0.10	0.57	01/31/23 11:32	
Vinyl acetate	ug/m3	<0.088	0.36	01/31/23 11:32	
Vinyl chloride	ug/m3	<0.048	0.13	01/31/23 11:32	

LABORATORY CONTROL SAMPLE: 4568159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	58	56.6	98	70-133	
1,1,2,2-Tetrachloroethane	ug/m3	72.8	76.8	106	70-138	
1,1,2-Trichloroethane	ug/m3	58.3	59.2	102	70-133	
1,1,2-Trichlorotrifluoroethane	ug/m3	81.2	75.3	93	69-139	
1,1-Dichloroethane	ug/m3	42.5	41.6	98	70-133	
1,1-Dichloroethene	ug/m3	41.9	40.2	96	69-134	
1,2,4-Trichlorobenzene	ug/m3	175	157	90	70-130	
1,2,4-Trimethylbenzene	ug/m3	52.5	52.7	100	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.5	86.1	107	70-135	
1,2-Dichlorobenzene	ug/m3	63.9	63.2	99	70-133	
1,2-Dichloroethane	ug/m3	42.4	42.9	101	70-131	
1,2-Dichloropropane	ug/m3	49.3	49.0	99	70-130	
1,3,5-Trimethylbenzene	ug/m3	52.4	52.6	100	70-135	
1,3-Butadiene	ug/m3	23.9	23.4	98	69-137	
1,3-Dichlorobenzene	ug/m3	64.2	63.1	98	70-136	
1,4-Dichlorobenzene	ug/m3	64.3	62.0	96	70-135	
2-Butanone (MEK)	ug/m3	31.3	35.8	114	70-135	
2-Hexanone	ug/m3	43.4	40.2	93	70-130	
2-Propanol	ug/m3	137	128	94	70-130	

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.

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

LABORATORY CONTROL SAMPLE: 4568159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.3	51.6	99	70-137	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.6	43.3	99	70-142	
Acetone	ug/m3	127	116	91	65-131	
Benzene	ug/m3	33.8	34.1	101	70-130	
Benzyl chloride	ug/m3	55.6	52.2	94	70-130	
Bromodichloromethane	ug/m3	71.5	71.6	100	70-132	
Bromoform	ug/m3	110	131	119	70-143	
Bromomethane	ug/m3	41.4	38.3	92	70-133	
Carbon disulfide	ug/m3	33	31.8	96	70-131	
Carbon tetrachloride	ug/m3	66.7	67.5	101	70-135	
Chlorobenzene	ug/m3	49	50.0	102	70-133	
Chloroethane	ug/m3	28.1	26.4	94	64-140	
Chloroform	ug/m3	52.1	49.2	94	70-133	
Chloromethane	ug/m3	22	20.4	93	68-130	
cis-1,2-Dichloroethene	ug/m3	42.1	42.9	102	70-133	
cis-1,3-Dichloropropene	ug/m3	48.2	53.0	110	70-133	
Cyclohexane	ug/m3	36.4	43.4	119	70-134	
Dibromochloromethane	ug/m3	90.6	92.6	102	70-134	
Dichlorodifluoromethane	ug/m3	52.5	48.3	92	70-130	
Dichlorotetrafluoroethane	ug/m3	74.4	68.2	92	70-130	
Ethanol	ug/m3	113	108	96	65-130	
Ethyl acetate	ug/m3	38.4	41.5	108	70-134	
Ethylbenzene	ug/m3	46.2	46.3	100	70-133	
Hexachloro-1,3-butadiene	ug/m3	130	129	99	70-141	
m&p-Xylene	ug/m3	92.4	90.9	98	70-130	
Methyl-tert-butyl ether	ug/m3	38.3	40.4	105	70-132	
Methylene Chloride	ug/m3	36.8	34.4	93	70-134	
n-Heptane	ug/m3	43.5	47.0	108	69-140	
n-Hexane	ug/m3	37.7	41.4	110	70-137	
Naphthalene	ug/m3	63.9	56.2	88	70-130	
o-Xylene	ug/m3	46	45.9	100	70-132	
Propylene	ug/m3	18.6	17.6	95	69-130	
Styrene	ug/m3	45.3	43.8	97	70-136	
Tetrachloroethene	ug/m3	72	70.4	98	70-139	
Tetrahydrofuran	ug/m3	31.3	35.4	113	70-139	
Toluene	ug/m3	40.2	46.0	114	70-132	
trans-1,2-Dichloroethene	ug/m3	42.3	42.7	101	70-132	
trans-1,3-Dichloropropene	ug/m3	48.4	46.5	96	70-130	
Trichloroethene	ug/m3	57.2	57.7	101	70-132	
Trichlorofluoromethane	ug/m3	60.3	55.6	92	65-139	
Vinyl acetate	ug/m3	38.7	40.8	106	70-131	
Vinyl chloride	ug/m3	27.2	26.1	96	64-136	

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.

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

SAMPLE DUPLICATE: 4568777

Parameter	Units	10640902001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.27	<0.27		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.43	<0.43		25	
1,1,2-Trichloroethane	ug/m3	<0.38	<0.38		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.65J	0.67J		25	
1,1-Dichloroethane	ug/m3	<0.16	<0.16		25	
1,1-Dichloroethene	ug/m3	<0.24	<0.24		25	
1,2,4-Trichlorobenzene	ug/m3	13.0	12.9	1	25	
1,2,4-Trimethylbenzene	ug/m3	1.3J	1.3J		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.46	<0.46		25	
1,2-Dichlorobenzene	ug/m3	<1.3	<1.3		25	
1,2-Dichloroethane	ug/m3	0.21J	0.23J		25	
1,2-Dichloropropane	ug/m3	<0.30	<0.30		25	
1,3,5-Trimethylbenzene	ug/m3	0.96J	<0.41		25	
1,3-Butadiene	ug/m3	<0.17	<0.17		25	
1,3-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
1,4-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
2-Butanone (MEK)	ug/m3	7.1	7.6	6	25	
2-Hexanone	ug/m3	<1.0	<1.0		25	
2-Propanol	ug/m3	22.4	25.6	13	25	
4-Ethyltoluene	ug/m3	<0.61	<0.61		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.80	<0.80		25	
Acetone	ug/m3	34.9	37.6	7	25	
Benzene	ug/m3	0.69	0.71	2	25	
Benzyl chloride	ug/m3	<1.1	<1.1		25	
Bromodichloromethane	ug/m3	<0.48	<0.48		25	
Bromoform	ug/m3	<1.2	<1.2		25	
Bromomethane	ug/m3	<0.44	<0.44		25	
Carbon disulfide	ug/m3	<0.35	<0.35		25	
Carbon tetrachloride	ug/m3	<0.62	<0.62		25	
Chlorobenzene	ug/m3	<0.21	<0.21		25	
Chloroethane	ug/m3	<0.31	<0.31		25	
Chloroform	ug/m3	<0.20	<0.20		25	
Chloromethane	ug/m3	0.94	0.97	3	25	
cis-1,2-Dichloroethene	ug/m3	<0.32	<0.32		25	
cis-1,3-Dichloropropene	ug/m3	<0.97	<0.97		25	
Cyclohexane	ug/m3	<0.20	0.37J		25	
Dibromochloromethane	ug/m3	<0.54	<0.54		25	
Dichlorodifluoromethane	ug/m3	2.5	2.7	6	25	
Dichlorotetrafluoroethane	ug/m3	<0.36	<0.36		25	
Ethanol	ug/m3	146	153	4	25	
Ethyl acetate	ug/m3	0.53J	0.56J		25	
Ethylbenzene	ug/m3	0.94J	0.98J		25	
Hexachloro-1,3-butadiene	ug/m3	<2.6	<2.6		25	
m&p-Xylene	ug/m3	3.1	3.2	2	25	
Methyl-tert-butyl ether	ug/m3	<0.37	<0.37		25	
Methylene Chloride	ug/m3	0.58J	0.57J		25	
n-Heptane	ug/m3	<0.19	<0.19		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

SAMPLE DUPLICATE: 4568777

Parameter	Units	10640902001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	0.44J	0.65J		25	
Naphthalene	ug/m3	5.4	5.3	2	25	
o-Xylene	ug/m3	1.0J	1.1J		25	
Propylene	ug/m3	<0.53	<0.53		25	
Styrene	ug/m3	<0.62	<0.62		25	
Tetrachloroethene	ug/m3	<0.37	<0.37		25	
Tetrahydrofuran	ug/m3	5.2	5.4	4	25	
Toluene	ug/m3	2.8	3.0	7	25	
trans-1,2-Dichloroethene	ug/m3	<0.62	<0.62		25	
trans-1,3-Dichloropropene	ug/m3	<1.2	<1.2		25	
Trichloroethene	ug/m3	<0.36	<0.36		25	
Trichlorofluoromethane	ug/m3	1.5J	1.6J		25	
Vinyl acetate	ug/m3	<0.26	<0.26		25	
Vinyl chloride	ug/m3	<0.14	<0.14		25	

SAMPLE DUPLICATE: 4568778

Parameter	Units	10640902002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.26	<0.26		25	
1,1,2,2-Tetrachloroethane	ug/m3	<0.41	<0.41		25	
1,1,2-Trichloroethane	ug/m3	<0.37	<0.37		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	0.65J	0.63J		25	
1,1-Dichloroethane	ug/m3	<0.15	<0.15		25	
1,1-Dichloroethene	ug/m3	<0.24	<0.24		25	
1,2,4-Trichlorobenzene	ug/m3	<8.3	<8.3		25	
1,2,4-Trimethylbenzene	ug/m3	1.3J	1.3J		25	
1,2-Dibromoethane (EDB)	ug/m3	<0.44	<0.44		25	
1,2-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
1,2-Dichloroethane	ug/m3	0.48J	0.47J		25	
1,2-Dichloropropane	ug/m3	<0.29	<0.29		25	
1,3,5-Trimethylbenzene	ug/m3	<0.39	<0.39		25	
1,3-Butadiene	ug/m3	<0.16	<0.16		25	
1,3-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
1,4-Dichlorobenzene	ug/m3	<1.2	<1.2		25	
2-Butanone (MEK)	ug/m3	6.0	6.3	6	25	
2-Hexanone	ug/m3	<0.99	<0.99		25	
2-Propanol	ug/m3	97.9	103	5	25	
4-Ethyltoluene	ug/m3	<0.59	<0.59		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	0.95J	0.95J		25	
Acetone	ug/m3	65.6	66.3	1	25	
Benzene	ug/m3	0.78	0.79	1	25	
Benzyl chloride	ug/m3	<1.1	<1.1		25	
Bromodichloromethane	ug/m3	<0.46	<0.46		25	
Bromoform	ug/m3	<1.1	<1.1		25	
Bromomethane	ug/m3	<0.43	<0.43		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

SAMPLE DUPLICATE: 4568778

Parameter	Units	10640902002 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	<0.34	<0.34		25	
Carbon tetrachloride	ug/m3	<0.60	<0.60		25	
Chlorobenzene	ug/m3	<0.20	<0.20		25	
Chloroethane	ug/m3	<0.30	<0.30		25	
Chloroform	ug/m3	<0.19	<0.19		25	
Chloromethane	ug/m3	1.1	1.1	4	25	
cis-1,2-Dichloroethene	ug/m3	<0.31	<0.31		25	
cis-1,3-Dichloropropene	ug/m3	<0.94	<0.94		25	
Cyclohexane	ug/m3	0.65J	0.71J		25	
Dibromochloromethane	ug/m3	<0.52	<0.52		25	
Dichlorodifluoromethane	ug/m3	2.3	2.5	7	25	
Dichlorotetrafluoroethane	ug/m3	<0.35	<0.35		25	
Ethanol	ug/m3	169	174	3	25	
Ethyl acetate	ug/m3	0.63J	0.65J		25	
Ethylbenzene	ug/m3	0.84J	0.84J		25	
Hexachloro-1,3-butadiene	ug/m3	<2.5	<2.5		25	
m&p-Xylene	ug/m3	2.6	2.7	3	25	
Methyl-tert-butyl ether	ug/m3	<0.36	<0.36		25	
Methylene Chloride	ug/m3	0.63J	0.65J		25	
n-Heptane	ug/m3	<0.19	<0.19		25	
n-Hexane	ug/m3	1.0J	1.1		25	
Naphthalene	ug/m3	5.0	4.9	1	25	
o-Xylene	ug/m3	1.0J	1.1J		25	
Propylene	ug/m3	<0.51	<0.51		25	
Styrene	ug/m3	<0.60	<0.60		25	
Tetrachloroethene	ug/m3	<0.36	<0.36		25	
Tetrahydrofuran	ug/m3	2.7	2.8	2	25	
Toluene	ug/m3	6.3	6.5	3	25	
trans-1,2-Dichloroethene	ug/m3	<0.60	<0.60		25	
trans-1,3-Dichloropropene	ug/m3	<1.1	<1.1		25	
Trichloroethene	ug/m3	<0.34	<0.34		25	
Trichlorofluoromethane	ug/m3	1.5J	1.5J		25	
Vinyl acetate	ug/m3	<0.25	<0.25		25	
Vinyl chloride	ug/m3	<0.14	<0.14		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

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

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

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 117-1321012.300 City of West B
Pace Project No.: 10640902

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10640902001	**IA-B-209 South**	TO-15	865371		
10640902002	**IA-G-209 South**	TO-15	865371		
10640902003	**OA-01**	TO-15	865371		
10640902004	**IA-B-202 South**	TO-15	865371		
10640902005	**IA-G-202 South**	TO-15	865371		
10640902006	**SG-209 South**	TO-15	865371		
10640902007	**SG-202 South**	TO-15	865371		

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

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.

58319

Page: 1 of 1

Section A Required Client Information:

Company: Tetra Tech
Address: 13555 Bishops Ct., Ste. 201 Brookfield, WI 53005
Email To: mark.manthey@tetratech.com
Phone: (262) 782-1282 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Mark Manthey
Copy To:
Purchase Order No.:
Project Name: City of West Bend
Project Number: 117-1321012.300

Section C Invoice Information:

Attention: same
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #: 33689

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

Location of Sampling by State: WI

Reporting Units: ug/m³___ mg/m³___ PPBV___ PPMV___ Other___

Report Level II.___ III.___ IV.___ Other____

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

ITEM #	'Section D Required Client Information AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED 2023 Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	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-14	TO-15 Full List VOCs	TO-15 Short List BTEX	TO-15 Short List Chlorinated	TO-15 Short List (other)	Pace Lab ID
1	IA-B-209 South	6LC		1-23	9:05	1-24	9:05	30	5	1594	0079					X					001
2	IA-G-209 South	↓		↓	9:10	↓	9:10	27	1	0433	1415					↓					002
3	OA-01	↓		↓	9:15	↓	9:15	30	4	2339	0328					↓					003
4	IA-B-202 South	↓		↓	10:00	↓	10:00	28	3	1632	1443					↓					004
5	IA-G-202 South	↓		↓	10:05	↓	10:05	25	4	0631	0021					↓					005
6	SG-209 South	↓		1-24	9:00	1-24	9:30	30	9	0295	1765					↓					006
7	SG-202 South	↓		1-24	10:00	1-24	10:30	30	9	3680	3003					↓					007
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Connor Lawson / Tetra Tech	1-24	12:00	Matt [illegible] / Pace	1-25-23	10:20

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
—	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Connor Lawson

SIGNATURE of SAMPLER: Connor Lawson DATE Signed (MM / DD / YY) 01/24/23

WO#: 10640902

10640902

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-MIN4-0113 v01_Sample Condition Upon Receipt (SCUR) - Air
	Effective Date: 02/25/2022

Air Sample Condition Upon Receipt

Client Name: Tetra Tech

Project #: WO#: 10640902

PM: MR2 Due Date: 02/01/23

CLIENT: TetraTech-WI

Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 6101 8740 8520, 6101 8749 3320 ☐ See Exception

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Tin Can ☐ Other:

Date & Initials of Person Examining Contents: 1-25-23 MI

				Comments:
Chain of Custody Present?	☒ Yes	☐ No		1.
Chain of Custody Filled Out?	☒ Yes	☐ No		2.
Chain of Custody Relinquished?	☒ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☒ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		6.
Rush Turn Around Time Requested?	☐ Yes	☒ No		7.
Sufficient Volume?	☒ Yes	☐ No		8.
Correct Containers Used? **(Tedlar bags not acceptable container for TO-15 or APH)** -Pace Containers Used?	☒ Yes ☒ Yes	☐ No ☐ No		9. 209 South FC is 1764, not 1765.
Containers Intact? **(visual inspection/no leaks when pressurized)**	☒ Yes	☐ No		10.
Media: Air Can / Airbag				11. Individually Certified Cans? Y / N (list which samples)
Is sufficient information available to reconcile samples to the COC?	☒ Yes	☐ No		12.
Do cans need to be pressurized? **(DO NOT PRESSURIZE 3C or ASTM 1946!!!)**	☒ Yes	☐ No		13.

Gauge #: ☐ 10AIR26 ☐ 10AIR34 ☐ 10AIR35 ☐ 10AIR17 ☐ 10AIR47 ☒ 10AIR48

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
1	1594	79	-3	+5					
2	433	1415	-2						
3	2339	328	-1.5						
4	1632	1443	-2.5						
5	631	1021	-3.5						
6	295	1764	-7.5						
7	3680	3003	-7						

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Matt Ray **Date:** 1/25/23

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).*

Qualtrax ID: 52723

Table 2. Summary of Residential Properties Indoor Air and Sub-Slab Soil Gas Samples VOCs Analytical Results, City of West Bend Former Gehl Co. TIF District #12 Site

Property Address	Sample ID	Sample Location	Date Sampled	Mitigation	1,1,1-Trichloroethane	1,1,2-Trichlorotrifluoroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	2-Propanol	4-Ethyltoluene	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane
INDOOR / OUTDOOR AIR SAMPLES																															
				Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
				Residential VAL	5200	5200	18	210	2.1	63	210	1.1	63	--	2.6	5200	31	210	--	3100	32000	3.6	0.76	5.2	730	4.7	52	1.2	94	1000	--
202 South Street	OA-02	Outdoor	4/28/2021	NA	<0.29	0.72 J	<0.26	<0.21	<7.6	<0.55	<0.63	<0.30	<0.45	<0.79	<1.4	5.4	1.7 J	3.0 J	<0.73	4.7 J	11.5	0.94	<0.37	<0.23	<0.20	<0.43	<0.24	<0.28	0.69	<0.34	<0.80
	IA-B-202 South	Basement	4/28/2021	No	<0.29	0.57 J	<0.26	<0.21	<7.6	1.1 J	<0.63	0.51 J	<0.45	<0.79	**2.9 J**	7.1	<0.69	15.9	<0.73	<0.50	39.9	0.66	<0.37	<0.23	<0.20	<0.43	<0.24	<0.28	0.97	<0.34	<0.80
			10/20/2022	No	<0.25	0.72 J	<0.15	<0.23	<8.0	<0.49	<1.2	<0.18	<0.38	<1.1	<1.1	<0.52	<0.96	<1.3	<0.57	<0.75	32.4	0.52	<0.44	<0.41	<0.33	<0.58	<0.19	<0.19	0.82	0.70 J	<0.50
			1/24/2023	No	<0.26	0.59 J	<0.16	<0.24	<8.4	<0.51	<1.3	0.23 J	<0.40	<1.2	2.4 J	2.2 J	<1.0	14.3	<0.59	<0.79	13.1	1.6	<0.47	<0.43	<0.34	<0.61	<0.20	<0.20	0.95	0.37 J	<0.53
	IA-G-202 South	Ground Floor	4/28/2021	No	<0.29	<0.46	<0.26	<0.22	<7.7	3.5	1.8 J	**1.4**	1.6	2.6 J	**7.9**	31.2	<0.70	47.5	1.9 J	3.0 J	171	1.8	<0.37	<0.24	<0.20	<0.44	0.41 J	<0.29	0.97	2.2 J	<0.81
			10/20/2022	No	<0.28	0.68 J	<0.17	<0.25	<8.9	1.2 J	<1.3	<0.20	<0.42	<1.3	**6.4**	<0.58	<1.1	<1.5	<0.63	<0.83	40.8	0.63	<0.50	<0.46	<0.36	<0.65	<0.22	<0.21	0.79	<0.21	<0.56
			1/24/2023	No	<0.28	0.65 J	<0.16	<0.25	<8.7	1.1 J	<1.3	0.53 J	<0.42	<1.3	**5.2**	5.6	<1.0	153	<0.62	1.1 J	36.4	2.1	<0.49	<0.45	<0.36	<0.64	<0.21	0.31 J	1.1	0.67 J	<0.55
208 South Street	OA-208 South	Outdoor	10/13/2021	NA	<0.28	1.0 J	<0.25	<0.21	<7.3	<0.53	<0.60	<0.29	<0.43	<0.76	<1.3	2.8 J	1.3 J	2.8 J	<0.70	<0.48	11.2	0.29 J	<0.35	<0.22	<0.19	0.57 J	<0.23	<0.27	0.91	0.33 J	<0.77
			2/22/2022	NA	<0.25	<0.39	<0.22	<0.19	<6.6	<0.48	<0.55	<0.26	<0.39	<0.69	<1.2	<0.63	<0.60	<0.69	<0.64	<0.44	2.6 J	<0.16	<0.32	<0.20	<0.18	0.42 J	<0.21	<0.25	0.78	<0.30	<0.70
			11/4/2022	NA	<0.28	0.53 J	<0.16	<0.25	<8.7	<0.53	<1.3	<0.19	<0.42	<1.3	<1.2	0.90 J	1.4 J	<1.5	<0.62	<0.82	10.3	0.30 J	<0.49	<0.45	<0.36	<0.64	<0.21	<0.20	0.81	<0.20	<0.55
	IA-B-208 South	Basement	10/13/2021	No	<0.28	1.1 J	<0.25	<0.21	<7.3	1.4 J	<0.60	<0.29	<0.43	<0.76	<1.3	5.4	1.0 J	205	<0.70	1.2 J	130	0.74 J	<0.35	<0.22	<0.19	0.63 J	<0.23	<0.27	0.99	1.9 J	<0.77
			2/22/2022	No	<0.28	0.54 J	<0.25	<0.21	<7.3	<0.53	<0.60	<0.29	<0.43	<0.76	<1.3	<0.69	<0.66	9.7	<0.70	<0.48	9.5	<0.17	<0.35	<0.22	<0.19	<0.42	<0.23	<0.27	<0.13	<0.33	<0.77
			11/4/2022	No	<0.32	<0.41	<0.19	<0.29	<10.3	2.9 J	<1.5	<0.23	<0.49	<1.5	<1.5	3.1 J	<1.2	64.8	<0.73	<0.96	43.8	1.0	<0.57	<0.53	<0.42	<0.75	<0.25	<0.24	1.0	<0.24	<0.64
	IA-G-208 South	Ground Floor	10/13/2021	No	<0.29	1.0 J	<0.26	<0.21	<7.6	2.4	<0.63	**1.1 J**	<0.45	<0.79	<1.4	6.9	1.4 J	**720**	0.95 J	1.6 J	179	0.75 J	0.64 J	<0.23	3.5	0.74 J	<0.24	<0.28	<0.13	1.5 J	0.93 J
			2/22/2022	No	<0.29	0.49 J	<0.26	<0.22	<7.7	<0.56	<0.64	<0.31	<0.46	<0.80	<1.4	<0.73	<0.70	9.2	<0.75	<0.51	16.4	<0.18	<0.37	<0.24	<0.20	<0.44	<0.24	<0.29	<0.13	<0.35	<0.81
			11/4/2022	No	<0.64	<0.80	<0.38	<0.58	<20.1	<1.2	<3.0	<0.45	<0.96	<2.9	<2.8	4.1 J	<2.4	30.1	<1.4	<1.9	50.4	0.70 J	<1.1	<1.0	<0.82	<1.5	<0.49	<0.47	1.2 J	<0.47	<1.3
209 South Street	OA-1	Outdoor	10/20/2022	NA	<0.25	<0.32	<0.15	<0.23	<8.0	<0.49	<1.2	<0.18	<0.38	<1.1	<1.1	<0.52	<0.96	<1.3	<0.57	<0.75	6.4 J	<0.15	<0.44	<0.41	<0.33	<0.58	<0.19	<0.19	0.69	<0.19	<0.50
	IA-B-209 South	Basement	4/14/2021	No	0.69J	0.62J	<0.25	<0.21	<7.4	1.3J	<0.62	0.42J	0.69J	<0.77	<1.3	5.0	<0.67	9.2	0.87J	<0.49	30.4	**3.9**	<0.36	<0.23	<0.20	0.49J	<0.24	<0.28	0.98	8.4	<0.78
			10/20/2022	No	<0.26	0.60 J	<0.15	<0.24	<8.3	<0.50	<1.2	<0.18	<0.39	<1.2	<1.2	6.7	<0.99	26.1	<0.59	<0.77	46.6	0.39 J	<0.46	<0.43	<0.34	<0.60	<0.20	<0.19	0.88	<0.19	<0.52
			1/24/2023	No	<0.27	0.65 J	<0.16	<0.24	**13.0**	1.3 J	<1.3	0.21 J	0.96 J	<1.2	<1.2	7.1	<1.0	22.4	<0.61	<0.80	34.9	0.69	<0.48	<0.44	<0.35	<0.62	<0.21	<0.20	0.94	<0.20	<0.54
	IA-G-209 South	Ground Floor	4/14/2021	No	<0.28	0.64J	<0.25	<0.21	<7.3	<0.53	<0.60	<0.29	<0.43	<0.76	<1.3	1.0J	<0.66	<0.76	<0.70	<0.48	8.1J	0.49	<0.35	<0.22	<0.19	0.48J	<0.23	<0.27	1.0	<0.33	<0.77
			10/20/2022	No	<0.28	0.55 J	<0.17	<0.25	<8.9	<0.54	<1.3	**2.6**	<0.42	<1.3	<1.3	3.4 J	<1.1	168	<0.63	<0.83	99.0	0.43 J	<0.50	<0.46	<0.36	<0.65	<0.22	<0.21	<0.14	<0.21	<0.56
			1/24/2023	No	<0.26	0.65 J	<0.15	<0.24	<8.3	1.3 J	<1.2	0.48 J	<0.39	<1.2	<1.2	6.0	<0.99	97.9	<0.59	0.95 J	65.6	0.78	<0.46	<0.43	<0.34	<0.60	<0.20	<0.19	1.1	0.65 J	<0.52
204 Linwood Terrace	OA-204 Linwood	Outdoor	11/8/2021	NA	0.79 J	0.48 J	<0.24	<0.20	<7.0	1.0 J	<0.58	<0.28	<0.42	<0.73	<1.3	1.9 J	0.81 J	<0.73	<0.68	<0.46	12.5	0.46 J	<0.34	<0.22	<0.19	0.64 J	<0.22	<0.26	1.0	<0.32	<0.74
			12/29/2021	NA	<0.27	0.51 J	<0.24	<0.20	<7.1	<0.52	<0.59	<0.28	<0.42	<0.74	<1.3	0.88 J	<0.65	3.5 J	<0.69	<0.47	4.4 J	0.63	<0.35	<0.22	<0.19	0.51 J	<0.23	<0.27	1.2	<0.32	<0.75
			5/12/2022	NA	<0.28	0.67 J	<0.25	<0.21	<7.3	<0.53	<0.60	<0.29	<0.43	<0.76	<1.3	3.2 J	1.5 J	2.4 J	<0.70	<0.48	16.0	0.45 J	<0.35	0.46 J	<0.19	<0.42	<0.23	<0.27	0.59 J	<0.33	<0.77
			1/12/2023	NA	<0.24	<0.31	<0.14	<0.22	<7.7	<0.47	<1.2	<0.17	<0.37	<1.1	<1.1	1.8 J	1.1 J	<1.3	<0.55	<0.72	12.9	0.76	<0.43	<0.40	<0.31	<0.56	<0.19	<0.18	0.94	0.37 J	<0.48
	IA-B-204 Linwood	Basement	11/8/2021	No	15.6	0.60 J	0.45 J	<0.20	<7.1	10.5	<0.59	<0.28	3.4	<0.74	<1.3	19.1	0.89 J	3.3 J	3.8	1.3 J	66.2	**5.8**	<0.35	<0.22	<0.19	0.66 J	<0.23	<0.27	2.4	26.2	<0.75
			12/29/2021	Yes	<0.36	<0.57	<0.32	<0.27	<9.6	5.6	<0.79	<0.38	1.5 J	<1.0	<1.7	21.1	<0.87	5.7	1.6 J	<0.63	65.3	2.2	<0.46	<0.29	<0.25	<0.55	<0.30	<0.36	<0.17	<0.43	<1.0
			5/12/2022	Yes	<0.27	0.59 J	<0.24	<0.20	<7.0	7.3	<0.58	<0.28	2.4	<0.73	<1.3	48.6	<0.64	22.1	2.9 J	2.9 J	125	3.1	<0.34	<0.22	0.31 J	<0.40	<0.22	<0.26	<0.12	<0.32	<0.74
			1/12/2023	Yes	<0.26	<0.33	<0.15	<0.24	<8.3	3.6	<1.2	<0.18	1.3 J	<1.2	<1.2	10.9	<0.99	<1.4	1.7 J	<0.77	31.9	**5.5**	<0.46	<0.43	<0.34	<0.60	<0.20	<0.19	0.97	<0.19	<0.52
	IA-G-204 Linwood	Ground Floor	11/8/2021	No	4.5	0.69 J	<0.25	<0.21	<7.3	2.8	<0.60	<0.29	1.3 J	<0.76	<1.3	8.4	0.85 J	3.6 J	<0.70	0.97 J	50.8	1.7	<0.35	<0.22	0.23 J	0.58 J	<0.23	<0.27	1.9	6.5	<0.77
			12/29/2021	Yes	<0.52	<0.80	<0.46	<0.38	<13.6	5.9	<1.1	<0.54	1.5 J	<1.4	<2.4	24.6	<1.2	6.8 J	1.6 J	<0.89	86.3	1.8	<0.66	<0.42	<0.36	<0.78	<0.43	<0.51	4.0	<0.61	<1.4
			5/12/2022	Yes	<0.31	0.73 J	<0.27	<0.23	9.3 J	3.5	<0.66	<0.32	0.83 J	<0.83	<1.4	114	2.3 J	35.8	1.7 J	3.4 J	212	1.2	<0.39	<0.25	0.40 J	<0.46	<0.25	0.49 J	1.0	1.9 J	<0.84
			1/12/2023	Yes	<0.28	<0.35	<0.17	<0.25	<8.9	2.8	<1.3	<0.20	1.2 J	<1.3	<1.3	7.7	<1.1	1.6 J	1.5 J	<0.83	37.0	**4.3**	<0.50	<0.46	<0.36	<0.65	<0.22	<0.21	1.1	3.8	<0.56

Table 2. Summary of Residential Properties Indoor Air and Sub-Slab Soil Gas Samples VOCs Analytical Results, City of West Bend Former Gehl Co. TIF District #12 Site

Property Address	Sample ID	Sample Location	Date Sampled	Mitigation	Dichlorodifluoromethane	Dichlorotetrafluoroethane	Ethanol	Ethyl acetate	Ethylbenzene	m&p-Xylene	Methylene Chloride	Naphthalene	n-Heptane	n-Hexane	o-Xylene	Propylene	Styrene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Total VOCs
INDOOR / OUTDOOR AIR SAMPLES																									
				Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
				Residential VAL	100	--	--	73	11	100	630	0.83	420	730	100	3100	1000	42	2100	5200	42	2.1	--	1.7	--
202 South Street	OA-02	Outdoor	4/28/2021	NA	1.8	<0.31	9.0	<0.20	<0.48	<1.0	<0.92	<3.4	<0.28	<0.30	<0.42	<0.20	<0.60	<0.45	<0.28	1.1 J	<0.26	<0.30	1.4 J	<0.13	41.95
	IA-B-202 South	Basement	4/28/2021	No	2.7	<0.31	53.5	6.2	<0.48	1.2 J	1.1 J	<3.4	4.2	3.8	0.74 J	<0.20	<0.60	<0.45	<0.28	8.5	<0.26	<0.30	1.6 J	<0.13	153.15
			10/20/2022	No	2.4	<0.34	78.5	1.8	<0.25	1.7 J	0.56 J	<2.9	0.43 J	<0.32	<0.25	<0.50	<0.58	<0.34	<0.26	2.7	<0.44	<0.33	2.0	<0.13	125.25
			1/24/2023	No	2.5	<0.35	92.8	0.42 J	0.65 J	2.0 J	0.58 J	**4.9**	<0.19	1.1	0.81 J	<0.52	<0.61	<0.36	<0.27	2.1	<0.61	<0.35	1.4 J	<0.14	145
	IA-G-202 South	Ground Floor	4/28/2021	No	2.0	<0.32	267	17.1	2.0	5.3	3.5 J	<3.4	5.1	7.4	2.0	<0.21	5.0	0.55 J	5.1	13.7	<0.27	<0.31	1.6 J	<0.14	616.13
			10/20/2022	No	2.5	<0.38	684	3.4	0.82 J	2.1 J	1.2 J	<3.2	0.61 J	1.8	0.72 J	<0.55	<0.64	<0.38	<0.29	2.8	<0.49	<0.37	1.7 J	<0.15	752.15
			1/24/2023	No	2.4	<0.37	363	1.0 J	0.99 J	2.8	1.2 J	**5.1**	<0.20	1.2	1.3 J	<0.54	1.7	<0.38	<0.28	5.5	<0.63	<0.36	1.3 J	<0.15	595.25
208 South Street	OA-208 South	Outdoor	10/13/2021	NA	6.3	<0.30	6.8	<0.20	<0.46	<0.96	1.5 J	<3.2	1.3	0.50 J	<0.40	0.70 J	<0.57	<0.44	<0.27	1.2	<0.25	<0.29	2.7 J	<0.13	42.2
			2/22/2022	NA	2.3	<0.27	2.8	<0.18	<0.42	<0.87	<0.81	<3.0	<0.25	<0.26	<0.37	<0.18	<0.52	<0.40	<0.24	<0.33	<0.23	<0.27	1.2 J	<0.12	10.1
			11/4/2022	NA	2.2	<0.37	14.0	0.41 J	<0.27	<0.75	0.24 J	<3.2	0.23 J	<0.35	<0.27	<0.54	<0.63	<0.38	<0.28	1.4	<0.48	<0.36	1.0 J	<0.15	33.72
	IA-B-208 South	Basement	10/13/2021	No	3.2	0.46 J	150	1.7	0.68 J	2.5 J	1.5 J	<3.2	2.2	1.4	0.93 J	1.0 J	0.95 J	<0.44	2.1	7.8	<0.25	<0.29	2.4 J	<0.13	528.18
			2/22/2022	No	2.3	<0.30	109	<0.20	<0.46	<0.96	<0.88	<3.2	<0.27	<0.28	<0.40	<0.19	<0.57	<0.44	<0.27	1.8	<0.25	<0.29	1.3 J	<0.13	134.14
			11/4/2022	No	2.3	<0.43	449	2.2	0.79 J	2.4 J	<0.22	<3.7	2.3	1.6	0.83 J	<0.64	<0.74	<0.44	<0.33	8.6	<0.57	<0.43	0.93 J	<0.17	587.55
	IA-G-208 South	Ground Floor	10/13/2021	No	2.9	<0.31	1930	25.0	1.8	3.2	1.6 J	<3.4	4.5	1.6	1.3 J	29.3	2.3	0.62 J	1.8	9.5	<0.26	<0.30	2.4 J	<0.13	2940.23
			2/22/2022	No	2.5	<0.32	240	<0.21	<0.49	<1.0	<0.94	<3.4	<0.29	<0.30	<0.43	<0.21	<0.61	<0.46	<0.28	1.6	<0.27	<0.31	1.3 J	<0.14	271.49
			11/4/2022	No	2.2 J	<0.85	1440	9.2	<0.63	2.2 J	<0.44	<7.3	1.2 J	1.1 J	0.76 J	<1.3	<1.5	<0.87	<0.65	4.4	<1.1	<0.84	0.96 J	<0.34	1548.52
209 South Street	OA-1	Outdoor	10/20/2022	NA	2.7	<0.34	17.2	<0.22	<0.25	<0.68	<0.17	<2.9	<0.18	<0.32	<0.25	<0.50	<0.58	<0.34	<0.26	0.40 J	<0.44	<0.33	1.7	<0.13	29.09
	IA-B-209 South	Basement	4/14/2021	No	2.6	<0.31	210	0.58J	1.5	5.8	<0.90	<3.3	3.7	14.3	1.6	<0.20	0.60J	0.87J	<0.27	12.2	<0.26	<0.30	1.8	<0.13	318.51
			10/20/2022	No	2.5	<0.35	47.3	1.9	1.1 J	3.7	0.68 J	<3.0	<0.19	<0.33	1.1 J	<0.51	<0.60	<0.36	4.5	5.9	<0.46	<0.34	1.5 J	<0.14	151.45
			1/24/2023	No	2.5	<0.36	146	0.53 J	0.94 J	3.1	0.58 J	**5.1**	<0.19	0.44 J	1.0 J	<0.53	<0.62	<0.37	5.2	2.8	<0.62	<0.36	1.5 J	<0.14	252.14
	IA-G-209 South	Ground Floor	4/14/2021	No	2.8	<0.30	4.7	0.78J	<0.46	<0.96	<0.88	<3.2	<0.27	<0.28	<0.40	<0.19	0.72J	<0.44	<0.27	1.7	0.57J	<0.29	1.5J	<0.13	24.48
			10/20/2022	No	<0.80	<0.38	104	<0.25	0.82 J	2.3 J	<0.19	<3.2	0.53 J	<0.36	0.80 J	<0.55	<0.64	<0.38	1.5	3.2	<0.49	<0.37	1.6 J	<0.15	388.73
			1/24/2023	No	2.3	<0.35	169	0.63 J	0.84 J	2.6	0.63 J	**5.0**	<0.19	1.0 J	1.0 J	<0.51	<0.60	<0.36	2.7	6.3	<0.60	<0.34	1.5 J	<0.14	368.91
204 Linwood Terrace	OA-204 Linwood	Outdoor	11/8/2021	NA	3.1	<0.29	8.2	<0.19	<0.44	1.1 J	0.85 J	**3.4 J**	<0.26	0.53 J	0.43 J	<0.19	<0.55	<0.42	0.46 J	0.67 J	<0.24	<0.28	1.5 J	<0.12	39.82
			12/29/2021	NA	2.8	<0.29	6.6	<0.19	<0.45	<0.94	<0.87	**4.3**	<0.26	0.46 J	<0.40	<0.19	<0.56	<0.43	<0.26	1.2	<0.25	<0.29	1.5 J	<0.13	28.49
			5/12/2022	NA	2.0	<0.30	11.0	0.38 J	<0.46	<0.96	<0.88	**3.3 J**	<0.27	<0.28	<0.40	<0.19	<0.57	<0.44	<0.27	0.75 J	0.35 J	<0.29	1.4 J	<0.13	44.45
			1/12/2023	NA	2.5	<0.33	9.4	0.47 J	0.44 J	1.1 J	0.43 J	**3.3 J**	<0.17	0.71 J	<0.24	<0.48	<0.56	<0.33	<0.25	1.0	<0.56	<0.32	1.4 J	<0.13	38.62
	IA-B-204 Linwood	Basement	11/8/2021	No	3.0	<0.29	163	0.78 J	6.3	25.8	0.99 J	**3.8 J**	5.5	13.8	9.7	<0.19	0.91 J	<0.43	33.5	57.5	<0.25	**2.7**	2.2	<0.13	489.68
			12/29/2021	Yes	2.7	<0.40	139	<0.26	2.1	8.2	<1.2	<4.3	1.9	4.0	3.1	<0.25	<0.75	<0.57	27.1	22.6	<0.33	<0.38	1.6 J	<0.17	315.3
			5/12/2022	Yes	4.3	<0.29	200	12.7	5.3	23.6	<0.85	**3.4 J**	<0.26	7.1	7.6	<0.19	2.0	0.67 J	42.0	59.4	0.34 J	0.28 J	1.6 J	<0.12	585.49
			1/12/2023	Yes	2.2	<0.35	103	2.2	2.8	10.9	0.40 J	**3.6 J**	<0.19	9.6	3.3	<0.51	0.61 J	<0.36	19.7	22.2	<0.60	<0.34	1.5 J	<0.14	237.88
	IA-G-204 Linwood	Ground Floor	11/8/2021	No	3.2	<0.30	272	0.74 J	1.6	5.5	1.1 J	**4.4**	<0.27	3.4	2.2	<0.19	0.94 J	<0.44	7.1	13.8	<0.25	0.76 J	2.5	<0.13	404.06
			12/29/2021	Yes	2.7 J	<0.56	205	<0.36	1.7 J	6.0	<1.6	<6.0	2.0 J	2.6	2.4 J	<0.36	<1.1	<0.81	17.1	14.8	<0.47	<0.54	1.9 J	<0.24	388.7
			5/12/2022	Yes	1.9	<0.33	1040	24.7	2.6	10.0	<0.97	**4.0 J**	<0.30	<0.31	3.4	<0.21	1.7	<0.48	6.5	16.7	0.69 J	<0.32	3.4	<0.14	1504.14
			1/12/2023	Yes	2.6	<0.38	158	5.7	2.1	7.8	0.43 J	**3.9 J**	<0.20	7.5	2.3	<0.55	<0.64	<0.38	11.3	15.6	<0.64	<0.37	1.8	<0.15	280.03

Table 2. Summary of Residential Properties Indoor Air and Sub-Slab Soil Gas Samples VOCs Analytical Results, City of West Bend Former Gehl Co. TIF District #12 Site

Property Address	Sample ID	Sample Location	Date Sampled	Mitigation	1,1,1-Trichloroethane	1,1,2-Trichlorotrifluoroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	2-Propanol	4-Ethyltoluene	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Bromodichloromethane	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane
INDOOR / OUTDOOR AIR SAMPLES																															
				Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
				Residential VAL	5200	5200	18	210	2.1	63	210	1.1	63	--	2.6	5200	31	210	--	3100	32000	3.6	0.76	5.2	730	4.7	52	1.2	94	1000	--
205/ 205A Linwood Terrace	OA-2	Outdoor	6/28/2012	NA	<0.85	NA	<0.64	<0.62	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	OA-02B		7/27/2012	NA	<0.85	NA	<0.64	<0.62	NA	NA	NA	<0.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-04	Basement	6/28/2012	No	<2.2	NA	<1.7	<1.6	NA	NA	NA	<0.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-04B		7/27/2012	No	<0.80	NA	<0.59	<0.58	NA	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-07		4/25/2014	Yes	<1.6	NA	<1.2	<1.2	NA	NA	NA	<0.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-05	1st Floor	6/28/2012	No	<3.7	NA	<2.8	<2.7	NA	NA	NA	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-05B		7/27/2012	No	<0.80	NA	<0.59	<0.58	NA	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-06	2nd Floor	6/28/2012	No	<0.76	NA	<0.57	<0.56	NA	NA	NA	<0.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-06B		7/27/2012	No	<0.80	NA	<0.59	<0.58	NA	NA	NA	<0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
213/215 Linwood Terrace	BOA-01	Outdoor	6/30/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-01	Basement	6/30/2020	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA-02	1st Floor	6/30/2020	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
225 Linwood Terrace	OA-1	Outdoor	4/14/2021	NA	0.30J	0.62J	<0.24	<0.20	<7.1	0.55J	<0.59	0.29J	0.46J	<0.74	<1.3	3.7J	<0.65	<0.74	<0.69	<0.47	36.3	1.5	<0.35	<0.22	<0.19	0.41J	<0.23	<0.27	1.0	<0.32	<0.75
	IA-B-225 Linwood	Basement	4/14/2021	No	1.1J	0.60J	<0.25	<0.21	<7.4	<0.54	<0.62	0.58J	<0.44	<0.77	<1.3	4.2J	<0.67	**5680**	<0.72	<0.49	139	**4.5**	<0.36	<0.23	0.21J	0.43J	<0.24	0.54J	<0.13	<0.34	<0.78
			10/20/2022	No	<0.26	0.47 J	<0.16	<0.24	<8.4	2.0	<1.3	0.37 J	1.1 J	<1.2	2.0 J	13.4	<1.0	**237**	1.5 J	0.86 J	136	1.1	<0.47	<0.43	<0.34	<0.61	<0.20	**1.5**	<0.13	<0.20	<0.53
			1/12/2023	No	<0.27	<0.34	<0.16	<0.24	<8.5	1.2 J	<1.3	<0.19	0.67 J	<1.2	<1.2	2.5 J	<1.0	13.3	<0.61	<0.80	17.1	1.0	<0.48	<0.44	<0.35	<0.62	<0.21	**2.3**	1.2	<0.20	<0.54
	IA-G-225 Linwood	Ground Floor	4/14/2021	No	0.54J	0.67J	<0.26	<0.21	<7.6	<0.55	<0.63	**1.2J**	<0.45	<0.79	<1.4	5.3	<0.69	**3350**	<0.73	<0.50	135	1.0	<0.37	<0.23	0.24J	<0.43	<0.24	0.46J	<0.13	<0.34	<0.80
			10/20/2022	No	<0.27	0.54 J	<0.16	<0.24	<8.5	1.4 J	<1.3	0.78 J	<0.41	<1.2	<1.2	2.7 J	<1.0	**243**	<0.61	<0.80	228	0.93	<0.48	<0.44	<0.35	<0.62	<0.21	0.96	<0.13	<0.20	<0.54
			1/12/2023	No	<0.28	<0.35	<0.17	<0.25	<8.9	1.2 J	<1.3	0.30 J	<0.42	<1.3	1.9 J	3.7 J	<1.1	9.6	<0.63	<0.83	44.6	1.1	<0.50	<0.46	0.46 J	<0.65	<0.22	**2.6**	1.3	<0.21	<0.56

Table 2. Summary of Residential Properties Indoor Air and Sub-Slab Soil Gas Samples VOCs Analytical Results, City of West Bend Former Gehl Co. TIF District #12 Site

Property Address	Sample ID	Sample Location	Date Sampled	Mitigation	Dichlorodifluoromethane	Dichlorotetrafluoroethane	Ethanol	Ethyl acetate	Ethylbenzene	m&p-Xylene	Methylene Chloride	Naphthalene	n-Heptane	n-Hexane	o-Xylene	Propylene	Styrene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Total VOCs
INDOOR / OUTDOOR AIR SAMPLES																									
				Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
				Residential VAL	100	--	--	73	11	100	630	0.83	420	730	100	3100	1000	42	2100	5200	42	2.1	--	1.7	--
205/ 205A Linwood Terrace	OA-2	Outdoor	6/28/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.53	NA	NA	<0.63	<0.43	NA	<0.20	0
	OA-02B		7/27/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.53	NA	NA	<0.63	<0.43	NA	<0.20	0
	IA-04	Basement	6/28/2012	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.4	NA	NA	<1.6	**11.2**	NA	<0.53	11.2
	IA-04B		7/27/2012	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	<0.58	0.83	NA	<0.19	0.83
	IA-07		4/25/2014	Yes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.99	NA	NA	<1.2	<0.79	NA	<0.37	0
	IA-05	1st Floor	6/28/2012	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.3	NA	NA	<2.7	**4.0**	NA	<0.88	4
	IA-05B		7/27/2012	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	<0.58	<0.39	NA	<0.19	0
	IA-06	2nd Floor	6/28/2012	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.47	NA	NA	<0.56	**4.7**	NA	<0.18	4.7
	IA-06B		7/27/2012	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	NA	NA	<0.58	<0.39	NA	<0.19	0
213/215 Linwood Terrace	BOA-01	Outdoor	6/30/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	NA	<0.15	0
	IA-01	Basement	6/30/2020	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.32	NA	<0.15	0
	IA-02	1st Floor	6/30/2020	No	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.33	NA	<0.15	0
225 Linwood Terrace	OA-1	Outdoor	4/14/2021	NA	2.3	<0.29	588	0.57J	0.52J	1.9J	<0.87	<3.2	1.6	5.2	0.57J	<0.19	0.60J	2.1	<0.26	5.1	<0.25	<0.29	1.5J	<0.13	655.09
	IA-B-225 Linwood	Basement	4/14/2021	No	2.4	<0.31	987	4.6	<0.47	<0.98	<0.90	<3.3	0.49J	<0.29	<0.41	<0.20	0.88J	0.55J	0.40J	2.3	<0.26	<0.30	1.3J	<0.13	6831.08
			10/20/2022	No	2.0	<0.35	544	4.3	1.5	4.9	<0.18	**3.5 J**	1.9	<0.34	1.5	<0.52	<0.61	<0.36	27.2	6.8	<0.46	<0.35	1.4 J	<0.14	996.3
			1/12/2023	No	2.6	<0.36	863	0.96 J	0.78 J	2.2 J	0.44 J	**3.7 J**	<0.19	1.7	0.61 J	<0.53	<0.62	<0.37	<0.28	2.6	<0.62	<0.36	1.3 J	<0.14	919.16
	IA-G-225 Linwood	Ground Floor	4/14/2021	No	2.5	<0.31	2500	11.6	<0.48	1.2J	<0.92	<3.4	0.60J	<0.30	0.58J	<0.20	0.80J	0.53J	<0.28	1.9	<0.26	<0.30	1.6J	<0.13	6015.72
			10/20/2022	No	2.2	<0.36	1580	13.8	1.1 J	2.9	<0.19	**3.4 J**	1.4	<0.35	1.0 J	<0.53	<0.62	0.51 J	<0.28	4.3	<0.47	<0.36	1.6 J	<0.14	2090.52
			1/12/2023	No	2.2	<0.38	1480	6.4	0.77 J	2.0 J	0.41 J	**3.8 J**	<0.20	1.8	0.55 J	<0.55	0.70 J	0.52 J	<0.29	2.4	<0.64	<0.37	1.3 J	<0.15	1569.61

Table 2. Summary of Residential Properties Indoor Air and Sub-Slab Soil Gas Samples VOCs Analytical Results, City of West Bend Former Gehl Co. TIF District #12 Site

Property Address	Sample ID	Date Sampled	Mitigation	1,1,1-Trichloroethane	1,1,2-Trichlorotrifluoroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	2-Propanol	4-Ethyltoluene	Acetone	Benzene	Bromodichloromethane	Carbon disulfide	Chloroform	Chloromethane	Cyclohexane	Dichlorodifluoromethane	Ethanol	Ethyl acetate	Ethylbenzene	m&p-Xylene	Methylene Chloride	Naphthalene	n-Heptane
SUB-SLAB SOIL GAS SAMPLES																														
			Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
			Residential VRSL	170000	170000	600	7000	2100	2100	--	87	170000	1000	7000	--	1100000	120	25	24000	40	3100	33000	3000	--	2400	370	3300	21000	28	14000
202	SG-202	4/28/2021	No	23.8	0.81 J	<0.29	<0.24	4.2	1.6 J	2.8 J	<1.5	2.9 J	1.7 J	6.4	2.2 J	8.3 J	0.38 J	<0.41	<0.23	<0.32	<0.15	<0.39	2.1	17.9	<0.23	1.7	7.2	<1.0	<3.8	0.63 J
South	South	10/20/2022	No	3.4	0.93 J	<0.19	<0.29	1.2 J	1.5 J	<1.4	<1.4	3.8 J	<1.2	3.9 J	1.3 J	16.3	0.57	<0.56	<0.41	<0.23	<0.15	<0.23	2.5	13.2	<0.28	0.45 J	1.7 J	<0.22	3.8 J	0.49 J
Street		1/24/2023	No	3.3	0.78 J	<0.19	<0.29	1.6 J	<0.48	<1.4	2.5 J	0.68 J	<1.2	<1.7	<0.71	8.8 J	0.46 J	<0.56	<0.41	<0.23	<0.15	<0.23	2.3	7.3	<0.28	0.83 J	2.7 J	<0.22	6.0	<0.23
208	SG-208	10/14/2021	No	3.1	1.8 J	<0.29	<0.24	4.8	1.5 J	1.1 J	<1.5	2.5 J	1.1 J	11.9	2.1 J	14.2	0.69	<0.41	0.36 J	<0.32	0.52 J	0.57 J	3.1	52.8	<0.23	2.8	10.1	<1.0	<3.8	<0.32
South	South	2/23/2022	No	5.4	0.52 J	<0.30	<0.25	1.7 J	<0.52	<0.91	<1.6	2.7 J	0.96 J	3.1 J	<0.84	9.3 J	<0.20	<0.42	<0.23	<0.33	<0.15	<0.40	2.1	11.5	<0.23	0.90 J	2.5 J	<1.1	<3.9	<0.32
Street		11/4/2022	No	2.2	<0.43	<0.20	<0.31	3.3 J	<0.51	<1.5	<1.5	0.93 J	<1.3	<1.8	<0.76	16.0	0.51 J	<0.60	<0.44	<0.25	0.22 J	<0.25	2.1	13.4	<0.30	0.60 J	1.7 J	<0.23	5.1	<0.24
209	VP-209	4/14/2021	No	1400	0.60J	46.9	23.8	2.8	1.1J	<0.98	<1.7	1.3J	<0.85	2.8J	1.3J	7.2J	0.61J	<0.46	0.62J	1.1	<0.16	0.58J	2.6	15.8	0.76J	2.1	6.6	<1.1	<4.2	0.56J
South	SG-209	10/20/2022	No	68.2	0.77 J	0.23 J	0.29 J	1.1 J	1.1 J	<1.4	<1.4	2.0 J	<1.2	5.9	1.3 J	9.9 J	0.42 J	<0.56	<0.41	1.5	0.39 J	<0.23	2.6	12.0	<0.28	0.47 J	1.6 J	<0.22	<3.7	0.26 J
Street	South	1/24/2023	No	39.3	0.46 J	<0.19	<0.29	1.7 J	<0.49	<1.5	2.9 J	1.2 J	<1.2	<1.7	<0.73	10.8	0.31 J	<0.57	<0.42	<0.24	<0.16	<0.24	<0.92	18.5	<0.29	0.93 J	2.9 J	0.33 J	6.1	<0.23
204	SG-01	5/17/2012	No	41.8	NA	<3.5	<3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Linwood Ter.	SG-204	11/9/2021	No	11900	<0.51	227	134	4.7	1.7 J	<0.89	<1.5	<0.81	<0.77	2.6 J	<0.83	4.5 J	1.6	0.46 J	0.27 J	6.5	<0.15	2.3 J	<0.33	14.4	<0.23	2.4	8.4	1.2 J	4.9	<0.32
213/215	SG-02*	9/28/2012	No	22.0	NA	<0.79	<0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Linwood Ter.																														
225	VP-225	4/14/2021	No	458	1.4J	25.5	1.2J	3.7	1.4J	1.0J	<1.7	3.3J	2.6J	9.3	1.7J	42.4	2.2	<0.46	0.92J	1.1	0.42J	<0.43	2.3	31.3	1.5	3.9	11.8	<1.2	<4.3	1.6J
Linwood	SG-225	10/20/2022	No	93.8	1.1 J	0.73 J	0.45 J	1.5 J	1.9	<1.5	<1.5	1.7 J	<1.2	3.6 J	1.4 J	8.3 J	0.64	<0.57	<0.42	34.7	0.31 J	<0.24	2.5	7.9	<0.29	0.61 J	2.0 J	<0.22	3.9 J	0.30 J
Linwood Ter.	SG-225	1/12/2023	No	99.9	<0.42	1.3 J	<0.30	1.8 J	0.89 J	<1.5	2.7 J	2.0 J	<1.3	<1.8	1.3 J	16.3	0.85	<0.59	<0.43	13.6	0.17 J	<0.25	2.3	40.3	<0.29	0.97 J	2.7 J	<0.23	4.7 J	<0.24

Table 2. Summary of Residential Properties Indoor Air and Sub-Slab Soil Gas Samples VOCs Analytical Results, City of West Bend Former Gehl Co. TIF District #12 Site

Property Address	Sample ID	Date Sampled	Mitigation	n-Hexane	o-Xylene	Styrene	Tetrachloroethene	Tetrahydrofuran	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Total VOCs
SUB-SLAB SOIL GAS SAMPLES														
			Units	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
			Residential VRSL	24000	3300	33000	1400	70000	170000	1400	70	--	57	--
202 South Street	SG-202 South	4/28/2021	No	<0.33	2.4	2.4	2.8	<0.32	2.9	<0.29	11.0	1.7 J	<0.15	107.82
		10/20/2022	No	<0.41	0.77 J	7.6	1.1 J	<0.33	1.1 J	<0.55	3.7	1.6 J	<0.17	70.91
		1/24/2023	No	<0.41	1.1 J	2.5	0.58 J	<0.33	0.73 J	<0.73	3.2	1.5 J	<0.17	46.86
208 South Street	SG-208 South	10/14/2021	No	0.35 J	3.7	3.3	1.6	<0.32	8.4	<0.29	1.1 J	1.6 J	<0.15	136.37
		2/23/2022	No	<0.34	0.95 J	1.2 J	2.6	<0.32	2.1	<0.30	0.67 J	1.0 J	<0.16	49.2
		11/4/2022	No	<0.43	0.73 J	9.3	<0.46	<0.35	1.1 J	<0.59	<0.45	1.1 J	<0.18	58.29
209 South Street	VP-209	4/14/2021	No	<0.37	2.3	2.3	6.6	<0.35	4.2	<0.32	45.2	1.8J	<0.17	1580.91
	SG-209 South	10/20/2022	No	<0.41	0.76 J	9.0	3.0	<0.33	1.3 J	<0.55	8.0	1.6 J	<0.17	133.69
		1/24/2023	No	<0.42	1.2 J	3.0	1.8	<0.33	1.2 J	<0.74	4.9	1.6 J	<0.17	99.62
204 Linwood Ter.	SG-01	5/17/2012	No	NA	NA	NA	<5.8	NA	NA	<3.4	<4.6	NA	<2.2	41.8
	SG-204	11/9/2021	No	0.85 J	3.1	2.9	16.9	<0.32	5.0	5.9	**1650**	6.1	0.42 J	14008.1
213/215 Linwood Ter.	SG-02*	9/28/2012	No	NA	NA	NA	2.5	NA	NA	<0.77	4.8	NA	<0.25	29.3
225 Linwood Linwood Ter.	VP-225	4/14/2021	No	<0.37	4.1	3.6	8.3	0.55J	10.7	<0.33	28.3	1.4J	<0.17	666.89
	SG-225	10/20/2022	No	<0.42	1.1 J	16.1	3.9	<0.33	1.6	<0.57	23.1	1.8 J	<0.17	215.8
	SG-225	1/12/2023	No	<0.42	0.81 J	3.1	2.0	<0.34	1.1 J	<0.76	12.6	1.2 J	<0.18	212.59

Table 2. Summary of Residential Properties Indoor Air and Sub-Slab Soil Gas Samples VOCs Analytical Results, City of West Bend Former Gehl Co. TIF District #12 Site

Notes:
IA-B: Basement Indoor Air sample.
IA-G: Ground Floor Indoor Air sample.
OA: Outdoor Air sample.
SG: Soil gas sample.
VP: Soil Gas sample.
202 South Street = Property address

ug/m3: micrograms per cubic meter
VOCs: Volatile Organic Compounds
VAL: WDNR Residential Vapor Action Level
VRSL: WDNR Residential Vapor Risk Screening Level
NA: Not Applicable / Parameter Not Analyzed.
-- : Inhalation toxicity values are not available from U.S. EPA.
VALs apply to Indoor Air (IA designation) samples.
VRSLs apply to Soil Gas (VP/SG designation) samples.

Bold and highlighted values exceed the parameter's VAL or VRSL.
Only detected VOCs are listed. See laboratory analytical reports for complete list of VOCs analyzed.

J: Estimated concentratoin at or above the detection limit and below the quantitation limit.

* - Sub-slab soil gas sample collected from the sealed sump pump basin in the basement of the house.