KSingh | Engineers Scientists Consultants

LETTER OF TRANSMITTAL

DATE	:	September 22, 2021
TO	:	Ms. Jennifer Dorman Wisconsin Department of Natural Resources Remediation and Redevelopment / Waste and Materials Management 1027 W. St. Paul Ave. Milwaukee, WI 53233
FROM	:	Daniel K. Pelczar, CPG, P.G. | Senior Geologist
SUBJECT	:	Site Investigation Report Community Within the Corridor Limited Partnership - West Block 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210 BRRTS #: 02-41-587376, FID #: 341333190
COPY TO	:	File (40443); Mr. Shane LaFave / Roers Companies, LLC; and Mr. Que El-Amin / Scott Crawford, Inc.

We are:

☐ Attaching ☒ Submitting ☐ As Requested

Copies	Date	Description
1	09/22/2021	Site Investigation Report (submitted electronically)
1	09/22/2021	$1,050.00 Check WDNR Review Fee (FedEx Mail)

Transmitted For Your:

☐ Information/Records ☒ Review ☒ Approval
☐ Action (Signature/Date) ☐ Revision/Resubmittal ☐ Distribution

Remarks:

Should you have any questions regarding this submittal or require any additional information, please feel free to contact me via email at dpelczar@ksinghengineering.com or telephone at (262) 821-1171, ext. 112. We look forward to working with you on this project!

KSingh | Engineers Scientists Consultants

3636 N. 124th Street
Wauwatosa, WI 53222

Site Investigation Report
Community within the Corridor Limited Partnership - West Block
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190

Submitted To:
Ms. Jennifer Dorman
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Drive
Milwaukee WI, 53212

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September 22, 2021

Ms. Jennifer Dorman
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Drive
Milwaukee, WI, 53212

Project # 40443

Subject: **Site Investigation Report**
Community within the Corridor Limited Partnership - West Block
3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190

Dear Ms. Dorman:

Enclosed please find a copy of the Site Investigation Report, which K. Singh & Associates, Inc. has prepared for the referenced property. The site investigation was performed in accordance with the work plan prepared on March 31, 2021, and in accordance with Wisconsin Administrative Code NR 716.

We request that WDNR review and approve this Site Investigation Report. Please find included with this report the appropriate review fees.

If we can be of further assistance in discussing this report with you, please contact us.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Daniel K. Pelczar, CPG, P.G.
Senior Geologist

Robert T. Reineke, P.E.
Project Manager

Pratap N. Singh, Ph.D., P.E
Principal Engineer

cc: Mr. Shane LaFave / Roers Companies, LLC
Mr. Que El-Amin / Scott Crawford, Inc.

SITE INVESTIGATION REPORT
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP - WEST BLOCK
3212 W. CENTER ST., 2727 S. 32ND ST., AND 2758 N. 33RD ST.
MILWAUKEE, WI 53210
BRRTS #: 02-41-587376, FID #: 341333190

SEPTEMBER 22, 2021

PREPARED BY

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PREPARED FOR

ROERS COMPANIES, LLC
ATTN: MR. SHANE LAFAVE
110 CHESHIRE LANE, SUITE 120
MINNETONKA, MN 55305

PROJECT #40443

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EXECUTIVE SUMMARY

The subject property is owned by Community within the Corridor Limited Partnership, LLC (BRRTS #02-41-587376), is located at 3212 W. Center Street, 2727 N. 32nd Street, and 2758 N. 33rd Street (collectively known as the West Block), City of Milwaukee, Milwaukee County, Wisconsin.

The three parcels total approximately 2.83 acres and are all zoned as IM – Industrial Mixed. The subject property is covered by one- to three-story buildings. Historically, the West Block of the facility served various industrial purposes for over 100 years. The West Block building complex was recently vacant and is currently under construction for redevelopment which started in February 2021, which entails affordable housing, commercial space, and other amenities within the former industrial complex. The property is in the Southwest ¼, of the Northeast ¼, of Section 13, Township 7 North, Range 22 East, and the elevation of the site ranges between 700 to 710 feet mean sea level (MSL). The overall topography of the site area slopes gradually to the east.

Project Background

The site investigation of the subject property identified a release of Chlorinated Volatile Organic Hydrocarbons (CVOCs), and Polychlorinated Biphenyl's (PCBs). The soil contamination is associated with the historical use of portions of the building complex for paint spray booths and paint storage. The paint spray booths and the paint storage areas correspond to the detections of chlorinated solvents. Paint thinners used on the premises are the likely sources of chlorinated solvent contamination. In regards to the PCB contaminated soil the source is associated with the industrial use of the site.

On March 24, 2021, a Notification of Hazardous Substance Discharge was sent to Community within the Corridor Limited Partnership, LLC. The WDNR issued a Responsible Party letter for 3212 W. Center Street, 2727 N. 32nd Street, and 2758 N. 33rd Street on March 29, 2021, and assigned the property BRRTS #02-41-587376. K. Singh & Associates, Inc. (KSingh) were hired as the environmental consultant.

KSingh was retained to complete a NR 716 Site Investigation (SI). A Site Investigation Work Plan (SIWP) was prepared and submitted to the Wisconsin Department of Natural Resources (WDNR) on March 31, 2021. KSingh's SI work commenced on March 1, 2021.

Field Investigation

As a part of the SI, KSingh performed investigative activities both inside the buildings and on the exterior of the buildings for the West Block portion of the project.

<u>Interior Investigation Activities</u>
The interior investigation activities consisted of advancing three soil probes (WB-B-18 through WB-B-20), and 28 hand augers (WB-SS-2, WB-SS-6, WB-SS-8, WB-SS-12, and WB-SS-14; WB-Int-1 through WB-Int-17, and WB-RST-1 through WB-RST-6). In addition, there were 25 sub-slab vapor sample collected (WB-SS-1 through WB-SS-25).

<u>Exterior Investigation Activities</u>
The exterior investigation activities consisted of advancing eight soil probes (B-1 through B-6, WB-B-16, and WB-B-17), three hand augers (B-13, through B-15) and five groundwater monitoring wells WB-B-1

through WB-B-5). The groundwater monitoring wells were sampled once during this SI, and they are planned to be sampled again in December 2021.

Description of Site Investigation Results

Subsurface Soil and Groundwater Conditions

Subsurface conditions described based on data obtained from the previous Phase II ESA data plus KSingh's current SI are summarized as follows:

- Six connected buildings, and concrete and unpaved gravel parking areas are present on the subject site. Landscaped areas are covered with topsoil.
- Beneath the concrete, gravel and topsoil surfaces and/or fill are light brown, brown, grayish brown to dark grayish brown; silty clays to sandy clays; moist, with some / little / few sands and gravel. Some organics were noted in B-3 (0.5 to 4.5 feet) and B-19 (1 to 1.5 feet).
- Within the silty clays and sandy clays were lenses to layers of light brown to dark yellowish brown, sand.
- No bedrock was encountered at the subject site (the maximum depth explored was 27 feet bgs); however, bedrock was encountered at approximately 32 feet on the East Block.
- Groundwater was observed in four of the five monitoring wells between 17 and 27 feet bgs during the June 30, 2021, and July 29, 2021, sampling events.
- Groundwater flows to the southeast at a flow rate range of approximately less than one foot to 5 feet per year.

Soil Quality Test Results

<u>Soil Sampling Inside the Building</u>

- Soil samples were collected on the interior of the buildings for a total of 31 samples. Soil samples were analyzed for VOCs, and a combination of PAHs, PCBs, and Metals. The main contaminants of concern include Chlorinated VOCs (CVOCs) and PCBs with minor petroleum detects.
- Soil contamination with respect to chlorinated VOCs (PCE, TCE, 1,2-DCB, and 1,4-DCB) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the central portion (Building 7), southern portion (Building 4) and below the northern basement area (Building 8A) of the building complex. The exception is 1,4-DCB which exceeded the non-industrial direct contact exposure pathway below the northern basement area (Building 8A). The northern basement area housed the former boiler for the building. Soil probe WB-B-18 (7 to 8 feet) had no VOC detects and the CVOC impacts are delineated.
- Soil contamination with respect to benzene greater than the NR 720 RCLs for groundwater protection appear to be located below the southern buildings slab on grade floor (Building 4). Soil probe WB-B-20 is within the area of the benzene detects which had no VOCs detected at 8 to 9 feet and is delineated.
- Soil contamination with respect to PCBs (1242, 1248, 1254, and 1260) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the northwestern portion (Building 8A) and southern portion (Building 4) of the building complex. The exceptions are PCBs (1254 and 1248) which exceeded the non-industrial direct contact exposure pathway and PCBs (1254) which exceeded the industrial direct contact exposure pathway. These were located in the eastern half of building 4 and in building 8A and are delineated to within the building only and are interpreted to be less than four feet deep due to its high viscosity.

Soil Sampling Outside the Building

- Soil samples were collected on the exterior of the buildings for a total of 23 samples. Soil samples were analyzed for VOCs, and a combination of PAHs, PCBs, Metals and PFAS.
- Soil contamination with respect to PCB (1260) greater than the NR 720 RCLs for groundwater protection appear to be located only at WB-MW-3 which is located within the gravel parking lot on the east central side of the West Block.
- VOCs, PAHs, and Metals were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs and/or background threshold values for metals. Soil contamination outside the building is delineated with the exception of PCBs noted in the gravel parking lot.
- Three soil samples were tested for PFAS and were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs for PFOA and PFOS.

Groundwater Quality Test Results

- Of the first groundwater sampling VOCs analysis vinyl chloride was detected (0.29 J ug/kg) just above NR 140 ES standard (0.20 ug/kg) in MW-4 which is located within the gravel parking lot on the east central side of the West Block.
- The groundwater is not impacted with VOCs with the exception of vinyl chloride at MW-4 which is near its detection level.

Sub-Slab Vapor Test Results

- The sub-slab vapors exceed the Vapor Risk Screening Levels (VRSLs) for residential structures for PCE and TCE in Building 7 (one point exceeding the small commercial/industrial scenario for PCE); TCE in building 8A; 1,4-Dioxane [used as a stabilizer for chlorinated solvents such as trichloroethane (TCA) and TCE] in Building 8B. With the 25 sub-slab vapor points inside the building the horizontal extent of contamination has been defined.
- Recent sampling of sub-slab vapors indicates VRSLs exceedances for TCE in Building 4 for residential structures with one point exceeding the small commercial/industrial scenario for TCE.
- No indoor or outdoor air sampling was performed since the windows were out or boarded up at the time of sub-slab vapor sampling was performed. Indoor and outdoor air sampling will be performed during commissioning of the planned vapor mitigation system.

Utility Test Results

- There are no exceedances of Residential Vapor Action Levels (VALs) in the sewer cleanouts in building 4 and 7, N. 33rd St. manhole, or indoor air for the tunnel building 6, with the exception of naphthalene. Naphthalene was just above the Residential VAL in all four samples. Naphthalene uses include dyes, synthetic tanning and textile chemicals which may have been caused from prior activities at the site.

Conclusions

- Beneath the concrete, gravel and topsoil surfaces and/or fill are light brown, brown, grayish brown to dark grayish brown; silty clays to sandy clays; moist, with some / little / few sands and gravel.
- Within the silty clays and sandy clays were lenses to layers of light brown to dark yellowish brown, sand.

- No bedrock was encountered at the subject site (the maximum depth explored was 27 feet bgs) however, bedrock was encountered at approximately 32 feet on the East Block.
- Groundwater flows to the southeast at a flow rate of approximately less than one foot to 5 feet per year.
- Soil contamination with respect to chlorinated VOCs (PCE, TCE, 1,2-DCB, and 1,4-DCB) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the central portion (Building 7), southern portion (Building 4) and below the northern basement area (Building 8A) of the complex of buildings. The exception is 1,4-DCB which exceeded the non-industrial direct contact exposure pathway below the northern basement area (Building 8A). CVOC impacts appear to be approximately five feet deep or shallower within the three buildings based on deeper soil samples.
- Soil contamination with respect to benzene greater than the NR 720 RCLs for groundwater protection appear to be located below the southern buildings slab on grade floor (Building 4). Benzene impacts appear to be approximately five feet deep or shallower within the building based on deeper soil samples.
- Soil contamination with respect to PCBs (1242, 1248, 1254, and 1260) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the northwestern portion (Building 8A) and southern portion (Building 4) of the building complex. The exceptions are PCBs (1254 and 1248) which exceeded the non-industrial direct contact exposure pathway and PCBs (1254) which exceeded the industrial direct contact exposure pathway. These were located in the eastern half of building 4 and in building 8A which are likely from the former industrial operations.
- Exterior soil contamination with respect to PCB (1260) was detected within the gravel parking lot on the east central side of the West Block. Of the exterior soil samples VOCs, PAHs, metals and Per- and Polyfluoroalkyl Substances (PFAS) were either not detected above the laboratory's method detection limits or were detected below State standards.
- Low levels of vinyl chloride were detected just above NR 140 ES standards in MW-4 which is located within the gravel parking lot on the east central side of the West Block.
- Groundwater contamination has not migrated off-site.
- The sub-slab vapors exceed the VRSLs for residential structures for PCE and TCE in Building 7; TCE in building 8A; and 1,4-Dioxane in Building 8B. Sub-slab vapors exceed the VRSLs for small commercial structures for PCE and TCE in Buildings 7 and 8A, respectively. There were no exceedances above the large commercial/industrial scenario. With the 25 sub-slab vapor points inside the building the horizontal extent of sub-slab vapor impacts has been defined.
- Recent sampling of sub-slab vapors indicates VRSLs exceedances for TCE in Building 4 for residential structures with one point exceeding the small commercial/industrial scenario for TCE.
- Due to the shallow contamination of CVOCs within the building a vapor mitigation system is needed.
- There are no exceedances of Residential Vapor Action Levels (VALs) in the sewer cleanouts in building 4 and 7, N. 33rd St. manhole, or indoor air for the tunnel building 6, with the exception of naphthalene. Naphthalene was just above the Residential VAL in all four samples. Naphthalene uses include dyes, synthetic tanning and textile chemicals which may have been caused from prior activities at the site.
- Drain tiles at the subject site are not impacted due to the tiles being above the water table.

- Soil impacted areas have been delineated to within the building's footprint for CVOCs, PCBs and 1,4-dioxane as well as CVOCs for sub-slab vapor intrusion. In addition, an isolated impacted area at MW-3 had PCBs over state regulatory levels.
- The groundwater plume (vinyl chloride) appears to be delineated to the area of MW-4.
- During construction work a UST was partially unearthed located to the north of building 8A which may have supported the old boiler located in the basement of that building. This UST will be removed latter this year and documented in a separate report.

Recommendations

- Remove one UST and perform a UST site assessment.
- Perform one additional groundwater sampling event for VOCs and PCBs.
- Arrange for proper disposal of drums containing well development/purge water.
- Perform hot spot excavation within the building and install a sub-slab depressurization system.
- Properly abandon old sewer connections and the underground tunnel.

SITE INVESTIGATION REPORT – NR 712.09 CERTIFICATIONS
Community within the Corridor Limited Partnership - West Block
September 22, 2021

I, Daniel K. Pelczar, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, the information contained in this document is correct and the document was prepared in compliance with applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature

Senior Geologist
Title

I, Robert Reineke, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature

Project Manager
Title

SECTION I. INTRODUCTION AND BACKGROUND INFORMATION

1.1 Introduction

On behalf of Community within the Corridor Limited Partnership, K. Singh & Associates, Inc. (KSingh) was retained to conduct a site investigation for the property located at 3212 W. Center Street, 2727 N. 32nd Street, and 2758 N. 33rd Street (collectively known as the Community within the Corridor - West Block), City of Milwaukee, Milwaukee County, Wisconsin.

This report documents and discusses the soil, groundwater, and vapor investigation activities conducted at the site; provides an interpretation of data collected relative to State of Wisconsin rules and regulations; and presents remedial strategies to address subsurface impacts in conjunction with the site redevelopment. KSingh's site investigation activities were performed in accordance with the Wisconsin regulations at the time of the report, specifically Wisconsin Administrative Code (WAC) Chapters NR 700 through NR 726, NR 140, and NR 141.

1.2 Project Description and Location

The subject property is owned by Community within the Corridor Limited Partnership (BRRTS #02-41-587376), is located at 3212 W. Center Street, 2727 N. 32nd Street, and 2758 N. 33rd Street, City of Milwaukee, Milwaukee County, Wisconsin. The three parcels total approximately 2.83 acres and are all zoned as IM – Industrial Mixed (1 and 2). The subject property is covered by one- to three-story buildings. Historically, the West Block of the facility served various industrial purposes for over 100 years (since 1920). The West Block building complex was recently vacant and is currently under construction for redevelopment which started in February 2021, which entails affordable housing, commercial space, and other amenities within the former industrial complex. The property is in the Southwest ¼, of the Northeast ¼, of Section 13, Township 7 North, Range 22 East, and the elevation of the site ranges between 700 to 710 feet mean sea level. The overall topography of the site area slopes gradually to the east-southeast. The site location map is presented on Figure 1.

The affected properties: 1. 2758 N. 33rd Street, 2. 2727 N. 32nd Street and, 3. 3212 W. Center Street, have the following WTM Coordinates and/or addresses/parcel numbers:

1. WTMX 686,526
   WTMY 290,490
   2758 N. 33rd Street
   Parcel Number: 3090503000

2. 2727 N. 32nd Street
   Parcel Number: 3090502000

3. 3212 W. Center Street
   Parcel Number: 3091208000

An aerial view with utility locations is shown on Figure 2. A copy of the affected property most recent deed is included in Appendix A.

1.3 Responsible Party Information

Project contact information is as follows:
Community within the Corridor Limited Partnership, LLC
Attn: Mr. Shane LaFave
110 Cheshire Lane, Suite 120
Minnetonka, MN 55305
Office: (763) 285-8795
Cell Phone: (763) 300-1861
shane@roerscompanies.com

1.4 Consultant Information

The project manager for the site investigation is:
Mr. Daniel K. Pelczar, CPG, P.G.
K. Singh & Associates, Inc.
3636 North 124th Street
Wauwatosa, WI 53222
(262) 821-1171 ext. 112
dpelczar@ksinghengineering.com

1.5 Site History

The former Briggs and Stratton Industrial Complex has a long history which was documented in a historic preservation certification application (3) which is provided as Appendix B. The current parking lot on the east side of the West Block was purchased by Briggs and Stratton in 1948. Sanborn maps and aerials indicate that no development has ever taken place on the parking lot parcel. See Figure 2 for a listing of building numbers listed below.

Building 4, located on the south end of the West Block, at 3212 Center Street, was purchased by Briggs and Stratton from the Harley Davidson Motor Company in 1950 for use as a service and distribution warehouse for stocking, packaging, and shipping replacement parts. It was originally built in 1920 for the Columbia Knitting and Manufacturing Company and was sold to Holeproof Hosiery Company in 1926. Harley Davidson purchased the property in 1942 and sold it in 1950. The primary use of the building was for textiles and warehousing and no potential sources of contamination were identified.

Building 5 was built by Briggs and Stratton in 1946 for trucking and distribution. No known source of potential contamination is associated with Building 5. Buildings 4 and 5 were connected to the rest of the complex in 1972.

In summary, given its historic use, no known sources of contamination are associated with Buildings 4 and 5. This is consistent with the results which have identified little contamination in buildings 4 and 5. Small spills are the likely sources of the contamination detected in building 4 and 5.

Buildings 6, 7, 8A, & 8B were purchased in September 1972 from Milsco Manufacturing Company. Briggs and Stratton principally used the space for warehousing and office space.

Buildings 8A and 8B were originally built in 1925 by the Albert H. Weinbrenner Shoe Company. A two-story addition was constructed in 1930. In 1942, the building was sold to Milwaukee Saddlery Company who principally were manufacturing seats and accessories for Harley Davidson Motorcycle Company. Milwaukee Saddlery reincorporated as Milsco Manufacturing Company in 1948 and expanded the building to the south, including Building 7. An addition, building 6, was constructed in 1956 for distribution. An office addition was constructed to the west of building 8A in 1959.

Building 6 and the western office addition contained no known sources of potential contamination.

Paint spray booths are shown in building 8A, and paint storage is shown in Building 7 based on Sanborn Fire Insurance Maps. The paint spray booths and the paint storage areas correspond to the detections of chlorinated solvents in buildings 7 and 8A. Paint thinners used on the premises are the likely sources of contamination in the West Block primarily in Buildings 7 and 8A. The basement of building 8A housed the former boiler.

KSingh previously prepared the following environmental documents:

- Phase I Environmental Site Assessment, Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated March 10, 2020 (4);

- Phase II Environmental Site Assessment for Community Within the Corridor, located at 2748 N 32nd Street, 3212 West Center Street, 2727 N 32nd Street, 2758 N 33rd Street, 2784 N 32nd Street, Milwaukee, Milwaukee County, Wisconsin prepared by K. Singh & Associates, Inc., May 24, 2020 (5);

- West Block Sub-Slab Vapor and Soil Investigation for Community Within the Corridor Limited Partnership, 3212 West Center Street, 2727 N. 32nd Street, 2758 N. 33rd Street in Milwaukee, WI prepared by K. Singh & Associates, Inc., March 18, 2021 (6);

- Notification for Hazardous Substance Discharge (Non-Emergency Only), Form 4400-225 (R 02/20) prepared by K. Singh & Associates, Inc., March 24, 2021 (7).

- Site Investigation Work Plan, Community Within the Corridor Limited Partnership - West Block 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI prepared by K. Singh & Associates, Inc., March 31, 2021 (8);

- Pressure Field Extension Testing and Vapor Mitigation System Feasibility Study, Community Within the Corridor – West Block, 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI, prepared by K. Singh & Associates, Inc., April 27, 2021 (9);

- Soil Quality Memorandum, Community Within the Corridor – West Block, 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI, prepared by K. Singh & Associates, Inc., June 15, 2021 (10);

- Proposed Modification of Remedial Action Plan / Vapor Mitigation System for Community Within the Corridor – West Block, 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI prepared by K. Singh & Associates, Inc., June 15, 2021 (11);

- Additional Subslab Vapor Sampling and Proposed Modification of Remedial Action Plan / Vapor Mitigation System for Community Within the Corridor – West Block 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210 prepared by K. Singh & Associates, Inc., September 13, 2021 (12);

The WDNR issued a Responsible Party letter for 3212 W. Center Street, 2727 N. 32nd Street, and 2758 N. 33rd Street on March 29, 2021, and assigned the property BRRTS #02-41-587376. The RP letter and other WDNR correspondences are provided as Appendix C.

During construction work a UST was partially unearthed located to the north of building 8A which may have supported the old boiler located in the basement of that building. This UST will be removed latter this year and is shown on Figure 3. The removal will be documented in a separate report.

SECTION II. SITE CHARARCTERIZATION AND RECEPTORS

2.1 Climate and Methodology

In the Milwaukee area, the average annual precipitation is approximately 34.4 inches, seasonal influence can change the monthly precipitation average (13). From January to June the average monthly precipitation ranged between 0.80 inches to 2.38 inches and the average annual snowfall can be approximate near 47 inches, with monthly variation from zero inches during the summer months to 15 inches in January. The annual low-temperature average is 39.9°F, and the annual high-temperature average is 55.5°F, resulting in an annual average temperature of 47.7°F for the Milwaukee area. In Milwaukee, the lowest recorded temperature was -26.1°F in February of 1996 and the highest recorded temperature was 105°F in July of 1934 (13).

The prevailing wind direction of the region is from the southwest. Information on temperature and precipitation was obtained from database maintained by Wisconsin State Climatology Office (13).

2.2 Topographic and Surface Water Drainage

The elevation of the subject site ranges from 700 to 710 feet mean sea level (MSL). The overall topography of the site area slopes gradually to the east. Surface water runs off the surficial pavement and collects in storm sewers off-site along W. Hadley St., N. 32 St., W Center St., and N. 33rd St.

2.3 Regional Geology

The geologic materials that control the movement and storage of groundwater in Milwaukee County range from basement rocks of Precambrian age to unconsolidated glacial deposits, alluvium, and soils of Pleistocene and Holocene ages. Bedrock is overlain by glacial drift throughout the county. These deposits are underlain by Cambrian Sandstones and Ordovician dolomites throughout the rest of the county (14). A description of the bedrock (consolidated) and quaternary (unconsolidated) geology is outlined below.

2.3.1 Geology of Consolidated Sediments

The bedrock, from oldest to youngest, includes Precambrian crystalline rocks, Cambrian sandstone, Ordovician dolomite, sandstone, and shale. The regional Paleozoic formations include dolomite, limestone, shale, and sandstone, ranging from the Cambrian Period to the Devonian Period. The sediments are composed of sand, silt, and clay transported from adjacent land areas and formed by chemical and biological activity in the sea. The bedrock, from oldest to youngest, includes Precambrian crystalline rocks, Cambrian sandstone, Ordovician dolomite, sandstone, and sale. As evident in other areas of Wisconsin, Silurian and Devonian age dolomite and shale deposits were probably present but have since eroded away. All the rocks in the unit are reported to dip gently to the east forming the central part of an eastward plunging arch (14).

The bedrock formations underlying the unconsolidated surface deposits of Milwaukee County consist of Niagara Dolomite which is Silurian in age. Underneath the Niagara formation is the Maquoketa shale, the Platteville, the Decorah, and the Galena formation which are primarily limestone and dolomite (14). The topography in Milwaukee County has a uniformed dip towards the east.

Cambrian Sandstone overlies the Precambrian rocks and is present under the entire region. Recent and Pleistocene drainage has eroded into these sandstones in many parts of the county. The ability of Cambrian Sandstone to store and yield water and its great thickness make it an important source of water (14). The Prairie du Chien Group directly overlies Cambrian age sandstones and is composed mainly of dense dolomite. St. Peter Sandstone in Milwaukee County is composed mainly of sandstone, siltstone and shale. These rocks yield small to moderate supplies of water. The Prairie du Chien and St. Peter Sandstone are the most important water yielding Ordovician rocks.

2.3.2 Geology of Unconsolidated Sediments

The region was covered by four major continental ice sheets which advanced into the Great Lakes area during the Pleistocene Epoch. The predominant lithology is an unsorted mixture ranging in size from clay to large erratics, called till. The outwash and lacustrine sediments were deposited in proglacial lakes.

2.3.3 Site Geology

The locations of soil borings and monitoring wells used to describe site geology are summarized in Table 1 and are shown on Figure 3. The subsurface of the subject site is described as:

- Six connected buildings, and concrete and unpaved gravel parking areas are present on the subject site. Landscaped areas are covered with topsoil.
- The concrete, gravel and topsoil surfaces are underlain by structural fill, light to grayish brown, sand and gravels, which ranged from 1.5 to 3.2 feet below the ground surface (bgs), in borings B-6, WB-MW-3 andWB-MW-4. These borings are located in the eastern parking lot (gravel surface) which is approximately 2 to 3 feet above the sidewalk and has a retaining wall.
- Beneath the concrete, gravel and topsoil surfaces and/or fill are light brown, brown, grayish brown to dark grayish brown; silty clays to sandy clays; moist, with some / little / few sands and gravel. Some organics were noted in B-3 (0.5 to 4.5 feet) and B-19 (1 to 1.5 feet).
- Within the silty clays and sandy clays were lenses to layers of light brown to dark yellowish brown, sand. The native soils at the site are silty clay.
- No bedrock was encountered at the subject site (the maximum depth explored was 27 feet bgs); however, bedrock was encountered at approximately 32 feet on the East Block.

Cross sections of the subsurface conditions at the site are depicted on Figure 4 through Figure 6.

2.3.4 Regional Hydrogeology

The source of groundwater in southeastern Wisconsin is predominantly precipitation that falls upon the land surface. The Drift-Bedrock province is characterized by glacial deposits of the Quaternary System and sedimentary rocks of the Devonian, Silurian, Ordovician and Cambrian System (14). The Shale and crystalline rock yield very little water except where the rocks are fractured. Dolomite (ordinarily dense and impervious) yields water where it is creviced. Sand, gravel, and sandstone are relatively permeable and generally yield water to wells.

2.3.5 Site Hydrogeology

Groundwater elevations were measured in the monitoring wells during the groundwater sampling event on, June 29, 2021. Locations of the monitoring wells are provided in Figure 3. Groundwater elevation data is included in Table 2. The data indicates that the groundwater table is located at elevations between 660.81 feet, above MSL and 669.92 feet, above MSL. A groundwater elevation contour map is depicted on Figure 7. In general, groundwater within the West Block is flowing to the southeast.

2.4 Contaminant Receptors

The following contaminant receptors have been identified for evaluation.

2.4.1 Municipal Water Supply Wells

There is no potable water supply well at the subject site. The source of the potable water supply for the subject site is the City of Milwaukee. The City of Milwaukee's water source is Lake Michigan. No known municipal wells are located within 1,200 feet of the site (15).

2.4.2 Private Wells

There are no private wells, or potable water supply wells associated with the subject site or within 1,200 feet of the site (15).

2.4.3 Wetlands, Surface Waters, Habitat, and Archaeological Impacts

According to the WDNR Surface Water Viewer, there are no surface water bodies or wetlands within 1,200 feet of the site (16). The Milwaukee River is approximately 2.95 miles east of the subject site. The site and the surrounding area are developed as commercial and residential properties. No sediment or surface water body is present on the site. No critical habitats were identified on the site. According to the Wisconsin Historical Society online search, the site is listed in the database as a historical site (17).

Historic Name: West Center-North 32nd Industrial Historic District
Reference Number: 100005095

Summary
Briggs & Stratton Corporation - West Plant
2748 North 32nd Street, Milwaukee, Milwaukee County
Architect: Alexander C. Eschweiler

The Briggs and Stratton Corporation was one of the largest manufacturers of gasoline-powered small engines in the nation, and the primary manufacturing of these engines was carried out at this plant. This enterprise led to the company's prominence as one of the leading producers of lawn and garden equipment and air-cooled gasoline engines in the world.

Briggs and Stratton purchased the first property at the West Plant in 1936 from the Westinghouse Lamp Company. The building was originally designed in 1906 by Alexander C. Eschweiler and built for the Romadka Brothers Company, one of the city's largest trunk and luggage companies, in one of the leading trunk manufacturing cities in the country.

The west plant is located in the Sherman Park neighborhood in northwest Milwaukee along the former Chicago, Milwaukee & St. Paul Railroad line (commonly known as the Milwaukee Road). It comprised of five properties acquired by the company between 1936 and 1977: 2748 N 32nd Street, 2727 N 32nd Street, 3212 W Center Street, 2758 N 33rd Street and 2784 N 32nd Street. The company developed the west plant by purchasing existing industrial buildings, all of which were initially constructed during the first half of the twentieth century and modifying those buildings (through both renovation and addition) to suit their company's needs.

2.4.4 Vapor Intrusion Receptors

Potential vapor intrusion receptors include the buildings on site and the three partial basements within buildings 4, 6, and 8A. The buildings shallow drain tile network is in contact with impacted soil and is a transport mechanism. There are no vapor intrusion risks to the outside surface parking lots along N. 32nd St. and N. 33rd St.

SECTION III. SITE INVESTIGATION RESULTS, RISK CRITERIA

3.1 General

The purpose of the site investigation is to delineate the extent and magnitude of contamination in the soil, groundwater, and vapor to assess public health concerns. These goals are achieved by performing soil borings/probes, installing monitoring wells, installing vapor probes, testing soil, groundwater, and vapor samples and interpreting soil and groundwater quality test results. A description of the procedures employed during this investigation is included in this section. Soil boring and monitoring well locations are summarized in Table 1 and are shown on Figure 3.

3.1.1 Sequence of Field Work Activities

April 10, 2020	Soil probes (B-1 through B-6) and a temporary well installation (TW-1) was performed by Horizon Construction and Exploration, LLC under the supervision of KSingh & Associates, Inc (5).
June 25, 2020	Soil hand augers (B-13 through B-15) were collected by KSingh & Associates, Inc.
March 31, 2021	Site Investigation Work Plan was prepared by KSingh & Associates, Inc (8).
April 1, 2021	Sub-Slab vapor samples (WB-SS-15 through WB-SS-25) and hand auger soil samples (WB-SS-2, 6, 8, 12 and 14) were collected by KSingh & Associates, Inc.
April 2, 2021	Sub-Slab vapor samples (WB-SS-1 through WB-SS-14) and hand auger soil samples (WB-Int.-9 through WB-Int.-17) were collected by KSingh & Associates, Inc.
April 3, 2021	Hand auger soil sample (RTS-1) was collected by KSingh & Associates, Inc.
April 5, 2021	Hand auger soil samples (WB-Int.-1 through WB-Int.-8) were collected by KSingh & Associates, Inc.
April 6, 2021	Hand auger soil sample (RTS-2) was collected by KSingh & Associates, Inc.
May 3, 2021	Soil borings and well installations (WB-MW-1 through WB-MW-4) were performed by Soils and Engineering Services, Inc. under the supervision of KSingh & Associates, Inc.
May 18, 2021	Hand auger soil samples (RTS-3 through RTS-6) were collected by KSingh & Associates, Inc.
June, 10, 2021	Hand auger soil sample (RTS- 3, deeper) was collected by KSingh & Associates, Inc.

June 22, 2021	Well development (WB-MW-1 through WB-MW-4) was performed by KSingh & Associates, Inc (WB-MW-3 was dry).
July 2, 2021	Well sampling (WB-MW-1 through WB-MW-4) was performed by KSingh & Associates, Inc. (WB-MW-3 was dry). Interior soil probing (WB-B-18, through WB-B-20) was performed by Horizon Construction and Exploration, LLC under the supervision of KSingh & Associates, Inc.
July 15, 2021	Soil probes (WB-B-16 and WB-B-17) and well installation (WB-MW-5) were performed by Soils and Engineering Services, Inc. under the supervision of KSingh & Associates, Inc.
July 20, 2021	Well development (WB-MW-5) and sampling were performed by KSingh & Associates, Inc.
August 19-20, 2021	Second round of sub-slab vapor samples (WBSS-2, WB-SS-8, WB-SS-9, WB-SS-10, WB-SS-11, WB-SS-12, WB-SS-13, WB-SS-14, WB-SS-15, WB-SS-16, WB-SS-17, WB-SS-18, WB-SS-19, WB-SS-20, WB-SS-21, WB-SS-22, WB-SS-23, WB-SS-24, and WBSS-25 were collected by KSingh & Associates, Inc.

3.1.2 Analytical Methods

Upon collection, laboratory soil samples were transported on ice to Eurofins Test America, Inc., University Park, Illinois, to be analyzed for VOCs, PAHs, PCBs Metals and/or PFAS. Groundwater samples were immediately stored in a cooler on ice and transported to Eurofins Test America, Inc., University Park, Illinois to be analyzed for VOCs. Vapor samples were collected in Summa canisters and transported to Synergy Environmental Lab, Inc. of Appleton, Wisconsin to be analyzed for VOCs.

Soil Samples

- VOCs in accordance with EPA Method 8260B.
- PAHs in accordance with EPA Method 8270D.
- PCBs in accordance with EPA Method 8082A.
- PFAS in accordance with EPA Method 537 (modified).
- Metals in accordance with EPA Method 6010B/7471A – Phase II ESA.

Groundwater Samples

- VOCs in accordance with EPA Method 8260B.
- PCBs in accordance with EPA Method 8082A.

Vapor Samples

- VOCs in accordance with EPA Method TO-15.

3.2 Soil Sampling and Testing

As part of a Site Investigation, eleven soil probes and five soil borings were advanced on the subject site both on the exterior and interior of the buildings. The locations of one monitoring well (MW-1) varied slightly from the locations proposed in the Site Investigation Work Plan due to site constraints and conflicts on the north side of the building along W. Hadley St. Soil boring/probe and monitoring well locations were designed to delineate the lateral and vertical extent of contamination as requested by the WDNR's RP letter.

On April 10, 2020, Horizon Construction and Exploration, LLC (Horizon) performed six exterior soil probes (B-1 through B-6) using a Geoprobe 7822DT rig under the supervision of KSingh. Direct push soil probes were advanced to depths ranging from 10 to 20 feet bgs. Samples were then brought to the surface for study and one soil sample was collected from each probe for lab analysis. Sampling procedures and general conditions are included in Appendix D. The locations of the soil borings (B-1 through B-6) performed for the SI are shown on Figure 3. Following completion of sampling, all six probes were abandoned.

On May 3, 2021, and July 15, 2021, soil probes and well installations (WB-MW-1 through WB-MW-5) were performed by Soils and Engineering Services, Inc. using a Geoprobe 7822DT rig under the supervision of KSingh. Direct push soil probes were advanced to depths ranging from 24 to 27 feet bgs. Samples were then brought to the surface for study and two soil sample was collected from each boring for lab analysis. The locations of the soil borings (WB-MW-1 through WB-MW-5) performed for the SI are shown on Figure 3. Following completion of sampling, all five probes were blind drilled with HSAs and monitoring wells were installed.

On June 2, 2021, Horizon Construction and Exploration, LLC (Horizon) performed three interior soil probes (WB-B-18 through WB-B-20) using a Geoprobe 5400 mini rig under the supervision of KSingh. Direct push soil probes were advanced to depths ranging from 8 to 10 feet below the concrete slab on grade. It should be noted that WB-B-18 was advanced within a basement area of the building. Samples were then brought to the surface for study and one deeper soil sample was collected from each boring for lab analysis. The locations of the soil probes (WB-B-18 through WB-B-20) performed for the SI are shown on Figure 3. Following completion of sampling, all three probes were abandoned in accordance with NR 141.

On June 15, 2021, two soil probes (WB-B-16 and WB-B-17) were performed by Soils and Engineering Services, Inc. using a Geoprobe 7822DT rig under the supervision of KSingh. Direct push soil probes were advanced to depths of 10 feet bgs. Samples were then brought to the surface for study and two soil samples were collected from each probe for lab analysis. The locations of the soil probes (WB-B-16 and WB-B-17) performed for the SI are shown on Figure 3. Following completion of sampling, the two soil probes were abandoned in accordance with NR 141.

Soil samples were screened on-site in two-foot intervals for volatile organic compounds (VOCs) using an HNU meter, model number PI-101, equipped with an 11.7 electron volt photoionization detector. HNU meter readings are shown on the boring logs included in Appendix E. Soil samples were brought to the surface, examined by the field crew and placed in sealed containers. A field log was prepared by KSingh during on-site operations to record field occurrences, sampling intervals, and groundwater observations.

Considering the test results and visual classification of the soils in the laboratory, a final boring log for each soil probe was prepared for this report. The final boring logs portray boring methods, sampling methods, depth of sample, amount of sample recovered, an indication of subsoil types, and groundwater level

observations (refer to Appendix E). Soil quality analytical results are included in Appendix F and the results are summarized in Table 3.

3.3 Monitoring Well Installation

Four monitoring wells WB-MW-1 through WB-MW-4 were installed on the property with one well (WB-MW-5) being installed within the northern sidewall of the W. Center St. This required a Public Way Excavation Permit with the City of Milwaukee's Development Center. Following the installation of the monitoring wells, an elevation survey was performed. The elevation survey is summarized in Table 1. The monitoring wells were installed by Soils and Engineering Services, Inc. on May 3, 2021, and July 15, 2021, in accordance with NR 141 (18). The work performed was supervised by KSingh.

The four on-site monitoring wells were developed on June 22, 2021, (WB-MW-1 through WB-MW-4, except WB-MW-3 which was dry) with the one well within the ROW being developed on July 20, 2021, (WB-MW-5). Depth to water was measured prior to and following well development and prior to each round of sampling. Groundwater elevation measurements are summarized in Table 2. The total volume of water removed from each well was measured, and purge water was drummed for later disposal. Well installation and development details are included in Appendix G.

3.4 Groundwater Flow and Hydraulic Conductivity

The site has five groundwater monitoring wells (WB-MW-1 through WB-MW-5) with WB-MW-3 being dry since its installation on May 5, 2021, to a depth of 24 feet bgs. There is one upgradient (WB-MW-1), two side gradient (WB-MW-2 and WB-MW-3), and two downgradient (WB-MW-4 and WB-MW-5) monitoring wells. The average depth to groundwater bgs were 14 feet (667.95) for WB-MW-1, 20 feet (665.40) for WB-MW-2 (660.94), dry for WB-MW-3, 24 feet (660.94) for WB-MW-4, and 18 feet (660.54) for WB-MW-5. Therefore, the depth to groundwater across the site ranges from approximately 14 to 24 feet bgs and generally flows to the southeast.

Literature hydraulic conductivities and porosity (19) were used to estimate the average linear velocity of groundwater flow. The hydraulic gradient at the site is approximately 0.016 feet/foot. Based on a hydraulic gradient of 0.016, a porosity of 0.33, and a hydraulic conductivity of 1.0×10^{-6} cm/sec (clay) and 1.0×10^{-4} cm/sec (glacial till), we estimate that groundwater is flowing southeast at the site at a range from less than one foot to 5 feet/year.

3.5 Groundwater Quality Testing

Groundwater sampling was conducted for all five monitoring wells on July 2, 2021 (WB-MW-1 through WB-MW-4), and July 29, 2021 (WB-MW-5), for VOCs. Prior to groundwater sampling, depth to water was measured in each monitoring well using a water level indicator and measuring from top of PVC casing. Groundwater elevation data is summarized in Table 2. A contour map of groundwater elevation for July 29, 2021, is depicted on Figure 7. Groundwater flow direction appears to be to the southeast.

Groundwater samples were collected in accordance with the WDNR's Groundwater Field Sampling Manual (20) following purging and preserved on ice. The groundwater samples were submitted to Eurofins - Test America, Inc., University Park, Illinois using proper chain-of-custody procedures. Groundwater samples were analyzed for VOCs in accordance with EPA Method 8260B. Chain of Custody records and laboratory

groundwater quality analytical results are included in Appendix H. Groundwater quality test results are summarized in Table 4.

3.6 Soil Contamination

Under NR 720 of the Wisconsin Administrative Code, the WDNR has established baseline concentrations of residual contaminant levels (RCLs) for the purpose of protecting groundwater (21). Additionally, the WDNR has established soil quality criteria for protection of human health through direct contact both Non-Industrial and Industrial scenarios. In addition, metals were compared to the WDNRs Background Threshold Values (BTV). These State standards are all presented on Table 3.

The SI included soil sampling as follows:

- April 10, 2020, six soil probes (B-1 through B-6) were submitted for laboratory analysis of VOCs, PAHs, 8 RCRA Metals with one sample for PCBs (B-5) which was near a transformer area. These soil probes were part of the Phase II ESA.

- June 25, 2020, three hand augers (B-13 through B-15) were submitted for laboratory analysis of PFAS.

- March 1, 2021, five sub-slab soil samples (WB-SS-2, 6, 8, 12, and 14) were submitted for laboratory analysis of VOCs and two samples for PCBs (WB-SS-6 and WB-SS-14).

- March 3, 2021, one sub-slab hand auger soil sample (RTS-1) were submitted for laboratory analysis of VOCs and PCBs.

- April 2, 2021, nine sub-slab hand auger soil samples (WB-Int-9 through WB-Int-17) were submitted for laboratory analysis of VOCs and PCBs.

- April 5, 2021, eight sub-slab hand auger soil samples (WB-Int-9 through WB-Int-17) were submitted for laboratory analysis of VOCs and PCBs.

- April 6, 2021, one sub-slab hand auger soil sample (RTS-2) were submitted for laboratory analysis of VOCs and PCBs.

- May 3, 2021, eight soil samples (WB-MW-1 through WB-MW-4) were submitted for laboratory analysis of VOCs. Shallow samples were also submitted for laboratory analysis of PAHs and PCBs.

- May 18, 2021, four sub-slab hand auger soil samples (RTS-3 through RTS-6) were submitted for laboratory analysis of VOCs and PCBs.

- July 2, 2021, three deep soil probe soil samples (WB-B-18 through WB-B-20) were submitted for laboratory analysis of VOCs.

- July 15, 2021, two soil probe soil samples (WB-B-16 and WB-B-17) were submitted for laboratory analysis of VOCs, PAHs, and PCBs with deeper samples submitted for laboratory analysis of VOCs. Likewise, two soil samples (WB-MW-5) were submitted for laboratory analysis of VOCs. Shallow samples were also submitted for laboratory analysis of PAHs and PCBs.

Analytical results are summarized in Table 3. Soil quality analytical results are included in Appendix F.

Soil Quality Inside the Building

Soil samples were collected on the interior of the buildings for a total of 31 samples. Soil samples were collected from WB-SS-2, WB-SS-6, WB-SS-8, WB-SS-12, WB-SS-14; WB-Int-1 through WB-Int-17; RTS-1 through RTS-6; and WB-B-18 through WB-B-20.

Soil samples were analyzed for VOCs, and a combination of PAHs, PCBs, and Metals. The main contaminants of concern include Chlorinated VOCs (CVOCs) and PCBs with minor petroleum detects. Soil sampling results are presented on Table 3 and Figure 8A and 8B. Soil Contamination Isoconcentration Map were developed for PCE and PCBs and are depicted on Figures 9A and 9B, and 9C and 9D, respectively.

CVOCs Impacts

There was only one interior basement sample that had CVOCs concentrations above the protection to groundwater (1,2-DCB, PCE and TCE) and the non-industrial direct contact exposure pathway RCLs (1,4-DCB) which included WB-SS-2 (0' to 1') which is located on the northern portion of the property (Building 8A). The central and southern basement areas did not have CVOCs detected.

Of the slab-on-grade portions of the building concentrations of CVOCs above the protection to groundwater RCLs only included the following locations:

- Building 4 - RTS-1 (0 to 2 feet), RST-2 (0.5 to 2.5 feet) WB-Int-11 (0.5 to 1.5 feet).
- Building 7 - WB-Int-6, WB-Int-7 (both 0.5 to 1.5 feet), and RTS-3 (1 to 2 feet).

PCB Impacts

Similarly, of the slab-on-grade portions of the building concentrations of PCBs above the protection to groundwater RCLs only included the following locations:

- Building 4 - WB-Int-13, WB-Int-14, WB-Int-16, and WB-Int-17 (all 0.5 feet to 1.5 feet), WB-SS-14 (0 to 1 foot), RTS-1 (0 to 2 feet), and RTS-2 (0.5 to 1.5 feet).
- Building 7 - WB-SS-6 (0 to 1 foot).
- Building 8A - WB-Int-1 through WB-Int-3 (all 0.5 to 1.5 feet) and RTS-6 (1 to 2 feet).
- Building 8B – WB-Int-4 (0.5 to 1.5 feet).

The only exceptions to this were WB-SS-14 (0 to 1 feet) and RTS-6 (1 to 2 feet) which had PCB concentrations above the industrial direct contact exposure pathway RCL (Building 4 and Building 8A, respectively).

Petroleum Impacts

Of the slab-on-grade portions of the building WB-SS-14 (0 to 1 foot) and RST-2 (0.5 to 2.5 feet) had concentrations of benzene (both in Building 4) above the protection to groundwater RCLs only.

Soil Quality Outside the Building

Soil samples were collected on the exterior of the buildings for a total of 23 samples. Soil samples were collected from B-1 through B-6; B-13 through B-15; and MW-1 through MW-5; and WB-B-16 and WB-B-17. Soil samples were analyzed for VOCs, and a combination of PAHs, PCBs, Metals and PFAS.

Exterior soil samples B-1 through B-6, WB-MW-1 through WB-MW-5, and WB-B-16 and WB-B-17 did not have CVOCs detected; however, WB-MW-3 (1 to 3 feet) had a concentration of PCBs above the protection to groundwater RCL only. PAHs and metals were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs and/or background threshold values for metals. Exterior soil samples B-13 through B-15 were not exceeding RCLs for PFAS.

With this said, the only contaminant of concern was PCBs at WB-MW-3 (1 to 3 feet) and is anticipated to be less than four feet deep due to its high viscosity.

Three soil samples were tested for PFAS and were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs for PFOA and PFOS.

3.7 Risks to Potential Receptors (Soil)

Soil Contamination Inside the Building

Soil contamination with respect to chlorinated VOCs (PCE, TCE, 1,2-DCB, and 1,4-DCB) greater than the NR 720 RCLs for groundwater protection appear to be located below the northern basement area (Building 8A). The exception is 1,4-DCB which exceeded the non-industrial direct contact exposure pathway below the northern basement area (Building 8A). The northern basement area housed the former boiler for the building. Soil probe WB-B-18 (7 to 8 feet) had no VOC detects and the CVOC impacts are defined vertically.

Within Buildings 4 and 7 PCE and TCE exceeded the NR 720 RCLs for groundwater protection likely from small spills in building 4 and paint storage and use of paint thinners in building 7, plus former industrial operations. There were no NR 720 RCLs for the non-industrial or industrial direct contact exposure pathway for CVOCs within these two buildings.

Soil contamination with respect to benzene greater than the NR 720 RCLs for groundwater protection appear to be located below the southern building slab on grade floor (Building 4) likely from small spills and former industrial operations. Soil probe WB-B-20 (8 to 9 feet) had no VOC detects and the benzene impacts are defined vertically.

Soil contamination with respect to PCBs (1242, 1248, 1254, and 1260) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the northwestern portion (Building 8A) and southern portion (Building 4) of the building complex. The exceptions are PCBs (1254 and 1248) which exceeded the non-industrial direct contact exposure pathway and PCBs (1254)

which exceeded the industrial direct contact exposure pathway. These were located in the eastern half of building 4 and in building 8A which are likely from the former industrial operations.

Soil Contamination Outside the Building

Soil samples were collected on the exterior of the buildings for a total of 23 samples. Soil samples were analyzed for VOCs, and a combination of PAHs, PCBs, Metals and PFAS. The majority of soil samples were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs and/or background threshold values for metals.

Soil contamination with respect to PCB (1260) greater than the NR 720 RCLs for groundwater protection appear to be located only at WB-MW-3 (1 to 3 feet) which is within the gravel parking lot on the east central side of the West Block which are likely from small spills.

With this said, the only contaminant of concern was PCBs at WB-MW-3 (1 to 3 feet) and is anticipated to be less than four feet deep due to its high viscosity.

VOCs, PAHs, and metals were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs and/or background threshold values for metals. Soil sampling results are presented on Table 3 and Figure 8A and 8B.

Three soil samples were tested for PFAS and were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs for PFOA and PFOS. In addition, a table from Intrastate Technology Regulatory Council (ITRC) website (22) was used to compare industry and applications against the subject site and one PFAS use was noted textiles, leather and apparel which were former activities at the subject site which is presented as Table 5. However, the soil PFAS testing showed no evidence of concern with the exception of Perflurobutenoic acid (PFBE).

The concentrations were very low and there is no standard for PFBE. All three samples were flagged with a "J' and "B". The "J" flag means the sample is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value. The "B" flag means that the compound was found in the blank and sample. With PFBE in all blank sample these results are considered false positives.

3.8 Groundwater Contamination

Groundwater quality is assessed relative to the Preventive Action Limits (PAL) and Enforcement Standards (ES) set forth in NR 140 of the Wisconsin Administrative Code (23). Groundwater analytical results are shown in Table 6.

As a part of the Site Investigation, the five monitoring wells installed on the subject site underwent a groundwater sampling event on June 30, 2021 (WB-MW-1 through WB-MW-4) and July 29, 2021 (WB-MW-5). From the June 30, 2021, sampling event, NR 140 Enforcement Standards (ES) exceedances (0.20 ug/kg standard) included Vinyl Chloride (VC) in monitoring well WB-MW-4 (0.29 J ug/kg) which is downgradient from the source area in building 7. The VC concentration had a "J" flagged value. The result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value. The remainder of groundwater results were below the laboratory method detection limits; therefore, the groundwater plume appears to be an isolated location at WB-MW-4 and is delineated.

Methylene chloride was detected in WB-MW-1 through WB-MW-4 and within the trip blank sample slightly above the NR 140 ES. It should be noted that methylene chloride is a typical laboratory contaminant. Groundwater sampling results are shown on Figure 10.

3.9 Risks to Potential Receptors (Groundwater)

According to the WDNR Surface Water Viewer, there are no surface water bodies or wetlands within 1,200 feet of the site (16). The Milwaukee River is approximately 2.95 miles east of the subject site.

An exceedance just above the NR 140 ES of VC was detected in MW-4, within the eastern central portion of the site within a gravel parking lot. This monitoring well MW-4 is downgradient from the source area in building 7. Since groundwater results were below the laboratory method detection limits for VC (noted previously) there appears to be a low risk for groundwater impacts.

3.10 Vapor Intrusion Sampling and Results

The first sub-slab vapor sampling event included vapor probes WB-SS-1 through WB-SS-25 were sampled on April 1 and 2, 2021, by KSingh field staff. Sampling was performed in accordance with WDNR publication RR-800 "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin" dated July 2018 (24). Outdoor temperatures were in the range of 40 ℉ to 50 ℉ indicating favorable conditions for successfully detecting sub-slab vapors.

The second sub-slab vapor sampling event included vapor probes WB-SS-2, WB-SS-8 through WB-SS-14 and WB-SS-22 through WB-SS-25 were sampled on August 19 and 20, 2021, by KSingh field staff. Outdoor temperatures were in the range of mid-70 ℉ to mid-80 ℉ indicating favorable conditions for successfully detecting sub-slab vapors.

SSV sampling activities were collected using 1.4 L SUMMA canisters supplied by Synergy Environmental Labs, Inc. (Synergy) and fitted with 100 milliliter-per-minute flow controllers. Preliminary sampling measures were performed ahead of sampling at each location, which included water dam leak testing procedures, shut-in testing, and purging air beneath the sub-slab ahead of sampling.

Water dam leak testing procedures were again administered at each sampling location by filling water in the 1.5-inch core-hole which acted as casing. The method was considered successful if the water placed in the casing maintained a constant level and no air bubbles were observed.

Shut-in testing procedures were administered at each sampling location by applying and sustaining a vacuum of at least -15 inches of mercury within the sampling train. The method was considered successful if the sampling train sustained this vacuum for a minimum of 60 seconds.

Upon successful completion of water dam and shut-in testing procedures, air was purged from the sampling location prior to sample collection. All collected SSV samples were stored in containers provided by the laboratory, documented on a Chain of Custody, and sent to the Synergy for analysis of VOCs by EPA Method TO-15. The sub-slab vapor results are shown on Table 6 and are depicted on Figure 11 with the sub-slab vapor analytical results presented in Appendix I.

The sub-slab vapors for the first sub-slab sampling event exceed the Vapor Risk Screening Levels (VRSLs) for residential structures for PCE and TCE in Building 7; TCE in building 8A; and 1,4-Dioxane in Building 8B. Sub-slab vapors exceed the VRSLs for small commercial structures for PCE and TCE in Buildings 7 and 8A, respectively. There were no exceedances above the large commercial/industrial scenario. With the 25 sub-slab vapor points inside the building the horizontal extent of sub-slab vapor impacts has been defined. The results and locations of the first sub-slab sampling event are shown on Figure 11.

The vapor remedial action plan for the West Block included an additional round of vapor sampling in the basement areas (including building 8A) and in buildings 4, 5 and 6 in Summer 2021 to determine the adequacy of the vapor system. The sub-slab vapors for the second sub-slab sampling event exceed the VRSLs for residential structures for TCE in Building 4 and 5 and for and small commercial structures at one point within the southwester portion of building 4. There were no exceedances above the large commercial/industrial scenario. The results and locations of the second sub-slab sampling event are shown on Figure 11.

No indoor or outdoor air sampling was performed since the windows were out or boarded up at the time of sub-slab vapor sampling was performed. Indoor and outdoor air sampling will be performed during commissioning of the planned vapor mitigation system. A third sub-slab sampling event will be performed in Winter 2021/2022 after the HVAC system is operational on sub-slab vapor probes WB-SS-2, WB-SS-8,

3.11 Risks to Potential Receptors (Vapor Intrusion)

There are four delineated areas within the building that concentrations were exceeding residential VRSLs and two similar area exceeding small commercial/industrial VRSLs for the first and second sub-slab sampling events There were no exceedances above the large commercial/industrial scenario.

Within building 8B (northern portion of building) 1,4-dioxane vapor was detected at one sub-slab point above the residential VRSL [1,4-dioxane is used as a stabilizer for chlorinated solvents such as trichloroethane (TCA) and TCE]. This may be related to a small spill of paint solvents at this area and former industrial operations of the building.

Within building 8A (southern portion of building) TCE vapor was detected at one sub-slab point above the residential VRSL. This area is between the former paint storage area in building 7 and the former paint spray booths in building 8A, this may be related to small spills and former industrial operations of the building.

Within building 7 (central portion of building) PCE vapor was detected at two sub-slab points above the residential VRSL with one point being above the small commercial/industrial VRSLs. TCE vapor was detected at one sub-slab point above the residential VRSL.

Within building 4 and 5 TCE vapor was detected at five sub-slab points above the residential VRSL with one point being above the small commercial/industrial VRSLs.

The risk to vapor intrusion were documented within the following reports regarding vapor mitigation design:

- Pressure Field Extension Testing and Vapor Mitigation System Feasibility Study, Community Within the Corridor – West Block, 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI, prepared by K. Singh & Associates, Inc., April 27, 2021 (9);

- Proposed Modification of Remedial Action Plan / Vapor Mitigation System for Community Within the Corridor – West Block, 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI prepared by K. Singh & Associates, Inc., June 15, 2021 (11); and

- Additional Subslab Vapor Sampling and Proposed Modification of Remedial Action Plan / Vapor Mitigation System for Community Within the Corridor – West Block 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210 prepared by K. Singh & Associates, Inc., September 13, 2021 (12).

The WDNR approved the plan and vapor mitigation system on July 9, 2021. A copy of this letter is provided in Appendix C.

3.12 Risk Screening Criteria

Soil and groundwater contamination are evaluated with respect to the five environmental factors set forth by the WDNR. The five environmental factors are assessed as follows:

Expansion of Plume Margin – A NR 140 ES was exceeded; therefore, a small groundwater plume does exist on site for VC.

Impacts to Private Wells – No private wells exist on the subject site or in the vicinity.

Soil Contamination Near Bedrock – Soil borings/probes were performed to a depth up to 27 feet below ground surface and bedrock was not encountered. The majority of exterior soil samples were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs and/or background threshold values for metals. In addition, the soil contamination inside the buildings appears to extend to approximately five feet deep.

Free Product – Free product was not detected in any of the monitoring wells. Groundwater concentrations indicate that free produce is not present. The majority of groundwater samples were not detected above the laboratory's method detection limits.

Surface Water – The Milwaukee River is approximately 2.95 miles east of the subject site. No additional surface water bodies were identified closer. Therefore, impact to surface water is not a concern.

3.13 Utility Impacts

Based on their separate building histories, Buildings 4 and 5 principally have gas, water, and sewer utilities from W. Center St. while Buildings 6, 7, 8A, and 8B typically have utilities entering from N. 33rd St. The gas feeding the boiler room at the north end of the West Block enters from W. Hadley St. The exact layout of the plumbing under the buildings is unknown. New utilities are planned to be installed. There are no

sanitary manholes on the property or within sidewalk areas to be evaluated for vapor concerns. Sanitary and storm (combined sewers) manholes appear to be located within the center of N. 32nd St., N. 33rd St. and W. Center St.

KSingh collected a grab vapor sample from one combined sewer manhole within N. 33rd St which is located west of building 7. Two sewer cleanout locations were sampled, one in the basement of building 4, and one along the western wall of building 7. In addition, a 24-hour indoor air sample was collected from the western tunnel opening of building 6. All vapor samples were collected for TO-15 analysis and followed the WDNR guidance document "Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors" (25). The indoor air and conduit vapor sampling locations and results are shown on Figure 12. The laboratory analytical report is in Appendix J and is reported on Table 7.

There are no exceedances of Residential Vapor Action Levels (VALs) in the sewer cleanouts in building 4 and 7, N. 33rd St. manhole, or indoor air for the tunnel building 6, with the exception of naphthalene. Naphthalene was just above the Residential VAL in all four samples. Naphthalene has reported uses for dyes, synthetic tanning and textile chemicals which may have been caused from prior activities at the site (26). It is planned that the old utilities will be abandoned (plugged) and replaced by new utilities as part of the redevelopment project. In addition, the tunnel is planned to be filled in and abandoned. This will mitigate the indoor air and conduit vapor risks.

Drain tiles are present around the exterior and interior of the building just below the slab on grade floor. However, groundwater is more than 17 to 27 feet bgs and drain tiles are not intercepting groundwater. In addition, exterior soil samples were not impacted by VOCs, PAHs, PFAS and Metals.

SECTION IV. CONCLUSIONS AND RECOMMENDATIONS

4.1 Summary of Results

Subsurface Soil and Groundwater Conditions

Subsurface conditions described based on data obtained from the previous Phase II ESA data plus KSingh's current SI are summarized as follows:

- Six connected buildings, and concrete and unpaved gravel parking areas are present on the subject site. Landscaped areas are covered with topsoil.
- Beneath the concrete, gravel and topsoil surfaces and/or fill are light brown, brown, grayish brown to dark grayish brown; silty clays to sandy clays; moist, with some / little / few sands and gravel. Some organics were noted in B-3 (0.5 to 4.5 feet) and B-19 (1 to 1.5 feet).
- Within the silty clays and sandy clays were lenses to layers of light brown to dark yellowish brown, sand.
- No bedrock was encountered at the subject site (the maximum depth explored was 27 feet bgs); however, bedrock was encountered at approximately 32 feet on the East Block.
- Groundwater was observed in four of the five monitoring wells between 17 and 27 feet bgs during the June 30, 2021, and July 29, 2021, sampling events.
- Groundwater flows to the southeast at a flow rate range of approximately less than one foot to 5 feet per year.

Soil Quality Test Results

Soil Sampling Inside the Building

- Soil samples were collected on the interior of the buildings for a total of 31 samples. Soil samples were analyzed for VOCs, and a combination of PAHs, PCBs, and Metals. The main contaminants of concern include Chlorinated VOCs (CVOCs) and PCBs with minor petroleum detects.
- Soil contamination with respect to chlorinated VOCs (PCE, TCE, 1,2-DCB, and 1,4-DCB) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the central portion (Building 7), southern portion (Building 4) and below the northern basement area (Building 8A) of the building complex. The exception is 1,4-DCB which exceeded the non-industrial direct contact exposure pathway below the northern basement area (Building 8A). The northern basement area housed the former boiler for the building. Soil probe WB-B-18 (7 to 8 feet) had no VOC detects and the CVOC impacts are delineated.
- Soil contamination with respect to benzene greater than the NR 720 RCLs for groundwater protection appear to be located below the southern buildings slab on grade floor (Building 4). Soil probe WB-B-20 is within the area of the benzene detects which had no VOCs detected at 8 to 9 feet and is delineated.
- Soil contamination with respect to PCBs (1242, 1248, 1254, and 1260) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the northwestern portion (Building 8A) and southern portion (Building 4) of the building complex. The exceptions are PCBs (1254 and 1248) which exceeded the non-industrial direct contact exposure pathway and PCBs (1254) which exceeded the industrial direct contact exposure pathway. These were located in the eastern half of building 4 and in building 8A and are delineated to within the building only and are interpreted to be less than four feet deep due to its high viscosity.

Soil Sampling Outside the Building

- Soil samples were collected on the exterior of the buildings for a total of 23 samples. Soil samples were analyzed for VOCs, and a combination of PAHs, PCBs, Metals and PFAS.
- Soil contamination with respect to PCB (1260) greater than the NR 720 RCLs for groundwater protection appear to be located only at WB-MW-3 which is located within the gravel parking lot on the east central side of the West Block.
- VOCs, PAHs, and Metals were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs and/or background threshold values for metals. Soil contamination outside the building is delineated with the exception of PCBs noted in the gravel parking lot.
- Three soil samples were tested for PFAS and were either not detected above the laboratory's method detection limits or were detected below NR 720 RCLs for PFOA and PFOS.

Groundwater Quality Test Results

- Of the first groundwater sampling VOCs analysis vinyl chloride was detected (0.29 J ug/kg) just above NR 140 ES standard (0.20 ug/kg) in MW-4 which is located within the gravel parking lot on the east central side of the West Block.
- The groundwater is not impacted with VOCs with the exception of vinyl chloride at MW-4 which is near its detection level.

Sub-Slab Vapor Test Results

- The sub-slab vapors exceed the Vapor Risk Screening Levels (VRSLs) for residential structures for PCE and TCE in Building 7 (one point exceeding the small commercial/industrial scenario for PCE); TCE in building 8A; 1,4-Dioxane [used as a stabilizer for chlorinated solvents such as trichloroethane (TCA) and TCE] in Building 8B. With the 25 sub-slab vapor points inside the building the horizontal extent of contamination has been defined.
- Recent sampling of sub-slab vapors indicates VRSLs exceedances for TCE in Building 4 for residential structures with one point exceeding the small commercial/industrial scenario for TCE.
- No indoor or outdoor air sampling was performed since the windows were out or boarded up at the time of sub-slab vapor sampling was performed. Indoor and outdoor air sampling will be performed during commissioning of the planned vapor mitigation system.

Utility Test Results

- There are no exceedances of Residential VALs in the sewer cleanouts in building 4 and 7, N. 33rd St. manhole, or indoor air for the tunnel building 6, with the exception of naphthalene. Naphthalene was just above the Residential VAL in all four samples. Naphthalene uses include dyes, synthetic tanning and textile chemicals which may have been caused from prior activities at the site.

4.2 Conclusions

- Beneath the concrete, gravel and topsoil surfaces and/or fill are light brown, brown, grayish brown to dark grayish brown; silty clays to sandy clays; moist, with some / little / few sands and gravel.
- Within the silty clays and sandy clays were lenses to layers of light brown to dark yellowish brown, sand.
- No bedrock was encountered at the subject site (the maximum depth explored was 27 feet bgs) however, bedrock was encountered at approximately 32 feet on the East Block.

- Groundwater flows to the southeast at a flow rate of approximately less than one foot to 5 feet per year.
- Soil contamination with respect to chlorinated VOCs (PCE, TCE, 1,2-DCB, and 1,4-DCB) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the central portion (Building 7), southern portion (Building 4) and below the northern basement area (Building 8A) of the complex of buildings. The exception is 1,4-DCB which exceeded the non-industrial direct contact exposure pathway below the northern basement area (Building 8A). CVOC impacts appear to be approximately five feet deep or shallower within the three buildings based on deeper soil samples.
- Soil contamination with respect to benzene greater than the NR 720 RCLs for groundwater protection appear to be located below the southern buildings slab on grade floor (Building 4). Benzene impacts appear to be approximately five feet deep or shallower within the building based on deeper soil samples.
- Soil contamination with respect to PCBs (1242, 1248, 1254, and 1260) greater than the NR 720 RCLs for groundwater protection appear to be located below the buildings slab on grade floor within the northwestern portion (Building 8A) and southern portion (Building 4) of the building complex. The exceptions are PCBs (1254 and 1248) which exceeded the non-industrial direct contact exposure pathway and PCBs (1254) which exceeded the industrial direct contact exposure pathway. These were located in the eastern half of building 4 and in building 8A which are likely from the former industrial operations.
- Exterior soil contamination with respect to PCB (1260) was detected within the gravel parking lot on the east central side of the West Block. Of the exterior soil samples VOCs, PAHs, metals and Per- and Polyfluoroalkyl Substances (PFAS) were either not detected above the laboratory's method detection limits or were detected below State standards.
- Low levels of vinyl chloride were detected just above NR 140 ES standards in MW-4 which is located within the gravel parking lot on the east central side of the West Block.
- Groundwater contamination has not migrated off-site.
- The sub-slab vapors exceed the VRSLs for residential structures for PCE and TCE in Building 7; TCE in building 8A; and 1,4-Dioxane in Building 8B. Sub-slab vapors exceed the VRSLs for small commercial structures for PCE and TCE in Buildings 7 and 8A, respectively. There were no exceedances above the large commercial/industrial scenario. With the 25 sub-slab vapor points inside the building the horizontal extent of sub-slab vapor impacts has been defined.
- Recent sampling of sub-slab vapors indicates VRSLs exceedances for TCE in Building 4 for residential structures with one point exceeding the small commercial/industrial scenario for TCE.
- Due to the shallow contamination of CVOCs within the building a vapor mitigation system is needed.
- There are no exceedances of Residential VALs in the sewer cleanouts in building 4 and 7, N. 33rd St. manhole, or indoor air for the tunnel building 6, with the exception of naphthalene. Naphthalene was just above the Residential VAL in all four samples. Naphthalene uses include dyes, synthetic tanning and textile chemicals which may have been caused from prior activities at the site.
- Drain tiles at the subject site are not impacted due to the tiles being above the water table.
- Soil impacted areas have been delineated to within the building's footprint for CVOCs, PCBs and 1,4-dioxane as well as CVOCs for sub-slab vapor intrusion. In addition, an isolated impacted area at MW-3 had PCBs over state regulatory levels.
- The groundwater plume (vinyl chloride) appears to be delineated to the area of MW-4.

- During construction work a UST was partially unearthed located to the north of building 8A which may have supported the old boiler located in the basement of that building. This UST will be removed latter this year and documented in a separate report.

4.3 Recommendations

- Remove one UST and perform a UST site assessment.
- Perform one additional groundwater sampling event for VOCs and PCBs.
- Arrange for proper disposal of drums containing well development/purge water.
- Perform hot spot excavation within the building and install a sub-slab depressurization system.
- Properly abandon old sewer connections and the underground tunnel.

4.4 Limitations of Data

The site investigation was based on conditions known to exist prior to and encountered during field exploration. The scope of work for this phase of investigation was only onsite investigation, except for MW-5 which was installed within the ROW of W. Center St. The assessment has confirmed the existence of contamination within near-surface soil within the building. Additional exploratory work may be warranted along with future groundwater monitoring. This report has been prepared exclusively for Community within the Corridor Limited Partnership, LLC and it may not be altered or changed in any manner without expressed written consent of K. Singh & Associates, Inc.

SECTION V. REFERENCES

1. Milwaukee County Land Information Office. http://county.milwaukee.gov/mclio/applications/interactivemapping.html

2. Web Page: https://city.milwaukee.gov/DCD/Planning/PlanningAdministration/ZoningMap

3. Briggs and Stratton Industrial Campus, Historic Preservation Certification Application Part 1 – Evaluation of Significance, (given to KSingh by Roers Companies), no date included.

4. Phase I Environmental Site Assessment, Community Within the Corridor, 2748 N 32nd Street, Milwaukee, Wisconsin prepared by K. Singh & Associates, Inc. dated March 10, 2020.

5. Phase II Environmental Site Assessment Report for Community Within the Corridor, located at 2748 N 32nd Street, 3212 West Center Street, 2727 N 32nd Street, 2758 N 33rd Street, 2784 N 32nd Street, Milwaukee, Milwaukee County, Wisconsin prepared by K. Singh & Associates, Inc., May 24, 2020.

6. West Block Sub-Slab Vapor and Soil Investigation for Community Within the Corridor Limited Partnership 3212 West Center Street, 2727 N. 32nd Street, 2758 N. 33rd Street in Milwaukee, WI prepared by K. Singh & Associates, Inc., March 18, 2021.

7. Notification for Hazardous Substance Discharge (Non-Emergency Only), Form 4400-225 (R 02/20) prepared by K. Singh & Associates, Inc., March 24, 2021.

8. Site Investigation Work Plan, Community Within the Corridor Limited Partnership - West Block 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI prepared by K. Singh & Associates, Inc., March 31, 2021.

9. Pressure Field Extension Testing and Vapor Mitigation System Feasibility Study, Community Within the Corridor – West Block, 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI prepared by K. Singh & Associates, Inc., March 31, 2021.

10. Soil Quality Memorandum, Community Within the Corridor – West Block, 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI, prepared by K. Singh & Associates, Inc., June 15, 2021.

11. Proposed Modification of Remedial Action Plan / Vapor Mitigation System for Community Within the Corridor – West Block, 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI prepared by K. Singh & Associates, Inc., June 15, 2021.

12. Additional Subslab Vapor Sampling and Proposed Modification of Remedial Action Plan / Vapor Mitigation System for Community Within the Corridor – West Block 3212 W. Center St., 2727 N. 32nd St., and 2758 N. 33rd St., Milwaukee, WI 53210 prepared by K. Singh & Associates, Inc., September 13, 2021.

13. Wisconsin State Climatology Office. http://www.aos.wisc.edu/~sco/

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16. Wisconsin Department of Natural Resources Surface Water Viewer. http://dnr.wi.gov/topic/surfacewater/swdv/

17. Wisconsin Historical Society National Register and State Register of Historic Places. http://www.wisconsinhistory.org/Content.aspx?dsNav=N:1160

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21. Soil Cleanup Standards, Wisconsin Administrative Code, NR 720, November 2013.

22. Web Page: https://pfas-1.itrcweb.org/2-5-pfas-uses/

23. Groundwater Quality, NR 140, Wisconsin Administrative Code, June 2021.

24. Wisconsin Department of Natural Resources, Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin, RR-800, July 2018.

25. Wisconsin Department of Natural Resources, Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors, RR-649, June 2021.

26. Groundwater Chemicals Desk Reference, Second Edition, Montgomery, John H., Lewis Publishers, 1996.

FIGURES

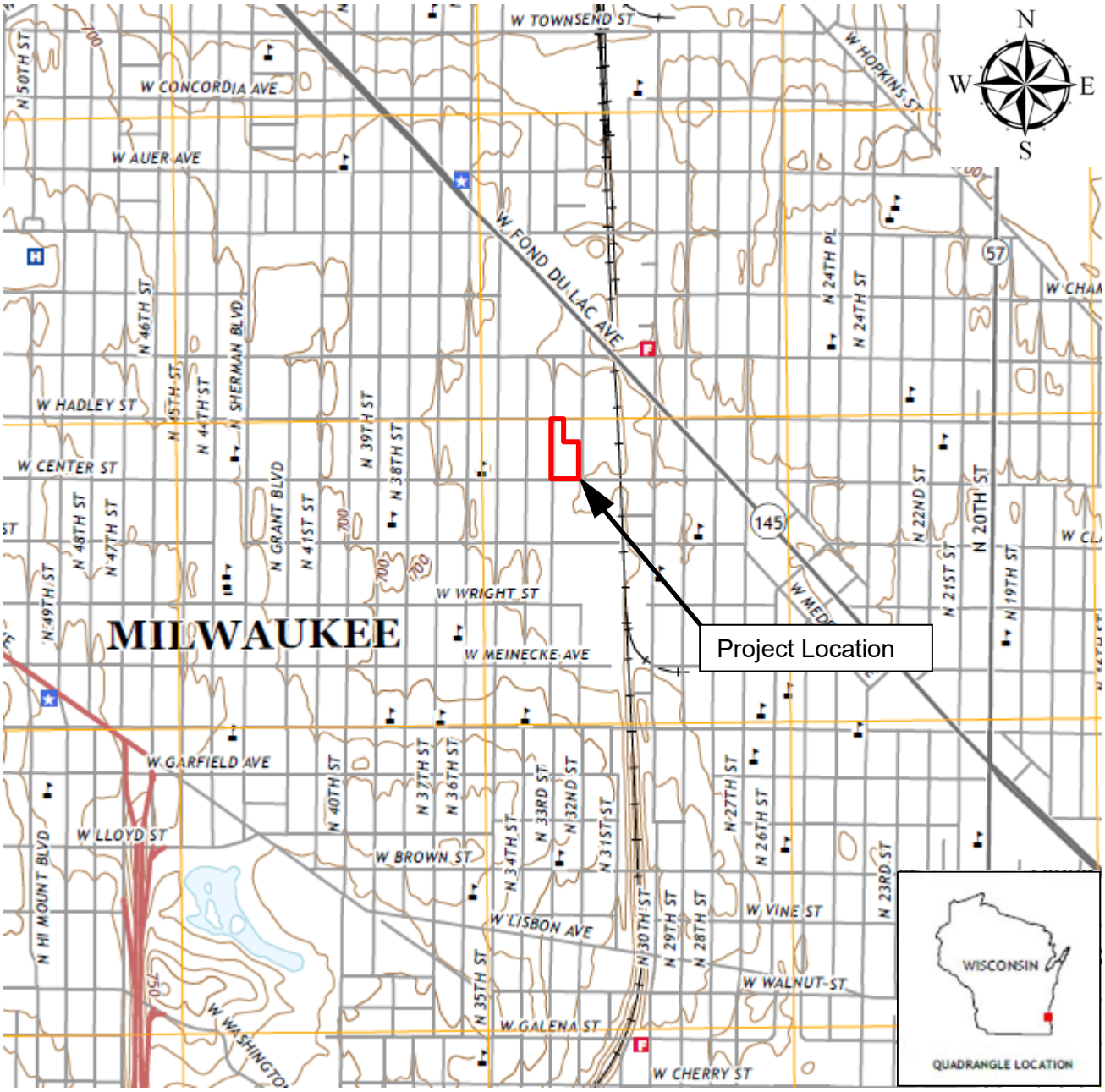
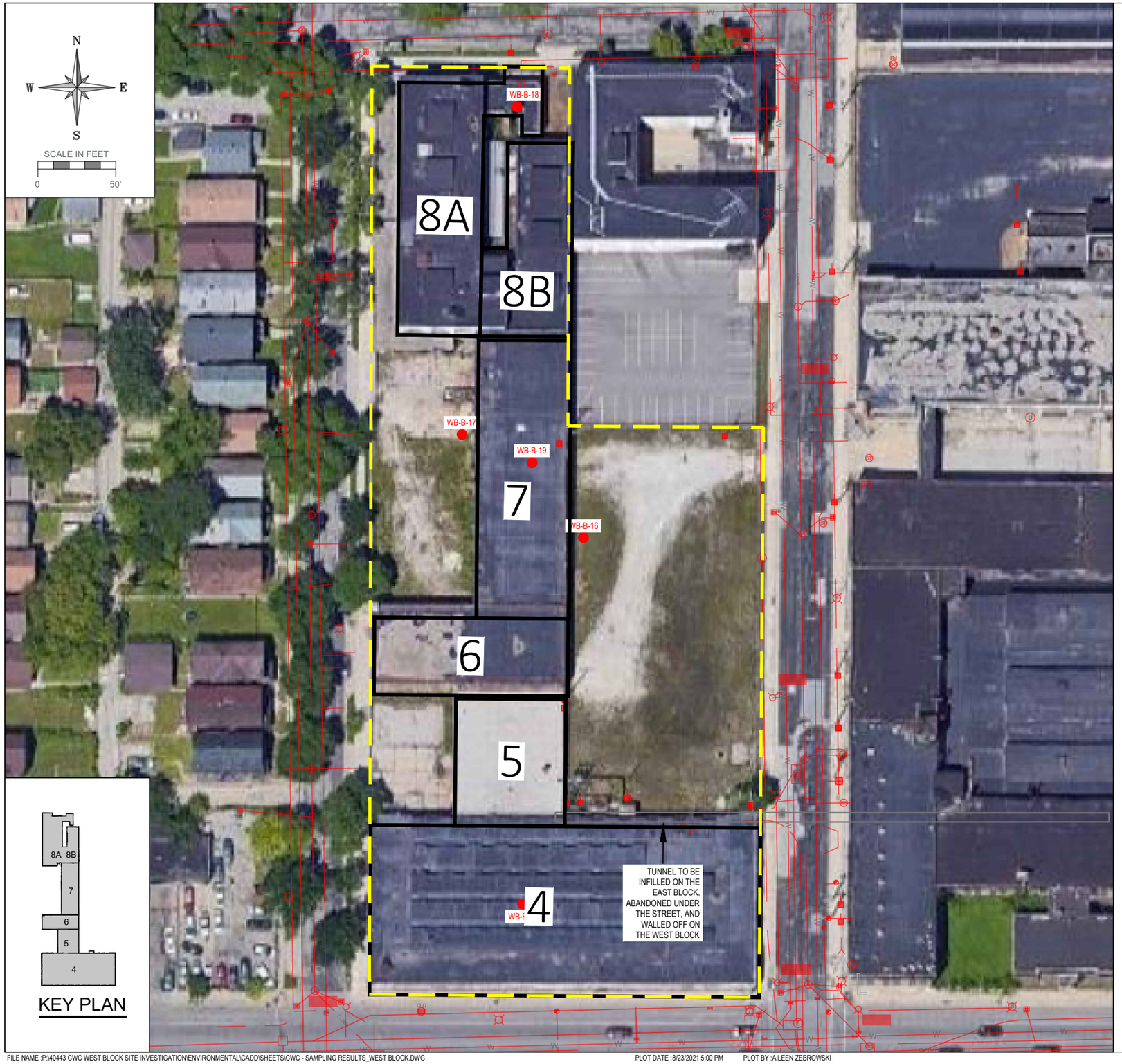


Figure 1 – Site Location Map

from 2018 Milwaukee Quadrangle, Wisconsin – Milwaukee County 7.5-minute series

Scale 1:24,000

KSingh Engineers Scientists Consultants



- Property Boundary
- SECTION CORNER MONUMENT
- EX. CHISELED CROSS FOUND
- EX. IRON ROD FOUND
- EX. IRON PIPE FOUND
- EX. CITY OR SITE BENCHARK
- EX. STORM MANHOLE
- EX. CATCH BASIN ROUND
- EX. CATCH BASIN SQUARE
- EX. FLOOD LAMP
- EX. BOLLARD LIGHT
- EX. FLAG POLE
- EX. GAS VALVE
- EX. AIR CONDITIONER
- EX. ELECTRIC METER
- EX. GAS METER
- EX. ELECTRIC PEDESTAL
- EX. TELEPHONE PEDESTAL
- EX. CLEANOUT
- EX. POWER POLE
- EX. POWER / TELEPHONE POLE
- EX. MONITORING WELL OR CORING
- EX. MAILBOX
- EX. SANITARY MANHOLE
- EX. UNKNOWN MANHOLE
- EX. COMBINED SEWER MANHOLE
- EX. ELECTRIC MANHOLE
- EX. ELECTRIC TRANSFORMER
- EX. TELEPHONE MANHOLE
- EX. GUY WIRE
- EX. LIGHT POLE
- EX. SIGN
- EX. BOLLARD (BOL)
- EX. WATER VALVE
- EX. HYDRANT
- EX. SIAMESE HYDRANT

- EX. OVERHEAD WIRES
- EX. BUREAU OF ELECTRICAL SERVICES
- EX. UG. COMBINED SEWER
- EX. CITY UG. CONDUIT/COMM
- EX. UG. COMMUNICATIONS
- EX. UG. TELEPHONE
- EX. UG. GAS
- EX. UG. ELECTRIC
- EX. UG. FIBER OPTICS
- EX. UG. CABLE TELEVISION
- EX. SANITARY SEWER (SAN)
- EX. STORM SEWER (STO)
- EX. WATER MAIN
- EX. TREE LINE
- EX. FENCE LINE
- EX. RETAINING WALL
- EX. STEEL RAILING
- EX. 1-FOOT CONTOUR
- EX. 5-FOOT CONTOUR
- PROP. STRAW WATTLE
- PROP. SILT FENCE

UNDERGROUND COMBUSTIBLE GAS LINE

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

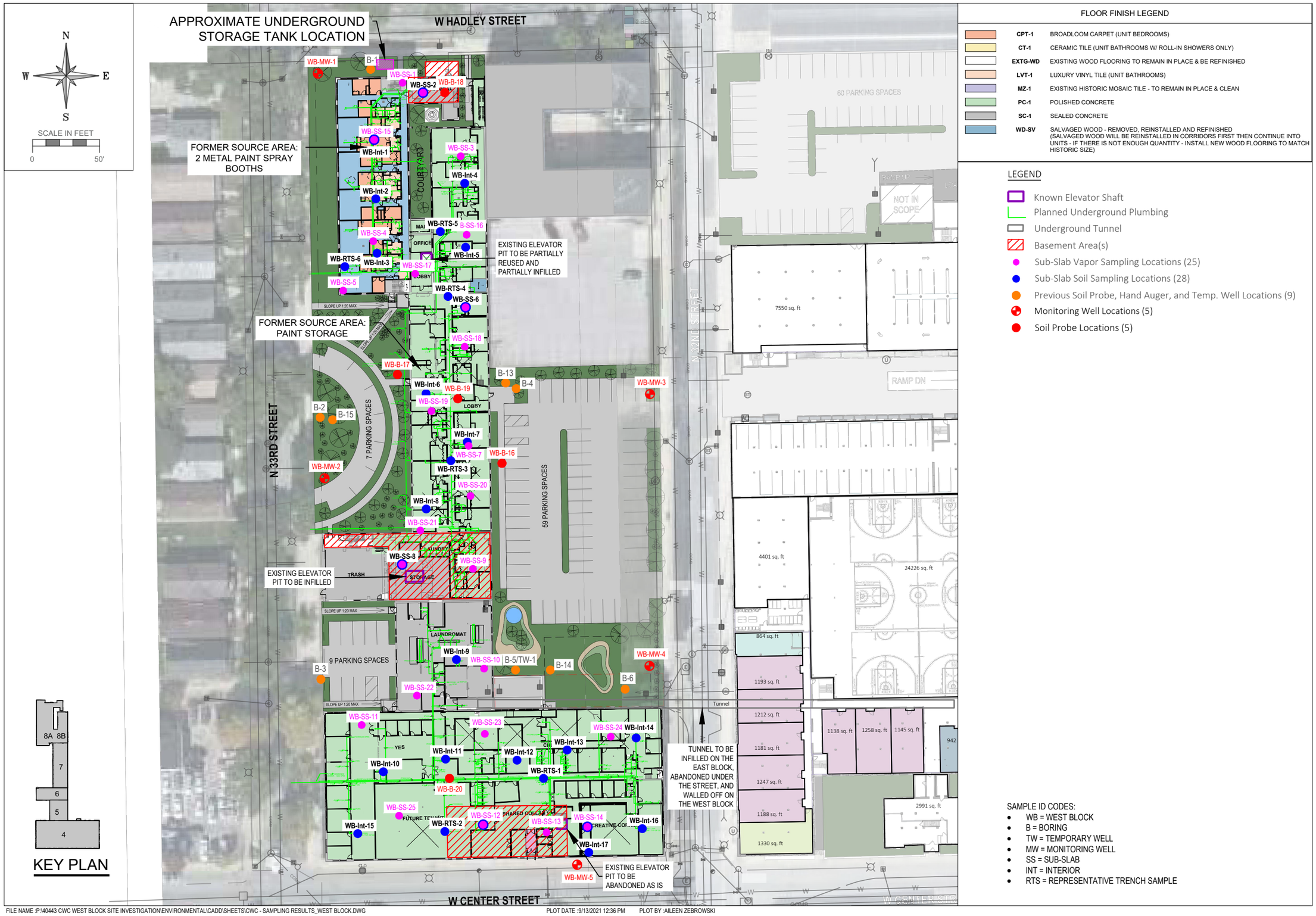
DRAWN BY	DATE
AMZ	08/10/2021
CHECKED BY	DATE
DKP	08/10/2021

SHEET TITLE

SITE AERIAL VIEW WITH UTILITY LOCATIONS

FIGURE 2

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG PLOT DATE :8/23/2021 5:00 PM PLOT BY :AILEEN ZEBROWSKI



N
W E
S

SCALE IN FEET
0 50'

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Vapor Sampling Locations (25)
- Sub-Slab Soil Sampling Locations (28)
- Previous Soil Probe, Hand Auger, and Temp. Well Locations (9)
- Monitoring Well Locations (5)
- Soil Probe Locations (5)

SAMPLE ID CODES:

- WB = WEST BLOCK
- B = BORING
- TW = TEMPORARY WELL
- MW = MONITORING WELL
- SS = SUB-SLAB
- INT = INTERIOR
- RTS = REPRESENTATIVE TRENCH SAMPLE

KEY PLAN

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

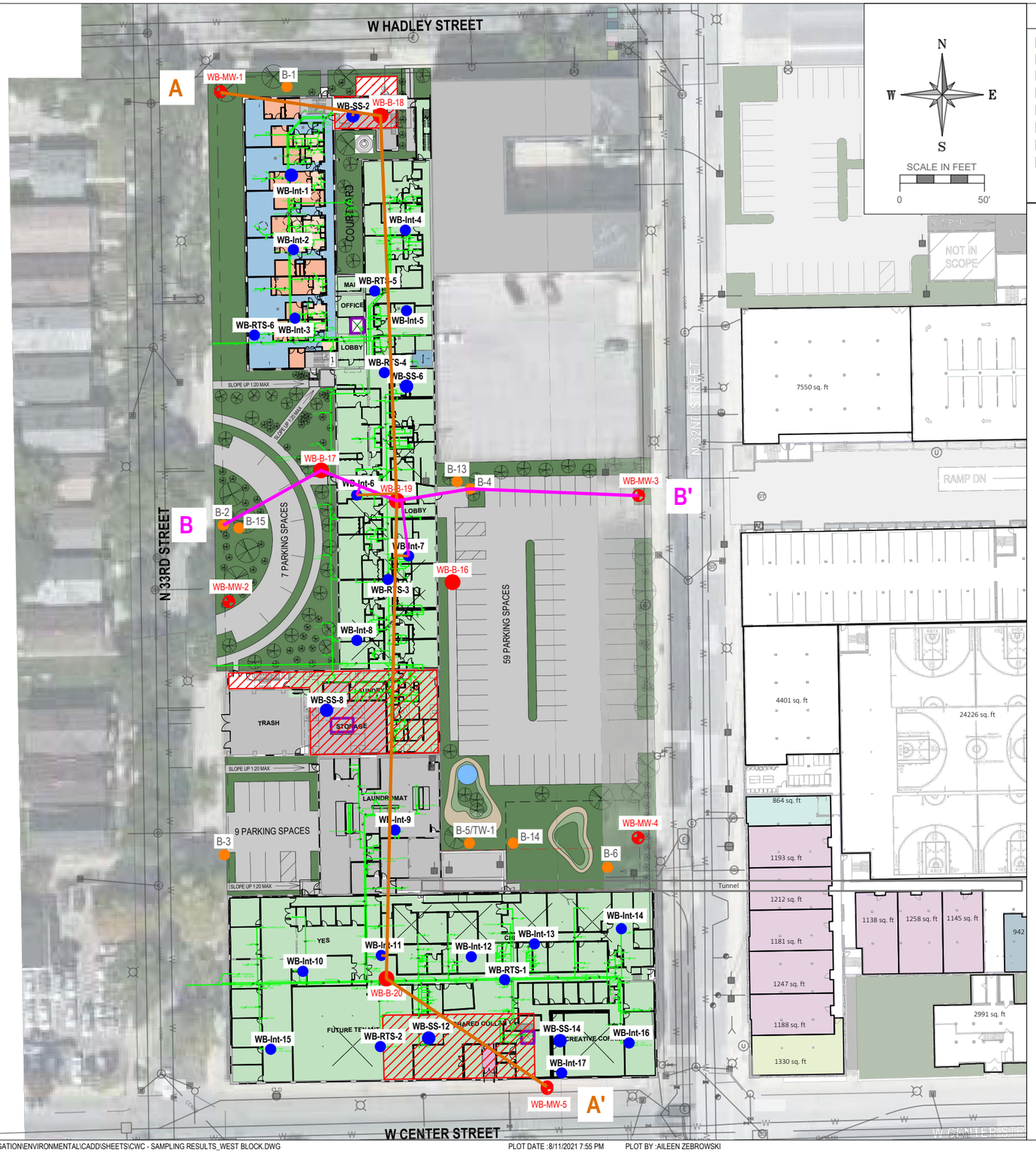
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

SHEET TITLE
LOCATION OF SOIL PROBES, MONITORING WELLS, SUB-SLAB VAPOR & SUB-SLAB SOIL SAMPLES

FIGURE 3

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG PLOT DATE :9/13/2021 12:36 PM PLOT BY :AILEEN ZEBROWSKI



FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Soil Sampling Locations (28)
- Previous Soil Probes, Hand Augers, and Temp. Well Locations (9)
- Soil Probe Locations (5)
- Monitoring Well Locations (5)

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3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

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PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT:
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

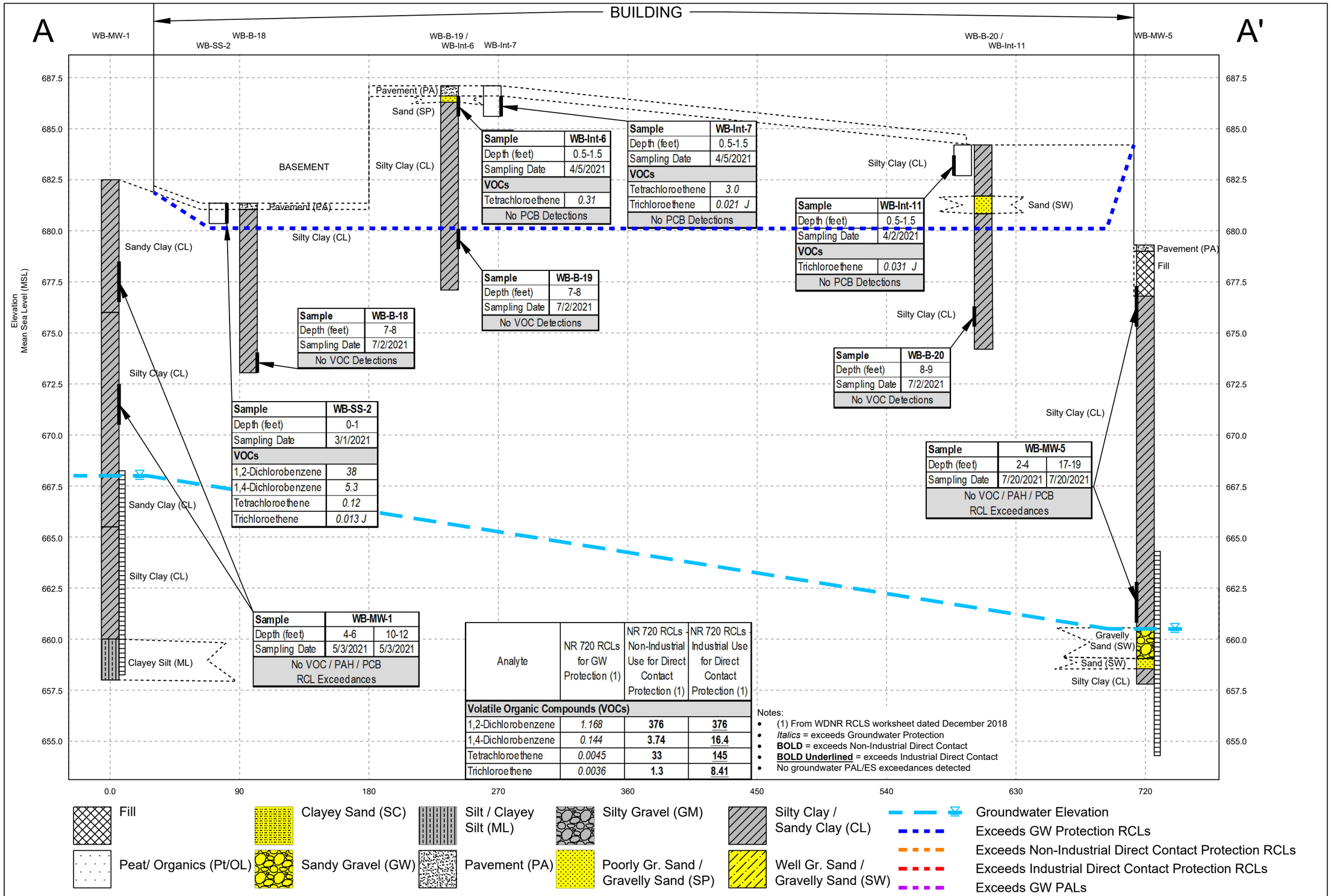
DRAWN BY	DATE
AMZ	08/10/2021
CHECKED BY	DATE
DKP	08/10/2021

SHEET TITLE

LOCATION OF GEOLOGICAL CROSS SECTIONS

FIGURE 4

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG PLOT DATE :8/11/2021 7:55 PM PLOT BY :AILEEN ZEBROWSKI



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PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
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CLIENT:
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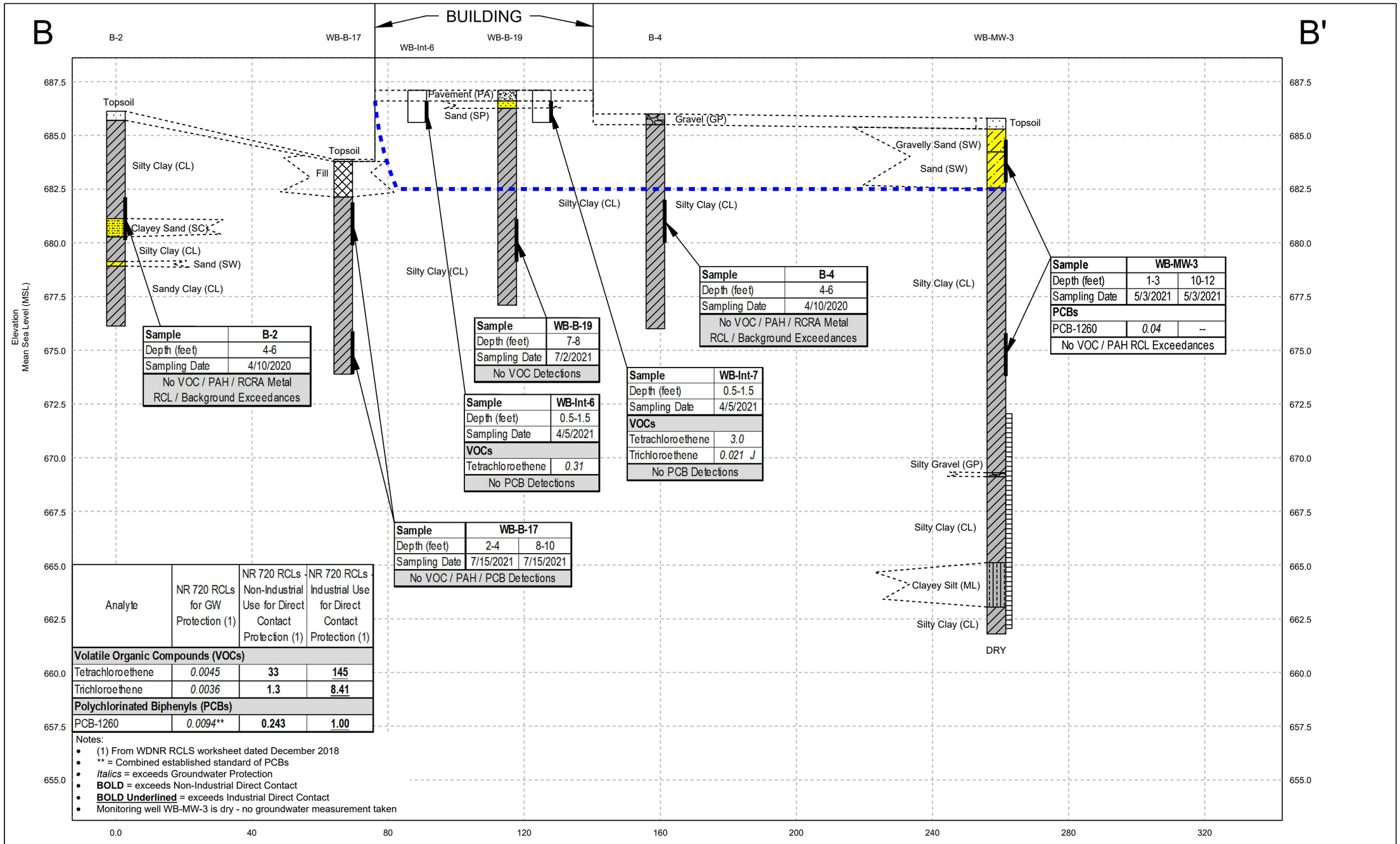
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	08/10/2021
CHECKED BY	DATE
DKP	08/10/2021

SHEET TITLE
GEOLOGICAL CROSS SECTION
A-A'

FIGURE 5

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG
PLOT DATE :8/17/2021 10:35 AM
PLOT BY :AILEEN ZEBROWSKI



Sample	B-2
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-19
Depth (feet)	7-8
Sampling Date	7/2/2021
No VOC Detections	

Sample	WB-Int-6
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*0.31*
No PCB Detections	

Sample	WB-Int-7
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*3.0*
Trichloroethene	*0.021 J*
No PCB Detections	

Sample	WB-B-17	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB Detections		

Sample	B-4
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-MW-3	
Depth (feet)	1-3	10-12
Sampling Date	5/3/2021	5/3/2021
PCBs		
PCB-1260	*0.04*	--
No VOC / PAH RCL Exceedances		

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs Industrial Use for Direct Contact Protection (1)
Volatile Organic Compounds (VOCs)			
Tetrachloroethene	*0.0045*	**33**	**145**
Trichloroethene	*0.0036*	**1.3**	**8.41**
Polychlorinated Biphenyls (PCBs)			
PCB-1260	*0.0094***	**0.243**	**1.00**

Notes:
- (1) From WDNR RCLS worksheet dated December 2018
- ** = Combined established standard of PCBs
- *Italics* = exceeds Groundwater Protection
- **BOLD** = exceeds Non-Industrial Direct Contact
- **BOLD Underlined** = exceeds Industrial Direct Contact
- Monitoring well WB-MW-3 is dry - no groundwater measurement taken

Fill
Topsoil
Clayey Sand (SC)
Sandy Gravel (GW)
Silt / Clayey Silt (ML)
Pavement (PA)
Silty Gravel (GM)
Poorly Gr. Sand / Gravelly Sand (SP)
Silty Clay / Sandy Clay (CL)
Well Gr. Sand / Gravelly Sand (SW)
Groundwater Elevation
Exceeds GW Protection RCLs
Exceeds Non-Industrial Direct Contact Protection RCLs
Exceeds Industrial Direct Contact Protection RCLs
Exceeds GW PALs

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PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

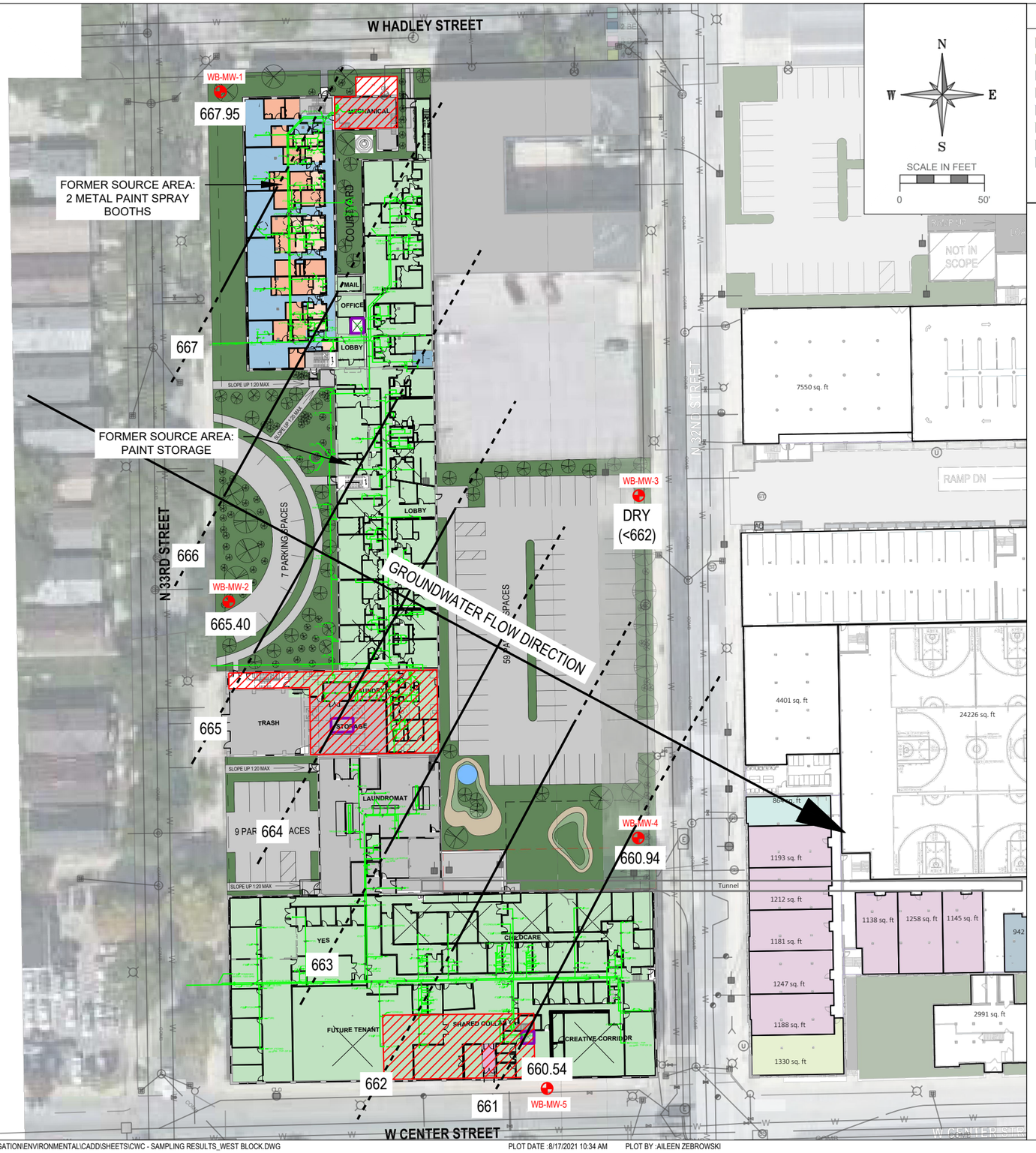
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	08/26/2021
CHECKED BY	DATE
DKP	08/26/2021

SHEET TITLE
GEOLOGICAL CROSS SECTION B-B'

FIGURE 6

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG PLOT DATE :9/8/2021 3:01 PM PLOT BY :AILEEN ZEBROWSKI



FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Monitoring Well Locations (5)

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3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
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MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

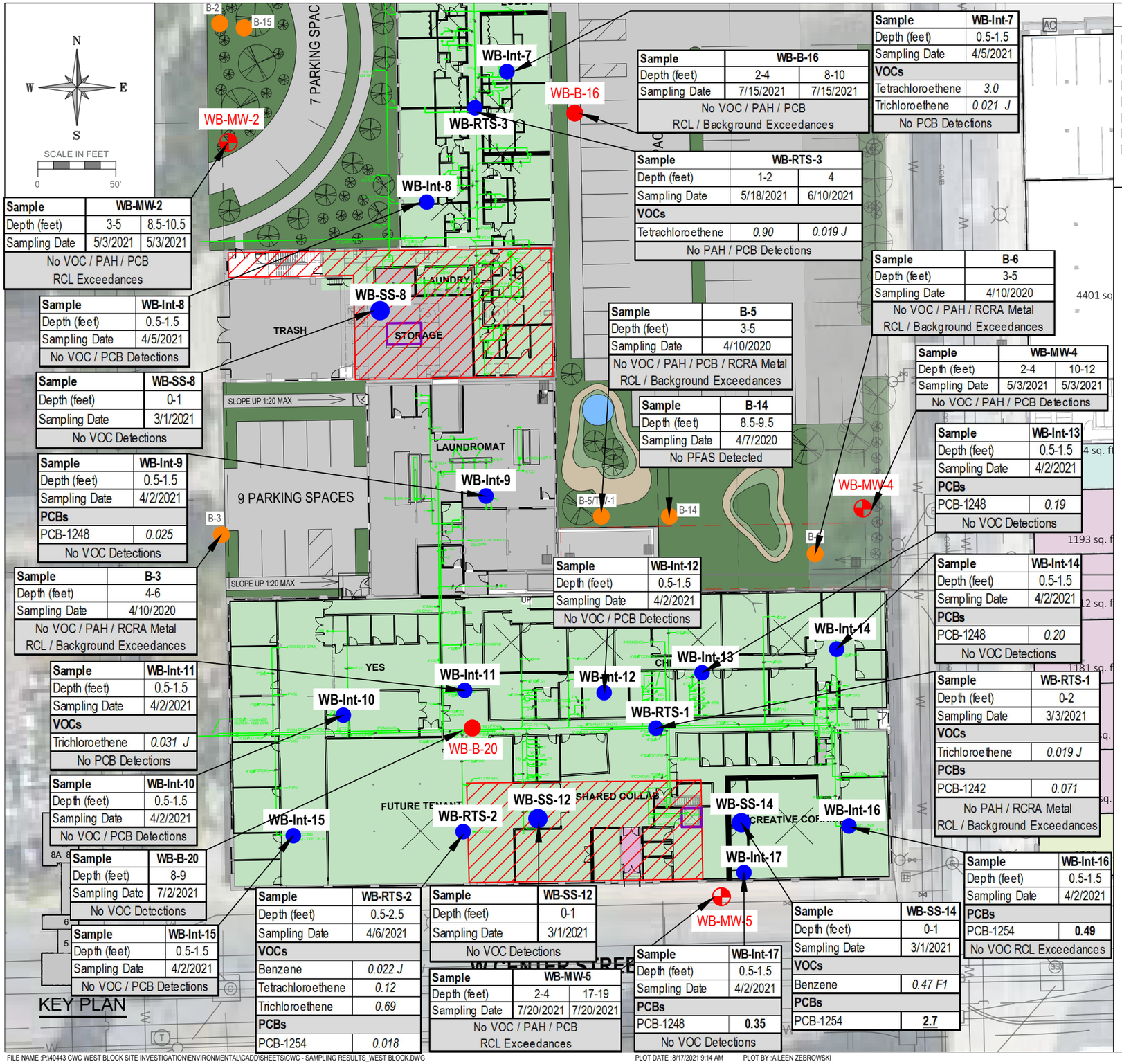
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	08/10/2021
CHECKED BY	DATE
DKP	08/10/2021

SHEET TITLE
GROUNDWATER ELEVATION MAP
07/29/2021

FIGURE 7

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG
PLOT DATE :8/17/2021 10:34 AM PLOT BY :AILEEN ZEBROWSKI



Sample	WB-MW-2	
Depth (feet)	3-5	8.5-10.5
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-8
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

Sample	WB-SS-8
Depth (feet)	0-1
Sampling Date	3/1/2021
No VOC Detections	

Sample	WB-Int-9
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.025*
No VOC Detections	

Sample	B-3
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-Int-11
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
VOCs	
Trichloroethene	*0.031 J*
No PCB Detections	

Sample	WB-Int-10
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-B-20
Depth (feet)	8-9
Sampling Date	7/2/2021
No VOC Detections	

Sample	WB-Int-15
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-RTS-2
Depth (feet)	0.5-2.5
Sampling Date	4/6/2021
VOCs	
Benzene	*0.022 J*
Tetrachloroethene	*0.12*
Trichloroethene	*0.69*
PCBs	
PCB-1254	*0.018*

Sample	WB-SS-12
Depth (feet)	0-1
Sampling Date	3/1/2021
No VOC Detections	

Sample	WB-MW-5	
Depth (feet)	2-4	17-19
Sampling Date	7/20/2021	7/20/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-17
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	**0.35**
No VOC Detections	

Sample	WB-SS-14
Depth (feet)	0-1
Sampling Date	3/1/2021
VOCs	
Benzene	*0.47 F1*
PCBs	
PCB-1254	**2.7**

Sample	WB-Int-16
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1254	**0.49**
No VOC RCL Exceedances	

Sample	WB-Int-12
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-Int-14
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.20*
No VOC Detections	

Sample	WB-RTS-1
Depth (feet)	0-2
Sampling Date	3/3/2021
VOCs	
Trichloroethene	*0.019 J*
PCBs	
PCB-1242	*0.071*
No PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-16	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB RCL / Background Exceedances		

Sample	WB-RTS-3	
Depth (feet)	1-2	4
Sampling Date	5/18/2021	6/10/2021
VOCs		
Tetrachloroethene	*0.90*	*0.019 J*
No PAH / PCB Detections		

Sample	B-5
Depth (feet)	3-5
Sampling Date	4/10/2020
No VOC / PAH / PCB / RCRA Metal RCL / Background Exceedances	

Sample	B-14
Depth (feet)	8.5-9.5
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-Int-7
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*3.0*
Trichloroethene	*0.021 J*
No PCB Detections	

Sample	B-6
Depth (feet)	3-5
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-MW-4	
Depth (feet)	2-4	10-12
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB Detections		

Sample	WB-Int-13
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.19*
No VOC Detections	

KEY PLAN

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Soil Sampling Locations
- Previous Soil Probe, Hand Auger, and Temporary Well Locations
- Soil Probe Locations
- Monitoring Well Locations

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)
Volatile Organic Compounds (VOCs)			
1,2-Dichlorobenzene	*1.168*	**376**	**376**
1,4-Dichlorobenzene	*0.144*	**3.74**	**16.4**
Benzene	*0.0051*	**1.6**	**7.07**
Tetrachloroethene	*0.0045*	**33**	**145**
Trichloroethene	*0.0036*	**1.3**	**8.41**
Polychlorinated Biphenyls (PCBs)			
PCB-1242	*0.0094***	**0.235**	**0.972**
PCB-1248	*0.0094***	**0.236**	**0.975**
PCB-1254	*0.0094***	**0.239**	**0.988**
PCB-1260	*0.0094***	**0.243**	**1.00**

NOTES:
1. (1) FROM WDNR RCLS WORKSHEET DATED DECEMBER 2018
2. REPORTED UNITS IN MG/KG
3. ONLY RCL EXCEEDANCES SHOWN
6. *Italics* = DETECTION IS ABOVE GROUNDWATER PROTECTION RCLS
6. **BOLD** = DETECTION IS ABOVE NON-INDUSTRIAL DIRECT CONTACT RCLS
7. **BOLD Underlined** = DETECTION IS ABOVE INDUSTRIAL DIRECT CONTACT RCLS
8. ** = COMBINED ESTABLISHED STANDARD OF PCBS
9. "F1" = MATRIX SPIKE AND/OR MATRIX SPIKE DUP RECOVERY EXCEEDS CONTROL LIMITS
10. "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
11. METHYLENE CHLORIDE OMITTED - COMPOUND DETECTED IN BLANK
12. SAMPLING LOCATIONS ARE APPROXIMATE

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3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
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CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	08/10/2021
CHECKED BY	DATE
DKP	08/10/2021

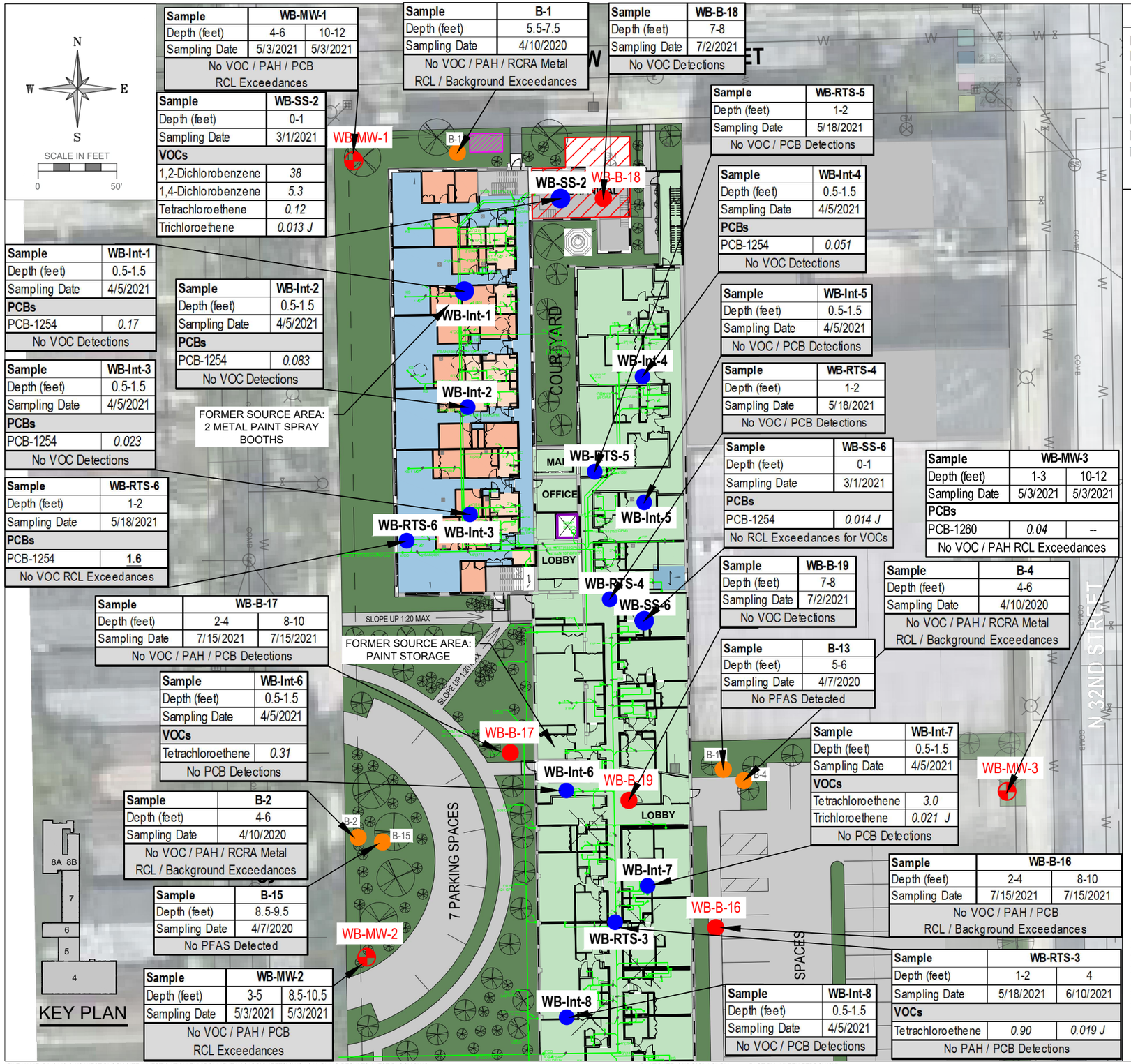
SHEET TITLE

SOIL SAMPLING RESULTS

FIGURE 8A

SHEET 8 of SHEET 15

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG
PLOT DATE :8/17/2021 9:14 AM PLOT BY :AILEEN ZEBROWSKI



Sample	WB-MW-1	
Depth (feet)	4-6	10-12
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	B-1
Depth (feet)	5.5-7.5
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-18
Depth (feet)	7-8
Sampling Date	7/2/2021
No VOC Detections	

Sample	WB-SS-2
Depth (feet)	0-1
Sampling Date	3/1/2021
VOCs	
1,2-Dichlorobenzene	*38*
1,4-Dichlorobenzene	*5.3*
Tetrachloroethene	*0.12*
Trichloroethene	*0.013 J*

Sample	WB-RTS-5
Depth (feet)	1-2
Sampling Date	5/18/2021
No VOC / PCB Detections	

Sample	WB-Int-4
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.051*
No VOC Detections	

Sample	WB-Int-1
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.17*
No VOC Detections	

Sample	WB-Int-2
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.083*
No VOC Detections	

Sample	WB-Int-5
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

Sample	WB-Int-3
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.023*
No VOC Detections	

Sample	WB-RTS-4
Depth (feet)	1-2
Sampling Date	5/18/2021
No VOC / PCB Detections	

Sample	WB-SS-6
Depth (feet)	0-1
Sampling Date	3/1/2021
PCBs	
PCB-1254	*0.014 J*
No RCL Exceedances for VOCs	

Sample	WB-MW-3	
Depth (feet)	1-3	10-12
Sampling Date	5/3/2021	5/3/2021
PCBs		
PCB-1260	*0.04*	--
No VOC / PAH RCL Exceedances		

Sample	WB-RTS-6
Depth (feet)	1-2
Sampling Date	5/18/2021
PCBs	
PCB-1254	**1.6**
No VOC RCL Exceedances	

Sample	WB-B-19
Depth (feet)	7-8
Sampling Date	7/2/2021
No VOC Detections	

Sample	B-4
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-17	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB Detections		

Sample	B-13
Depth (feet)	5-6
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-Int-6
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*0.31*
No PCB Detections	

Sample	WB-Int-7
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*3.0*
Trichloroethene	*0.021 J*
No PCB Detections	

Sample	B-2
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-16	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB RCL / Background Exceedances		

Sample	B-15
Depth (feet)	8.5-9.5
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-RTS-3	
Depth (feet)	1-2	4
Sampling Date	5/18/2021	6/10/2021
VOCs		
Tetrachloroethene	*0.90*	*0.019 J*
No PAH / PCB Detections		

Sample	WB-MW-2	
Depth (feet)	3-5	8.5-10.5
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-8
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
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	SC-1	SEALED CONCRETE
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LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Soil Sampling Locations
- Previous Soil Probe, Hand Auger, and Temporary Well Locations
- Soil Probe Locations
- Monitoring Well Locations

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)
Volatile Organic Compounds (VOCs)			
1,2-Dichlorobenzene	*1.168*	**376**	**376**
1,4-Dichlorobenzene	*0.144*	**3.74**	**16.4**
Benzene	*0.0051*	**1.6**	**7.07**
Tetrachloroethene	*0.0045*	**33**	**145**
Trichloroethene	*0.0036*	**1.3**	**8.41**
Polychlorinated Biphenyls (PCBs)			
PCB-1242	*0.0094***	**0.235**	**0.972**
PCB-1248	*0.0094***	**0.236**	**0.975**
PCB-1254	*0.0094***	**0.239**	**0.988**
PCB-1260	*0.0094***	**0.243**	**1.00**

NOTES:
1. (1) FROM WDNR RCLS WORKSHEET DATED DECEMBER 2018
2. REPORTED UNITS IN MG/KG
3. ONLY RCL EXCEEDANCES SHOWN
6. *Italics* = DETECTION IS ABOVE GROUNDWATER PROTECTION RCLS
6. **BOLD** = DETECTION IS ABOVE NON-INDUSTRIAL DIRECT CONTACT RCLS
7. **BOLD Underlined** = DETECTION IS ABOVE INDUSTRIAL DIRECT CONTACT RCLS
8. ** = COMBINED ESTABLISHED STANDARD OF PCBS
9. "F1" = MATRIX SPIKE AND/OR MATRIX SPIKE DUP RECOVERY EXCEEDS CONTROL LIMITS
10. "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
11. METHYLENE CHLORIDE OMITTED - COMPOUND DETECTED IN BLANK
12. SAMPLING LOCATIONS ARE APPROXIMATE

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

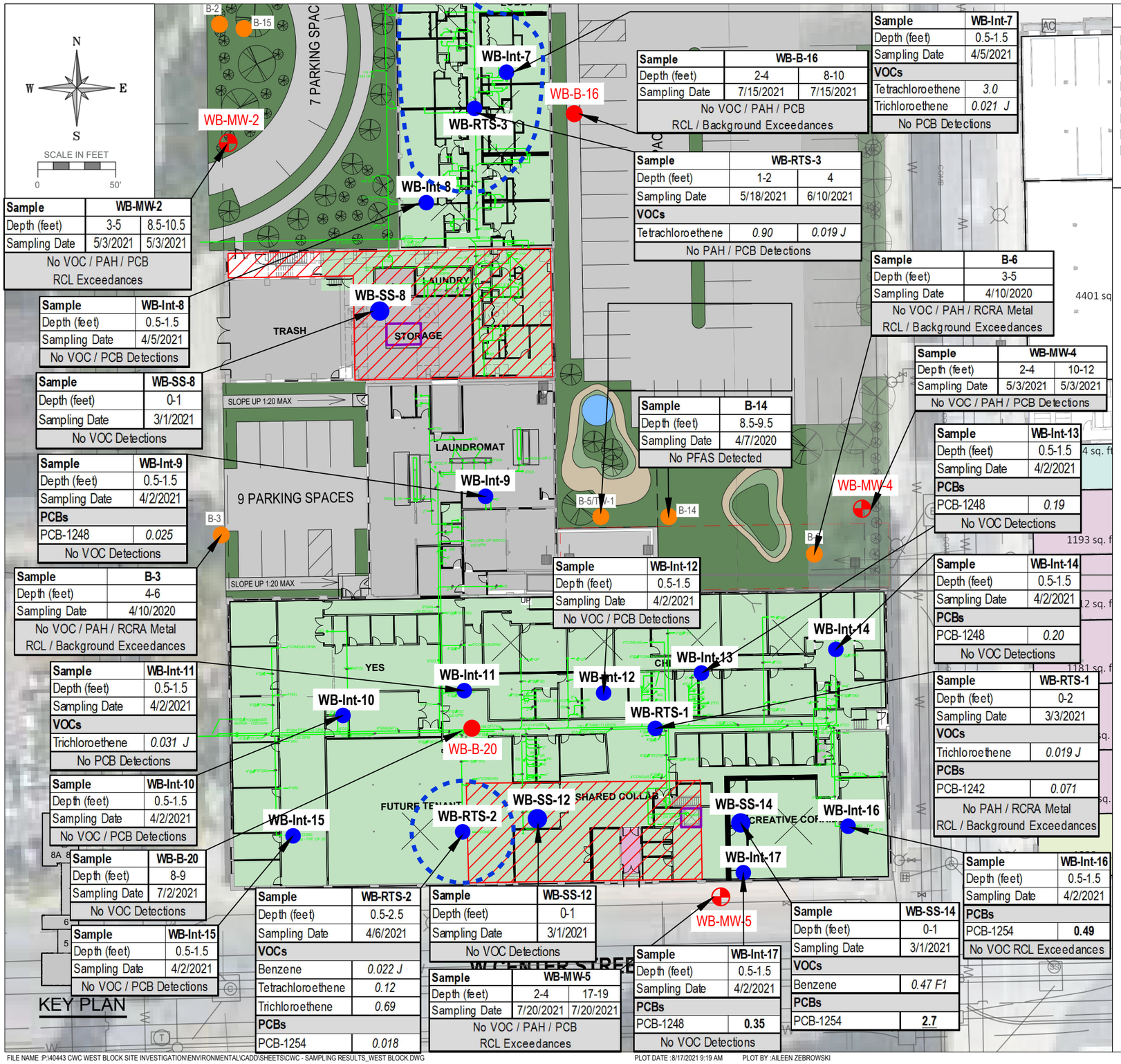
DRAWN BY AMZ	DATE 09/09/2021
CHECKED BY DKP	DATE 09/09/2021

SHEET TITLE

SOIL SAMPLING RESULTS

FIGURE 8B

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG
PLOT DATE :9/10/2021 1:27 PM PLOT BY :AILEEN ZEBROWSKI



Sample	WB-MW-2	
Depth (feet)	3-5	8.5-10.5
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-8
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

Sample	WB-SS-8
Depth (feet)	0-1
Sampling Date	3/1/2021
No VOC Detections	

Sample	WB-Int-9
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.025*
No VOC Detections	

Sample	B-3
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-Int-11
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
VOCs	
Trichloroethene	*0.031 J*
No PCB Detections	

Sample	WB-Int-10
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-B-20
Depth (feet)	8-9
Sampling Date	7/2/2021
No VOC Detections	

Sample	WB-Int-15
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-RTS-2
Depth (feet)	0.5-2.5
Sampling Date	4/6/2021
VOCs	
Benzene	*0.022 J*
Tetrachloroethene	*0.12*
Trichloroethene	*0.69*
PCBs	
PCB-1254	*0.018*

Sample	WB-SS-12
Depth (feet)	0-1
Sampling Date	3/1/2021
No VOC Detections	

Sample	WB-MW-5	
Depth (feet)	2-4	17-19
Sampling Date	7/20/2021	7/20/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-17
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	**0.35**
No VOC Detections	

Sample	WB-SS-14
Depth (feet)	0-1
Sampling Date	3/1/2021
VOCs	
Benzene	*0.47 F1*
PCBs	
PCB-1254	**2.7**

Sample	WB-Int-16
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1254	**0.49**
No VOC RCL Exceedances	

Sample	WB-Int-12
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-Int-14
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.20*
No VOC Detections	

Sample	WB-RTS-1
Depth (feet)	0-2
Sampling Date	3/3/2021
VOCs	
Trichloroethene	*0.019 J*
PCBs	
PCB-1242	*0.071*
No PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-Int-13
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.19*
No VOC Detections	

Sample	WB-MW-4	
Depth (feet)	2-4	10-12
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB Detections		

Sample	B-14
Depth (feet)	8.5-9.5
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-B-16	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB RCL / Background Exceedances		

Sample	WB-RTS-3	
Depth (feet)	1-2	4
Sampling Date	5/18/2021	6/10/2021
VOCs		
Tetrachloroethene	*0.90*	*0.019 J*
No PAH / PCB Detections		

Sample	B-6
Depth (feet)	3-5
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-Int-7
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*3.0*
Trichloroethene	*0.021 J*
No PCB Detections	

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Soil Sampling Locations
- Previous Soil Probe, Hand Auger, and Temporary Well Locations
- Soil Probe Locations
- Monitoring Well Locations
- Exceeds NR 720 RCLs for Groundwater Protection
- Exceeds NR 720 RCLs for Non-Industrial Direct Contact Protection
- Exceeds NR 720 RCLs for Industrial Direct Contact Protection

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)
Volatile Organic Compounds (VOCs)			
1,2-Dichlorobenzene	*1.168*	**376**	**376**
1,4-Dichlorobenzene	*0.144*	**3.74**	**16.4**
Benzene	*0.0051*	**1.6**	**7.07**
Tetrachloroethene	*0.0045*	**33**	**145**
Trichloroethene	*0.0036*	**1.3**	**8.41**
Polychlorinated Biphenyls (PCBs)			
PCB-1242	*0.0094***	**0.235**	**0.972**
PCB-1248	*0.0094***	**0.236**	**0.975**
PCB-1254	*0.0094***	**0.239**	**0.988**
PCB-1260	*0.0094***	**0.243**	**1.00**

NOTES:
1. (1) FROM WDNR RCLS WORKSHEET DATED DECEMBER 2018
2. REPORTED UNITS IN MG/KG
3. ONLY RCL EXCEEDANCES SHOWN
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6. **BOLD** = DETECTION IS ABOVE NON-INDUSTRIAL DIRECT CONTACT RCLS
7. **BOLD Underlined** = DETECTION IS ABOVE INDUSTRIAL DIRECT CONTACT RCLS
8. ** = COMBINED ESTABLISHED STANDARD OF PCBS
9. "F1" = MATRIX SPIKE AND/OR MATRIX SPIKE DUP RECOVERY EXCEEDS CONTROL LIMITS
10. "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
11. METHYLENE CHLORIDE OMITTED - COMPOUND DETECTED IN BLANK
12. SAMPLING LOCATIONS ARE APPROXIMATE

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3636 North 124th Street
Wauwatosa, WI 53222
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CONSULTANT

CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	08/10/2021
CHECKED BY	DATE
DKP	08/10/2021

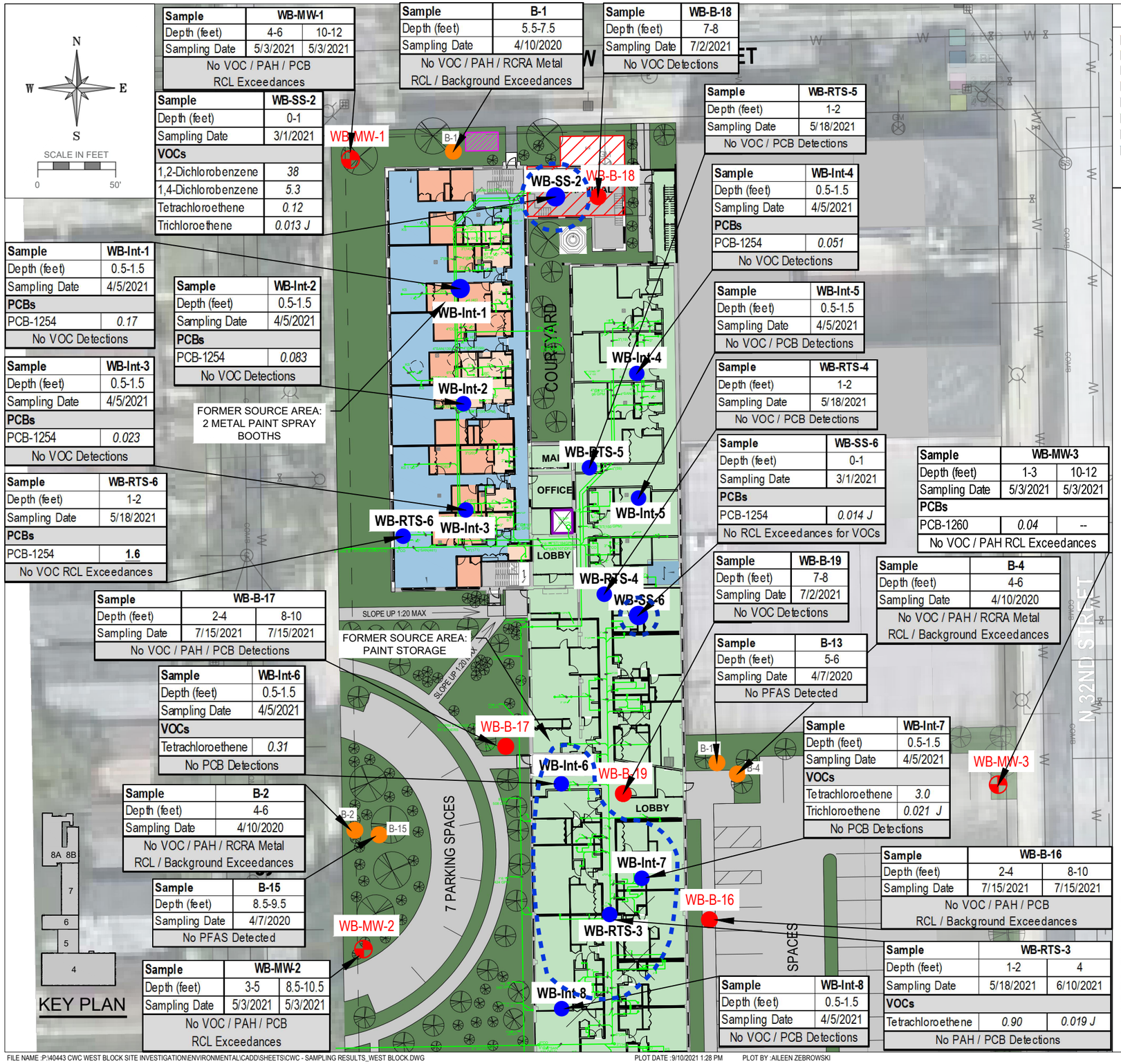
SHEET TITLE

SOIL ISOCONCENTRATION MAP (PCE)

FIGURE 9A

SHEET 10 of SHEET 15

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG
PLOT DATE :8/17/2021 9:19 AM PLOT BY :AILEEN ZEBROWSKI



Sample	WB-MW-1	
Depth (feet)	4-6	10-12
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	B-1
Depth (feet)	5.5-7.5
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-18
Depth (feet)	7-8
Sampling Date	7/2/2021
No VOC Detections	

Sample	WB-SS-2
Depth (feet)	0-1
Sampling Date	3/1/2021
VOCs	
1,2-Dichlorobenzene	*38*
1,4-Dichlorobenzene	*5.3*
Tetrachloroethene	*0.12*
Trichloroethene	*0.013 J*

Sample	WB-RTS-5
Depth (feet)	1-2
Sampling Date	5/18/2021
No VOC / PCB Detections	

Sample	WB-Int-4
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.051*
No VOC Detections	

Sample	WB-Int-1
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.17*
No VOC Detections	

Sample	WB-Int-5
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

Sample	WB-Int-2
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.083*
No VOC Detections	

Sample	WB-RTS-4
Depth (feet)	1-2
Sampling Date	5/18/2021
No VOC / PCB Detections	

Sample	WB-Int-3
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.023*
No VOC Detections	

Sample	WB-SS-6
Depth (feet)	0-1
Sampling Date	3/1/2021
PCBs	
PCB-1254	*0.014 J*
No RCL Exceedances for VOCs	

Sample	WB-MW-3	
Depth (feet)	1-3	10-12
Sampling Date	5/3/2021	5/3/2021
PCBs		
PCB-1260	*0.04*	--
No VOC / PAH RCL Exceedances		

Sample	WB-RTS-6
Depth (feet)	1-2
Sampling Date	5/18/2021
PCBs	
PCB-1254	**1.6**
No VOC RCL Exceedances	

Sample	WB-B-19
Depth (feet)	7-8
Sampling Date	7/2/2021
No VOC Detections	

Sample	B-4
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-17	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB Detections		

Sample	B-13
Depth (feet)	5-6
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-Int-6
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*0.31*
No PCB Detections	

Sample	WB-Int-7
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*3.0*
Trichloroethene	*0.021 J*
No PCB Detections	

Sample	B-2
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-16	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB RCL / Background Exceedances		

Sample	B-15
Depth (feet)	8.5-9.5
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-RTS-3	
Depth (feet)	1-2	4
Sampling Date	5/18/2021	6/10/2021
VOCs		
Tetrachloroethene	*0.90*	*0.019 J*
No PAH / PCB Detections		

Sample	WB-MW-2	
Depth (feet)	3-5	8.5-10.5
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-8
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

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- Underground Tunnel
- Basement Area(s)
- Sub-Slab Soil Sampling Locations
- Previous Soil Probe, Hand Auger, and Temporary Well Locations
- Soil Probe Locations
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- Exceeds NR 720 RCLs for Groundwater Protection
- Exceeds NR 720 RCLs for Non-Industrial Direct Contact Protection
- Exceeds NR 720 RCLs for Industrial Direct Contact Protection

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)
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1,4-Dichlorobenzene	*0.144*	**3.74**	**16.4**
Benzene	*0.0051*	**1.6**	**7.07**
Tetrachloroethene	*0.0045*	**33**	**145**
Trichloroethene	*0.0036*	**1.3**	**8.41**
Polychlorinated Biphenyls (PCBs)			
PCB-1242	*0.0094***	**0.235**	**0.972**
PCB-1248	*0.0094***	**0.236**	**0.975**
PCB-1254	*0.0094***	**0.239**	**0.988**
PCB-1260	*0.0094***	**0.243**	**1.00**

NOTES:
1. (1) FROM WDNR RCLS WORKSHEET DATED DECEMBER 2018
2. REPORTED UNITS IN MG/KG
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11. METHYLENE CHLORIDE OMITTED - COMPOUND DETECTED IN BLANK
12. SAMPLING LOCATIONS ARE APPROXIMATE

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PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
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PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

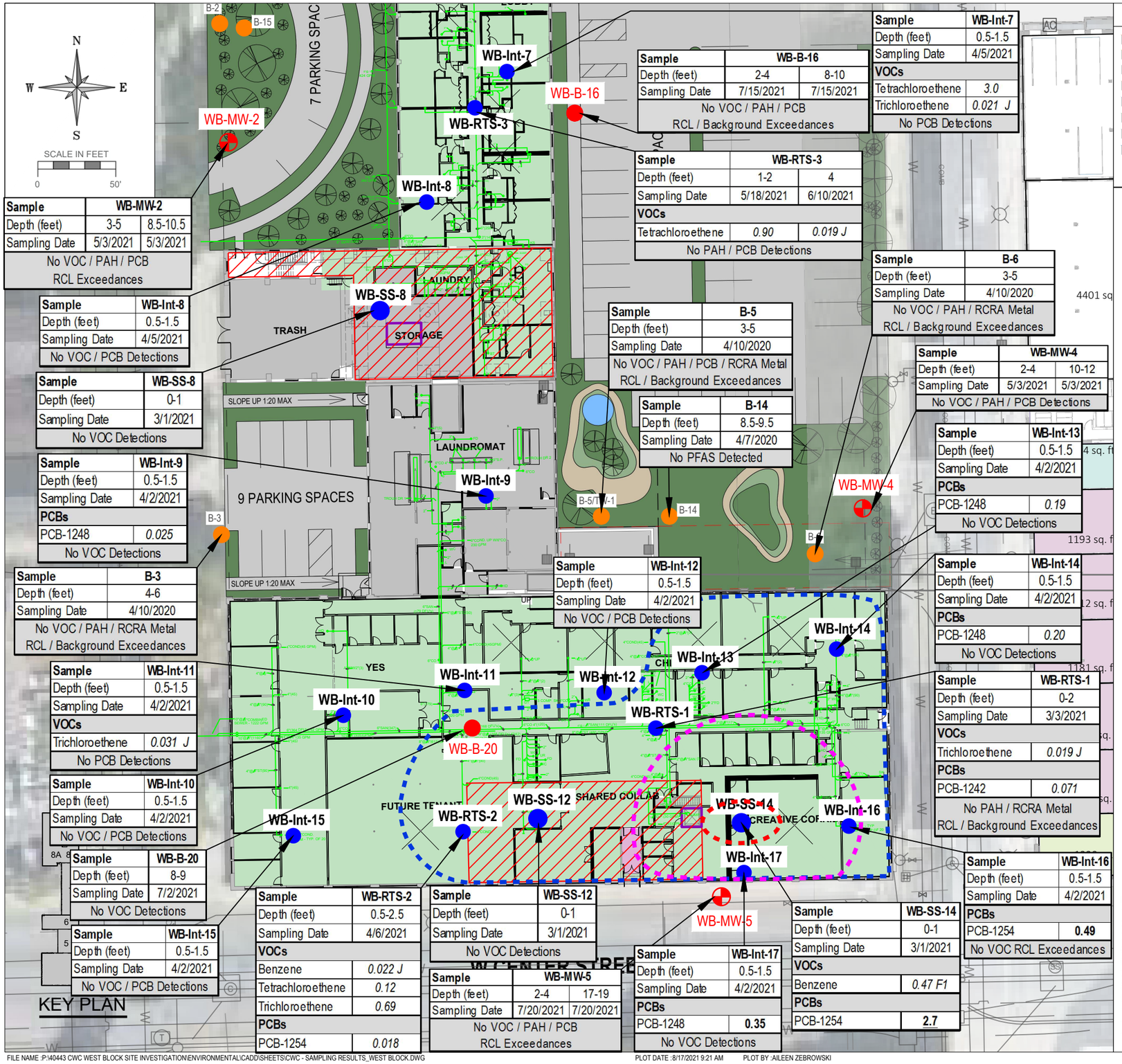
SHEET TITLE

SOIL ISOCONCENTRATION MAP (PCE)

FIGURE 9B

SHEET 11 of SHEET 15

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG
PLOT DATE :9/10/2021 1:28 PM PLOT BY :AILEEN ZEBROWSKI



Sample	WB-MW-2	
Depth (feet)	3-5	8.5-10.5
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-8
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

Sample	WB-SS-8
Depth (feet)	0-1
Sampling Date	3/1/2021
No VOC Detections	

Sample	WB-Int-9
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.025*
No VOC Detections	

Sample	B-3
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-Int-11
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
VOCs	
Trichloroethene	*0.031 J*
No PCB Detections	

Sample	WB-Int-10
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-B-20
Depth (feet)	8-9
Sampling Date	7/2/2021
No VOC Detections	

Sample	WB-Int-15
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-RTS-2
Depth (feet)	0.5-2.5
Sampling Date	4/6/2021
VOCs	
Benzene	*0.022 J*
Tetrachloroethene	*0.12*
Trichloroethene	*0.69*
PCBs	
PCB-1254	*0.018*

Sample	WB-SS-12
Depth (feet)	0-1
Sampling Date	3/1/2021
No VOC Detections	

Sample	WB-MW-5	
Depth (feet)	2-4	17-19
Sampling Date	7/20/2021	7/20/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-17
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	**0.35**
No VOC Detections	

Sample	WB-SS-14
Depth (feet)	0-1
Sampling Date	3/1/2021
VOCs	
Benzene	*0.47 F1*
PCBs	
PCB-1254	**2.7**

Sample	WB-B-16	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB RCL / Background Exceedances		

Sample	WB-RTS-3	
Depth (feet)	1-2	4
Sampling Date	5/18/2021	6/10/2021
VOCs		
Tetrachloroethene	*0.90*	*0.019 J*
No PAH / PCB Detections		

Sample	B-5
Depth (feet)	3-5
Sampling Date	4/10/2020
No VOC / PAH / PCB / RCRA Metal RCL / Background Exceedances	

Sample	B-14
Depth (feet)	8.5-9.5
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-Int-12
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
No VOC / PCB Detections	

Sample	WB-Int-7
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*3.0*
Trichloroethene	*0.021 J*
No PCB Detections	

Sample	B-6
Depth (feet)	3-5
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-MW-4	
Depth (feet)	2-4	10-12
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB Detections		

Sample	WB-Int-13
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.19*
No VOC Detections	

Sample	WB-Int-14
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1248	*0.20*
No VOC Detections	

Sample	WB-RTS-1
Depth (feet)	0-2
Sampling Date	3/3/2021
VOCs	
Trichloroethene	*0.019 J*
PCBs	
PCB-1242	*0.071*
No PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-Int-16
Depth (feet)	0.5-1.5
Sampling Date	4/2/2021
PCBs	
PCB-1254	**0.49**
No VOC RCL Exceedances	

FLOOR FINISH LEGEND

CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
PC-1	POLISHED CONCRETE
SC-1	SEALED CONCRETE
WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Soil Sampling Locations
- Previous Soil Probe, Hand Auger, and Temporary Well Locations
- Soil Probe Locations
- Monitoring Well Locations
- Exceeds NR 720 RCLs for Groundwater Protection
- Exceeds NR 720 RCLs for Non-Industrial Direct Contact Protection
- Exceeds NR 720 RCLs for Industrial Direct Contact Protection

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)
Volatile Organic Compounds (VOCs)			
1,2-Dichlorobenzene	*1.168*	**376**	**376**
1,4-Dichlorobenzene	*0.144*	**3.74**	**16.4**
Benzene	*0.0051*	**1.6**	**7.07**
Tetrachloroethene	*0.0045*	**33**	**145**
Trichloroethene	*0.0036*	**1.3**	**8.41**
Polychlorinated Biphenyls (PCBs)			
PCB-1242	*0.0094***	**0.235**	**0.972**
PCB-1248	*0.0094***	**0.236**	**0.975**
PCB-1254	*0.0094***	**0.239**	**0.988**
PCB-1260	*0.0094***	**0.243**	**1.00**

NOTES:
1. (1) FROM WDNR RCLS WORKSHEET DATED DECEMBER 2018
2. REPORTED UNITS IN MG/KG
3. ONLY RCL EXCEEDANCES SHOWN
6. *Italics* = DETECTION IS ABOVE GROUNDWATER PROTECTION RCLS
6. **BOLD** = DETECTION IS ABOVE NON-INDUSTRIAL DIRECT CONTACT RCLS
7. **BOLD Underlined** = DETECTION IS ABOVE INDUSTRIAL DIRECT CONTACT RCLS
8. ** = COMBINED ESTABLISHED STANDARD OF PCBS
9. "F1" = MATRIX SPIKE AND/OR MATRIX SPIKE DUP RECOVERY EXCEEDS CONTROL LIMITS
10. "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
11. METHYLENE CHLORIDE OMITTED - COMPOUND DETECTED IN BLANK
12. SAMPLING LOCATIONS ARE APPROXIMATE

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	08/10/2021
CHECKED BY	DATE
DKP	08/10/2021

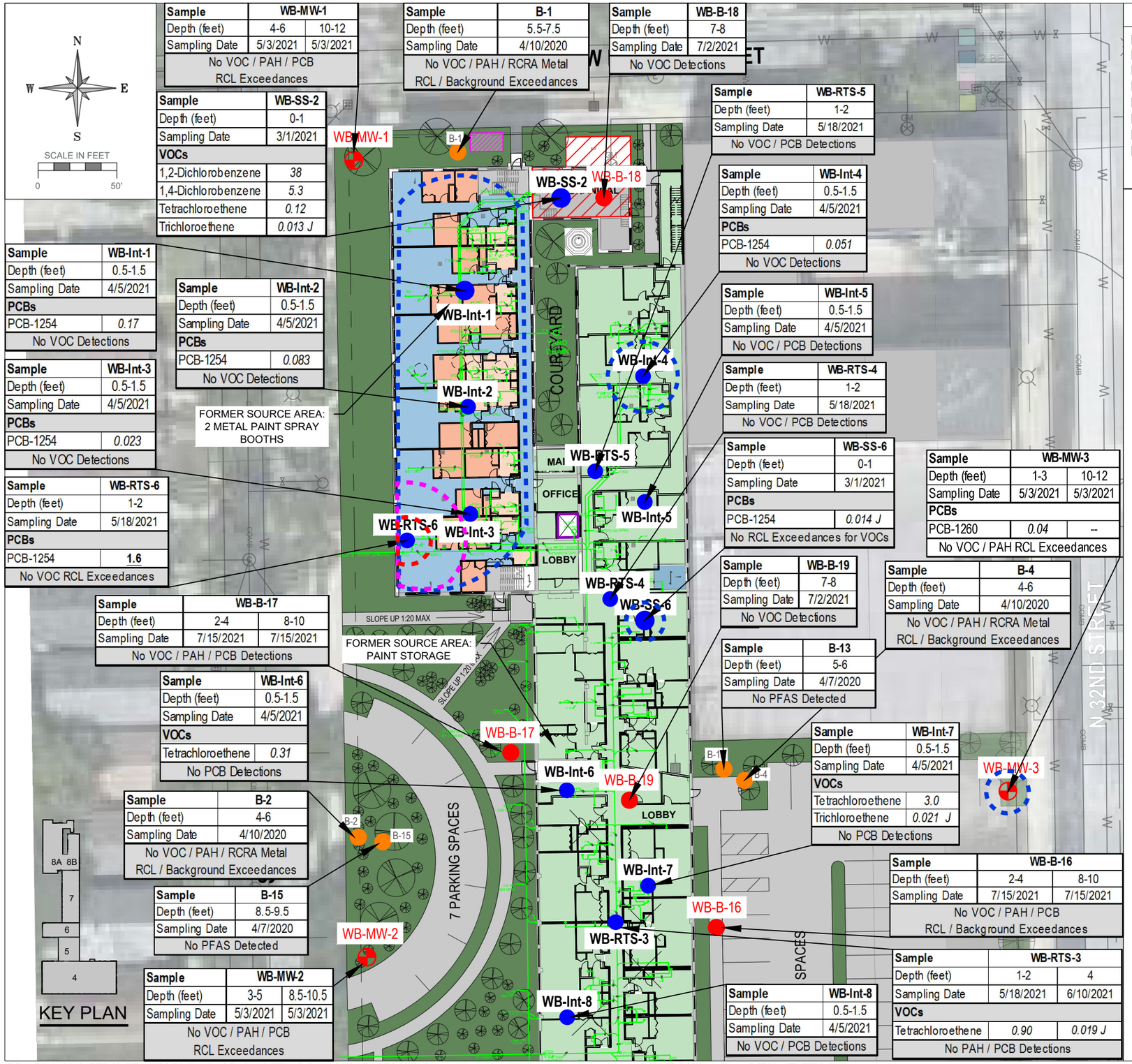
SHEET TITLE

SOIL ISOCONCENTRATION MAP (PCB)

FIGURE 9C

SHEET 12 of SHEET 15

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG
PLOT DATE :8/17/2021 9:21 AM PLOT BY :AILEEN ZEBROWSKI



Sample	WB-MW-1	
Depth (feet)	4-6	10-12
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	B-1
Depth (feet)	5.5-7.5
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-18
Depth (feet)	7-8
Sampling Date	7/2/2021
No VOC Detections	

Sample	WB-SS-2
Depth (feet)	0-1
Sampling Date	3/1/2021
VOCs	
1,2-Dichlorobenzene	*38*
1,4-Dichlorobenzene	*5.3*
Tetrachloroethene	*0.12*
Trichloroethene	*0.013 J*

Sample	WB-RTS-5
Depth (feet)	1-2
Sampling Date	5/18/2021
No VOC / PCB Detections	

Sample	WB-Int-4
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.051*
No VOC Detections	

Sample	WB-Int-1
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.17*
No VOC Detections	

Sample	WB-Int-5
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

Sample	WB-Int-2
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.083*
No VOC Detections	

Sample	WB-RTS-4
Depth (feet)	1-2
Sampling Date	5/18/2021
No VOC / PCB Detections	

Sample	WB-Int-3
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
PCBs	
PCB-1254	*0.023*
No VOC Detections	

Sample	WB-SS-6
Depth (feet)	0-1
Sampling Date	3/1/2021
PCBs	
PCB-1254	*0.014 J*
No RCL Exceedances for VOCs	

Sample	WB-MW-3	
Depth (feet)	1-3	10-12
Sampling Date	5/3/2021	5/3/2021
PCBs		
PCB-1260	*0.04*	--
No VOC / PAH RCL Exceedances		

Sample	WB-RTS-6
Depth (feet)	1-2
Sampling Date	5/18/2021
PCBs	
PCB-1254	**1.6**
No VOC RCL Exceedances	

Sample	WB-B-19
Depth (feet)	7-8
Sampling Date	7/2/2021
No VOC Detections	

Sample	B-4
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-17	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB Detections		

Sample	B-13
Depth (feet)	5-6
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-Int-6
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*0.31*
No PCB Detections	

Sample	WB-Int-7
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
VOCs	
Tetrachloroethene	*3.0*
Trichloroethene	*0.021 J*
No PCB Detections	

Sample	B-2
Depth (feet)	4-6
Sampling Date	4/10/2020
No VOC / PAH / RCRA Metal RCL / Background Exceedances	

Sample	WB-B-16	
Depth (feet)	2-4	8-10
Sampling Date	7/15/2021	7/15/2021
No VOC / PAH / PCB RCL / Background Exceedances		

Sample	B-15
Depth (feet)	8.5-9.5
Sampling Date	4/7/2020
No PFAS Detected	

Sample	WB-RTS-3	
Depth (feet)	1-2	4
Sampling Date	5/18/2021	6/10/2021
VOCs		
Tetrachloroethene	*0.90*	*0.019 J*
No PAH / PCB Detections		

Sample	WB-MW-2	
Depth (feet)	3-5	8.5-10.5
Sampling Date	5/3/2021	5/3/2021
No VOC / PAH / PCB RCL Exceedances		

Sample	WB-Int-8
Depth (feet)	0.5-1.5
Sampling Date	4/5/2021
No VOC / PCB Detections	

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Soil Sampling Locations
- Previous Soil Probe, Hand Auger, and Temporary Well Locations
- Soil Probe Locations
- Monitoring Well Locations
- Exceeds NR 720 RCLs for Groundwater Protection
- Exceeds NR 720 RCLs for Non-Industrial Direct Contact Protection
- Exceeds NR 720 RCLs for Industrial Direct Contact Protection

Analyte	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)
Volatile Organic Compounds (VOCs)			
1,2-Dichlorobenzene	*1.168*	**376**	**376**
1,4-Dichlorobenzene	*0.144*	**3.74**	**16.4**
Benzene	*0.0051*	**1.6**	**7.07**
Tetrachloroethene	*0.0045*	**33**	**145**
Trichloroethene	*0.0036*	**1.3**	**8.41**
Polychlorinated Biphenyls (PCBs)			
PCB-1242	*0.0094***	**0.235**	**0.972**
PCB-1248	*0.0094***	**0.236**	**0.975**
PCB-1254	*0.0094***	**0.239**	**0.988**
PCB-1260	*0.0094***	**0.243**	**1.00**

NOTES:
1. (1) FROM WDNR RCLS WORKSHEET DATED DECEMBER 2018
2. REPORTED UNITS IN MG/KG
3. ONLY RCL EXCEEDANCES SHOWN
6. *Italics* = DETECTION IS ABOVE GROUNDWATER PROTECTION RCLS
6. **BOLD** = DETECTION IS ABOVE NON-INDUSTRIAL DIRECT CONTACT RCLS
7. **BOLD Underlined** = DETECTION IS ABOVE INDUSTRIAL DIRECT CONTACT RCLS
8. ** = COMBINED ESTABLISHED STANDARD OF PCBS
9. "F1" = MATRIX SPIKE AND/OR MATRIX SPIKE DUP RECOVERY EXCEEDS CONTROL LIMITS
10. "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
11. METHYLENE CHLORIDE OMITTED - COMPOUND DETECTED IN BLANK
12. SAMPLING LOCATIONS ARE APPROXIMATE

KSingh Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171
CONSULTANT
CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT:
COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

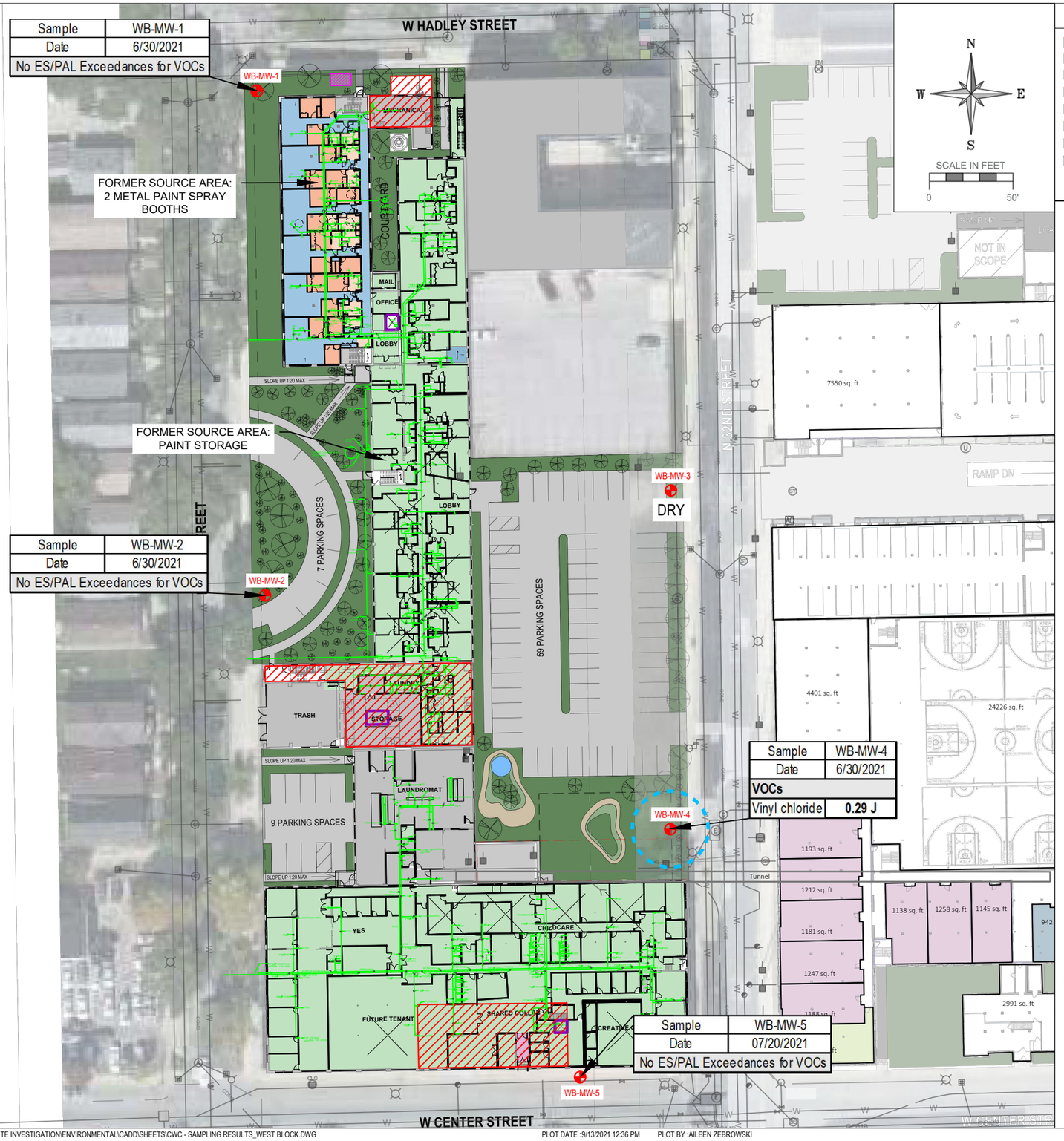
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

SHEET TITLE
SOIL ISOCONCENTRATION MAP (PCB)

FIGURE 9D

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG
PLOT DATE :9/10/2021 1:31 PM PLOT BY :AILEEN ZEBROWSKI



FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Monitoring Well Locations (5)
- Exceeds NR 140 Enforcement Standards

Groundwater Analyte	NR 140 PAL	NR 140 ES
Volatile Organic Compounds (VOCs)		
Vinyl chloride	*0.02*	**0.2**

NOTES:
1. PAL = PREVENTATIVE ACTION LIMITS
2. ES = ENFORCEMENT STANDARDS
3. REPORTED UNITS IN UG/KG
4. ONLY PAL / ES EXCEEDANCES SHOWN
5. *ITALICS* = DETECTION IS ABOVE NR 140 PAL
6. **BOLD** = DETECTION IS ABOVE NR 140 ES
10. "J" = ANALYTE DETECTED BETWEEN 'LIMIT OF DETECTION' AND 'LIMIT OF QUANTITATION'
11. METHYLENE CHLORIDE OMITTED - COMPOUND DETECTED IN BLANK
12. SAMPLING LOCATIONS ARE APPROXIMATE

KSingh Engineers Scientists Consultants
3636 North 124th Street
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CONSULTANT

CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

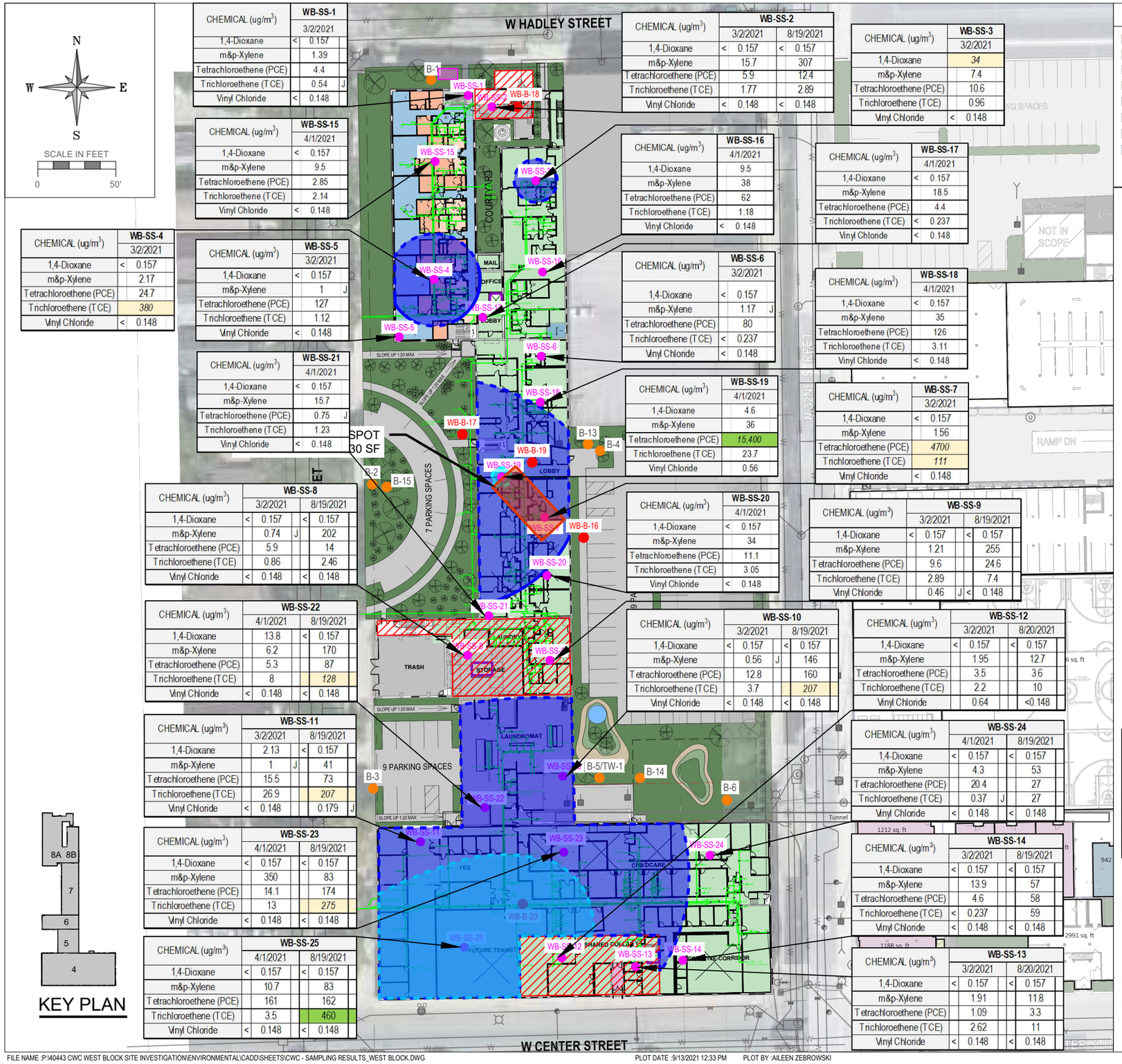
REVISIONS	DATE	DESCRIPTION

DRAWN BY AMZ	DATE 09/09/2021
CHECKED BY DKP	DATE 09/09/2021

SHEET TITLE
GROUNDWATER SAMPLING RESULTS

FIGURE 10

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG PLOT DATE :9/13/2021 12:36 PM PLOT BY :AILEEN ZEBROWSKI



CHEMICAL (ug/m^3)	WB-SS-1 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.39
Tetrachloroethene (PCE)	4.4
Trichloroethene (TCE)	0.54 J
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-2 3/2/2021	WB-SS-2 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	15.7	307
Tetrachloroethene (PCE)	5.9	12.4
Trichloroethene (TCE)	1.77	2.89
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-3 3/2/2021
1,4-Dioxane	*34*
m&p-Xylene	7.4
Tetrachloroethene (PCE)	10.6
Trichloroethene (TCE)	0.96
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-4 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	2.17
Tetrachloroethene (PCE)	24.7
Trichloroethene (TCE)	*380*
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-5 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1 J
Tetrachloroethene (PCE)	127
Trichloroethene (TCE)	1.12
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-6 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.17 J
Tetrachloroethene (PCE)	80
Trichloroethene (TCE)	< 0.237
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-7 3/2/2021
1,4-Dioxane	< 0.157
m&p-Xylene	1.56
Tetrachloroethene (PCE)	*4700*
Trichloroethene (TCE)	*111*
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-8 3/2/2021	WB-SS-8 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	0.74 J	202
Tetrachloroethene (PCE)	5.9	14
Trichloroethene (TCE)	0.86	2.46
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-9 3/2/2021	WB-SS-9 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.21	255
Tetrachloroethene (PCE)	9.6	24.6
Trichloroethene (TCE)	2.89	7.4
Vinyl Chloride	0.46 J	< 0.148

CHEMICAL (ug/m^3)	WB-SS-10 3/2/2021	WB-SS-10 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	0.56 J	146
Tetrachloroethene (PCE)	12.8	160
Trichloroethene (TCE)	3.7	*207*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-11 3/2/2021	WB-SS-11 8/19/2021
1,4-Dioxane	2.13	< 0.157
m&p-Xylene	1 J	41
Tetrachloroethene (PCE)	15.5	73
Trichloroethene (TCE)	26.9	*207*
Vinyl Chloride	< 0.148	0.179 J

CHEMICAL (ug/m^3)	WB-SS-12 3/2/2021	WB-SS-12 8/20/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.95	12.7
Tetrachloroethene (PCE)	3.5	3.6
Trichloroethene (TCE)	2.2	10
Vinyl Chloride	0.64	<0.148

CHEMICAL (ug/m^3)	WB-SS-13 3/2/2021	WB-SS-13 8/20/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	1.91	11.8
Tetrachloroethene (PCE)	1.09	3.3
Trichloroethene (TCE)	2.62	11
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-14 3/2/2021	WB-SS-14 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	13.9	57
Tetrachloroethene (PCE)	4.6	58
Trichloroethene (TCE)	< 0.237	59
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-15 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	9.5
Tetrachloroethene (PCE)	2.85
Trichloroethene (TCE)	2.14
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-16 4/1/2021
1,4-Dioxane	9.5
m&p-Xylene	38
Tetrachloroethene (PCE)	62
Trichloroethene (TCE)	1.18
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-17 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	18.5
Tetrachloroethene (PCE)	4.4
Trichloroethene (TCE)	< 0.237
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-18 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	35
Tetrachloroethene (PCE)	126
Trichloroethene (TCE)	3.11
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-19 4/1/2021
1,4-Dioxane	4.6
m&p-Xylene	36
Tetrachloroethene (PCE)	*15,400*
Trichloroethene (TCE)	23.7
Vinyl Chloride	0.56

CHEMICAL (ug/m^3)	WB-SS-20 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	34
Tetrachloroethene (PCE)	11.1
Trichloroethene (TCE)	3.05
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-21 4/1/2021
1,4-Dioxane	< 0.157
m&p-Xylene	15.7
Tetrachloroethene (PCE)	0.75 J
Trichloroethene (TCE)	1.23
Vinyl Chloride	< 0.148

CHEMICAL (ug/m^3)	WB-SS-22 4/1/2021	WB-SS-22 8/19/2021
1,4-Dioxane	13.8	< 0.157
m&p-Xylene	6.2	170
Tetrachloroethene (PCE)	5.3	87
Trichloroethene (TCE)	8	*128*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-23 4/1/2021	WB-SS-23 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	350	83
Tetrachloroethene (PCE)	14.1	174
Trichloroethene (TCE)	13	*275*
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-24 4/1/2021	WB-SS-24 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	4.3	53
Tetrachloroethene (PCE)	20.4	27
Trichloroethene (TCE)	0.37 J	27
Vinyl Chloride	< 0.148	< 0.148

CHEMICAL (ug/m^3)	WB-SS-25 4/1/2021	WB-SS-25 8/19/2021
1,4-Dioxane	< 0.157	< 0.157
m&p-Xylene	10.7	83
Tetrachloroethene (PCE)	161	162
Trichloroethene (TCE)	3.5	460
Vinyl Chloride	< 0.148	< 0.148

KEY PLAN

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Vapor Sampling Locations (25)
- Approximate WI Residential VRSL Exceedance Extents
- Approximate WI Small Commercial / Industrial VRSL Exceedance Extents
- Hot Spot Removal Area

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL		
	RESIDENTIAL	SMALL COMMERCIAL / INDUSTRIAL	LARGE COMMERCIAL / INDUSTRIAL
1,4-Dioxane	18.7	83.3	250
m&p-Xylene	3,300	15,000	44,000
Tetrachloroethene (PCE)	1,400	6,000	18,000
Trichloroethene (TCE)	70	290	880
Vinyl Chloride	57	930	2,800

NOTES:

1. ALL RESULTS ARE IN MICROGRAMS PER CUBIC METER (ug/m^3)
2. VRSL = VAPOR RISK SCREENING LEVELS
3. ONLY RESULTS EXCEEDING VRSLS ARE SHOWN
4. *ITALICS* INDICATES DETECTION IS ABOVE RESIDENTIAL VRSLS
5. **BOLD** INDICATES DETECTION IS ABOVE LARGE COMMERCIAL / INDUSTRIAL VRSLS
6. VRSLS BASED ON WI VAPOR QUICK LOOKUP - TABLE VAPOR RISK SCREENING LEVELS
7. SAMPLING LOCATIONS ARE APPROXIMATE
8. PLANS UNDERWAY TO REVISE WD-SV TO SC-1 UNDERLAIN BY 50-MIL SUB-MEMBRANE.

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Wauwatosa, WI 53222
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CONSULTANT

CONSULTANT

PROJECT TITLE: SITE INVESTIGATION REPORT
3212 W. CENTER ST., 2727 N. 32ND ST., 2758 N. 33RD ST.
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI 53210
PROJECT NUMBER: 40443

CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

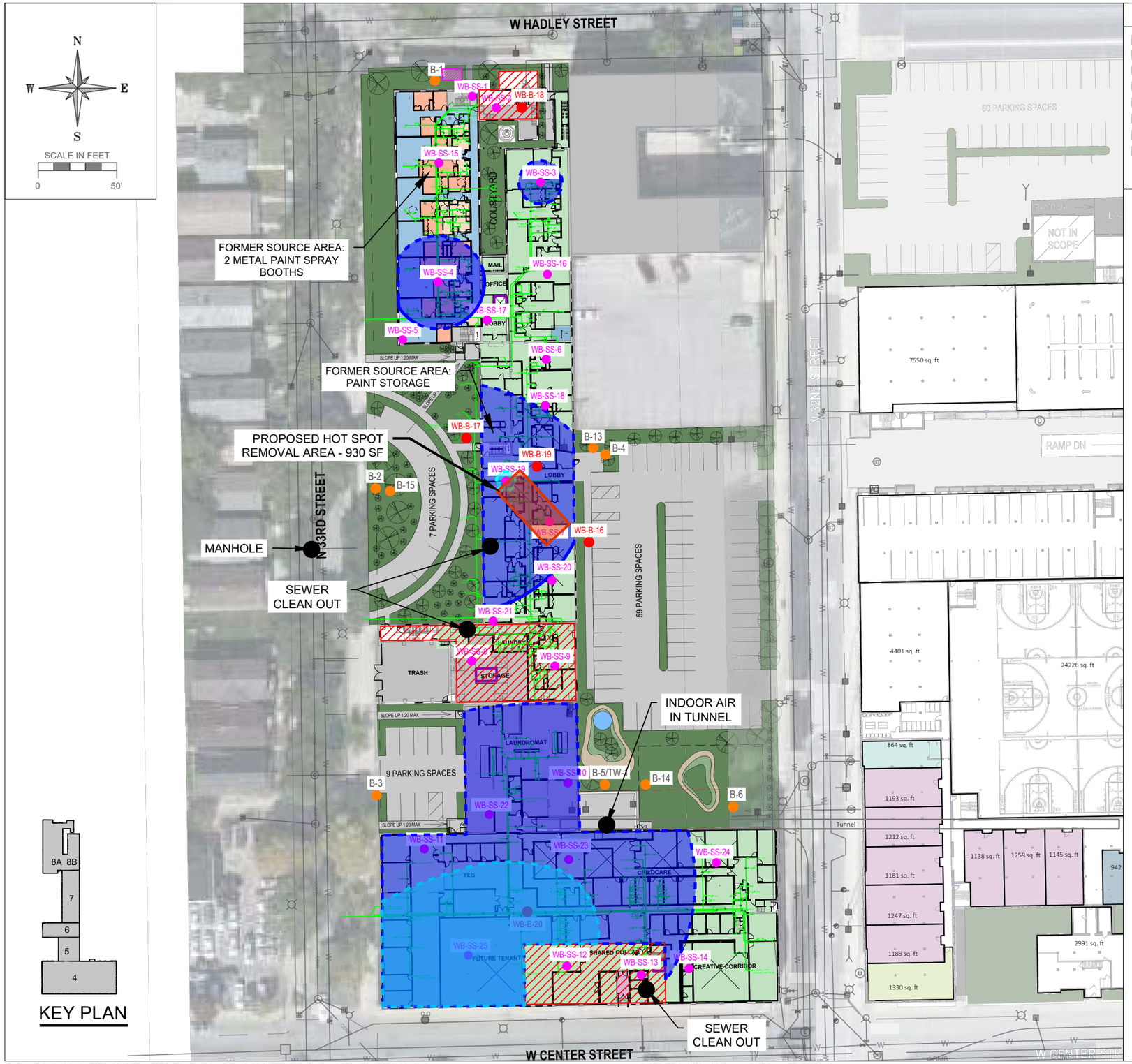
REVISIONS	DATE	DESCRIPTION

DRAWN BY	DATE
AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

SHEET TITLE
SUB-SLAB VAPOR SAMPLING RESULTS

FIGURE 11

SHEET 15 of SHEET 15



KEY PLAN

FLOOR FINISH LEGEND

	CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
	CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
	EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
	LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
	MZ-1	EXISTING HISTORIC MOSAIC TILE - TO REMAIN IN PLACE & CLEAN
	PC-1	POLISHED CONCRETE
	SC-1	SEALED CONCRETE
	WD-SV	SALVAGED WOOD - REMOVED, REINSTALLED AND REFINISHED (SALVAGED WOOD WILL BE REINSTALLED IN CORRIDORS FIRST THEN CONTINUE INTO UNITS - IF THERE IS NOT ENOUGH QUANTITY - INSTALL NEW WOOD FLOORING TO MATCH HISTORIC SIZE)

LEGEND

- Known Elevator Shaft
- Planned Underground Plumbing
- Underground Tunnel
- Basement Area(s)
- Sub-Slab Vapor Sampling Locations (25)
- Approximate WI Residential VRSL Exceedance Extents
- Approximate WI Small Commercial / Industrial VRSL Exceedance Extents
- Hot Spot Removal Area
- Planned Indoor Air and Conduit Vapor Sampling Locations

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AMZ	09/09/2021
CHECKED BY	DATE
DKP	09/09/2021

SHEET TITLE

PLANNED INDOOR AIR AND CONDUIT VAPOR SAMPLING LOCATIONS

FIGURE 12

SHEET 16 of SHEET 16

FILE NAME :P:\40443 CWC WEST BLOCK SITE INVESTIGATION\ENVIRONMENTAL\CADD\SHEETS\CWC - SAMPLING RESULTS_WEST BLOCK.DWG PLOT DATE :9/13/2021 12:34 PM PLOT BY :AILEEN ZEBROWSKI

TABLES

TABLE 1
NOMENCLATURE OF SOIL PROBES AND MONITORING WELLS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

	State Plane Coordinates					
Description	Northing	Easting	Elevation (feet, MSL)	Drilling Methods	Total Depth (ft.)	Comments
B-1	396561.88	2514941.49		2" Geoprobe	10	
B-2	396297.10	2514881.16		2" Geoprobe	10	
B-3	396104.80	2514885.88		2" Geoprobe	10	
B-4	396317.34	2514880.67		2" Geoprobe	10	
B-5	396118.38	2515026.62		2" Geoprobe	20	
B-6	396089.84	2515101.57		2" Geoprobe	10	
WB-B-16	396242.84	2546549.71	686.2	2" Geoprobe	10	
WB-B-17	396313.65	2546477.49	683.9	2" Geoprobe	10	
WB-B-18	396526.95	2546506.12	681.8	1" Geoprobe	8	
WB-B-19	396287.52	2546519.35	687.1	2" Geoprobe	10	
WB-B-20	396016.41	2546506.25	684.3	2" Geoprobe	10	
WB-MW-1	396542.814	2546411.793	682.571	2" Geoprobe & 4-1/4" HSA	24.5	GP to 24 ft
WB-MW-2	396231.772	2546419.031	686.174	2" Geoprobe & 4-1/4" HSA	25.5	GP to 24 ft
WB-MW-3	396310.761	2546661.125	685.825	2" Geoprobe & 4-1/4" HSA	24	
WB-MW-4	396090.765	2546666.802	684.891	2" Geoprobe & 4-1/4" HSA	27	
WB-MW-5	395943.795	2546610.53	679.673	2" Geoprobe & 4-1/4" HSA	25	GP to 22 ft

TABLE 2
GROUNDWATER ELEVATION DATA
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Well ID	Units	WB-MW-1		WB-MW-2		WB-MW-3		WB-MW-4		WB-MW-5	
Ground Elevation	Feet	682.57		686.17		685.83		684.89		680.03	
TOC Elevation	Feet	685.36		689.16		688.97		687.94		679.21	
TOS Elevation	Feet	673.32		675.64		677.23		674.08		664.38	
BOS Elevation	Feet	658.32		660.64		662.23		659.08		654.38	
Screen Height	Feet	15		15		15		15		10	
DATE		**DTW (TOC)**	**GROUNDWATER ELEVATION**	**DTW (TOC)**	**GROUNDWATER ELEVATION**	**DTW (TOC)**	**GROUNDWATER ELEVATION**	**DTW (TOC)**	**GROUNDWATER ELEVATION**	**DTW**	**GROUNDWATER ELEVATION**
5/18/2021		17.58	667.78	23.42	665.74	DRY	---	27.51	660.43	---	---
6/10/2021		17.28	668.08	23.25	665.91	DRY	---	27.15	660.79	---	---
6/22/2021		17.22	668.14	23.53	665.63	DRY	---	27.14	660.80	---	---
6/30/2021		15.44	669.92	23.59	665.57	DRY	---	27.13	660.81	---	---
7/20/2021		17.33	668.03	22.95	666.21	DRY	---	27.00	660.94	18.55	660.66
7/29/2021		17.41	667.95	23.76	665.40	DRY	---	27.00	660.94	18.67	660.54

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-1	B-2	B-3	B-4	B-5	B-6	WB-SS-2	WB-SS-6	WB-SS-8	WB-SS-12
Depth (feet)							5.5-7.5	4-6	4-6	4-6	3-5	3-5	0-1	0-1	0-1	0-1
Soil Type							ML-CL	ML-CL	ML-CL	ML-CL	CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL
Soil Conditions							Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated
Sampling Location							Exterior	Exterior	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	Interior
Sampling Date							4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	3/1/2021	3/1/2021	3/1/2021	3/1/2021
Physical Characteristics																
Percent Moisture							11.9	12.4	11.7	12.1	13.1	11.4	13.8	5.2	10.8	12.5
Percent Solids							88.1	87.6	88.3	87.9	86.9	88.6	86.2	94.8	89.2	87.5
Volatile Organic Compounds (VOCs)																
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.040	<0.036	<0.039	<0.043	<0.046	<0.059	<0.030	<0.030	<0.028	<0.029
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.048	<0.025	<0.025	<0.023	<0.024
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	<0.026	<0.026	<0.024	<0.025
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.031	<0.028	<0.029	<0.032	<0.035	<0.045	<0.023	<0.023	<0.022	<0.022
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.036	<0.032	<0.034	<0.038	<0.041	<0.052	<0.027	<0.027	<0.025	<0.026
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.025	<0.025	<0.024	<0.025
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.026	<0.024	<0.025	<0.027	<0.030	<0.038	<0.019	<0.019	<0.018	<0.019
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.040	<0.036	<0.038	<0.042	<0.046	<0.058	<0.030	<0.030	<0.028	<0.029
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.036	<0.033	<0.035	<0.038	<0.041	<0.053	<0.027	<0.027	<0.025	<0.026
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.030	<0.027	<0.029	<0.032	<0.034	<0.044	<0.022	<0.022	<0.021	<0.022
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.031	<0.028	<0.030	<0.033	<0.036	<0.046	<0.023	<0.023	<0.022	<0.023
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.17	<0.16	<0.17	<0.18 *	<0.20 *	<0.25 *	<0.13	<0.13	<0.12	<0.13
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	<0.025	<0.025	<0.024	<0.025
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.029	<0.026	<0.028	<0.031	<0.033	<0.043	***38***	0.064 J	<0.021	<0.021
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.026	<0.025	<0.024	<0.025
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.028	<0.028	<0.026	<0.027
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.048	<0.025	<0.025	<0.023	<0.024
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.035	<0.032	<0.033	<0.037	<0.040	<0.051	0.58	<0.026	<0.025	<0.025
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.024	<0.023	<0.022	<0.023
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.032	<0.029	<0.030	<0.034	<0.036	<0.046	**5.3**	<0.024	<0.022	<0.023
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.039	<0.035	<0.037	<0.041	<0.044	<0.057	<0.029	<0.029	<0.027	<0.028
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.027	<0.025	<0.026	<0.029	<0.031	<0.040	<0.020	<0.020	<0.019	<0.020
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.030	<0.028	<0.029	<0.032	<0.035	<0.045	<0.023	<0.023	<0.022	<0.022
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.013	<0.012	<0.012	<0.013	<0.015	<0.019	<0.0095	<0.0095	<0.0090	<0.0093
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.031	<0.028	<0.030	<0.033	<0.036	<0.045	<0.023	<0.023	<0.022	<0.023
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.028	<0.028	<0.026	<0.027
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	<0.024	<0.024	<0.023	<0.024
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.042	<0.038	<0.040	<0.045	<0.048	<0.062	<0.032	<0.031	<0.030	<0.031
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.069 *	<0.063 *	<0.067 *	<0.073 *	<0.080 *	<0.10 *	<0.052	<0.052	<0.049	<0.051
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.049	<0.025	<0.025	<0.024	<0.024
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	2.1	<0.025	<0.024	<0.025
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.044	<0.040	<0.042	<0.046	<0.050	<0.064	<0.033	<0.033	<0.031	<0.032
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	<0.024	<0.024	<0.023	<0.024
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.028	<0.025	<0.027	<0.029	<0.032	<0.041	<0.021	<0.021	<0.020	<0.020
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.036	<0.032	<0.034	<0.038	<0.041	<0.052	<0.027	<0.026	<0.025	<0.026
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.036	<0.033	<0.035	<0.038	<0.042	<0.053	<0.027	<0.027	<0.026	<0.027
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.042	<0.039	<0.041	<0.045	<0.049	<0.062	<0.032	<0.032	<0.030	<0.031
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.023	<0.021	<0.023	<0.025	<0.027	<0.034	<0.018	<0.018	<0.017	<0.017
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.059	<0.053	<0.056	<0.062	<0.067	<0.086	<0.044	<0.044	<0.041	<0.043
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.016	<0.014	<0.015	<0.017	<0.018	<0.023	<0.012	<0.012	<0.011	<0.012
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.039	<0.035	<0.037	<0.041	<0.045	<0.057	<0.029	<0.029	<0.027	<0.028
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.024	<0.022	<0.023	<0.025	<0.028	<0.035	<0.018	<0.018	<0.017	<0.018
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.033	<0.030	<0.032	<0.035	<0.038	<0.049	<0.025	<0.025	<0.024	<0.024
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.034	<0.031	<0.033	<0.036	<0.039	<0.050	<0.026	<0.026	<0.024	<0.025
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.14	<0.13	<0.14	<0.15	<0.16	<0.21	<0.11	<0.11	<0.10	<0.10
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<0.029	<0.026	<0.028	<0.031	<0.033	<0.043	<0.022	<0.022	<0.021	<0.021
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	<0.034	<0.031	<0.032	<0.036	<0.039	<0.049	0.050 J	<0.025	<0.024	<0.025
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	<0.036	<0.033	<0.035	<0.038	<0.041	<0.053	<0.027	<0.027	<0.025	<0.026
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.024	<0.023	<0.022	<0.023
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	0.063 J	<0.026	<0.024	<0.025
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.034	<0.030	<0.032	<0.036	<0.039	<0.049	<0.025	<0.025	<0.024	<0.025
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.035	<0.031	<0.033	<0.037	<0.040	<0.051	<0.026	<0.026	<0.024	<0.025
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.032	<0.029	<0.031	<0.034	<0.037	<0.047	***0.12***	<0.024	<0.023	<0.024
Toluene	mg/Kg	8260B	1.1072	818	818	---	<0.013	<0.012	<0.012	<0.014	<0.015	<0.019	<0.0096	<0.0095	<0.0090	<0.0094

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	B-1	B-2	B-3	B-4	B-5	B-6	WB-SS-2	WB-SS-6	WB-SS-8	WB-SS-12
Depth (feet)							5.5-7.5	4-6	4-6	4-6	3-5	3-5	0-1	0-1	0-1	0-1
Soil Type							ML-CL	ML-CL	ML-CL	ML-CL	CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL
Soil Conditions							Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated
Sampling Location							Exterior	Exterior	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	Interior
Sampling Date							4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	4/10/2020	3/1/2021	3/1/2021	3/1/2021	3/1/2021
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.030	<0.028	<0.029	<0.032	<0.035	<0.045	<0.023	<0.023	<0.022	<0.022
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.032	<0.029	<0.030	<0.033	<0.036	<0.046	<0.024	<0.023	<0.022	<0.023
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.014	<0.013	<0.014	<0.015	<0.016	<0.021	***0.013 J***	<0.011	<0.010	<0.010
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.037	<0.034	<0.036	<0.039	<0.043	<0.055	<0.028	<0.028	<0.026	<0.027
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.023	<0.021	<0.022	<0.024	<0.026	<0.033	<0.017	<0.017	<0.016	<0.017
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.019	<0.017	<0.018	<0.020	<0.022	<0.028	<0.014	<0.014	<0.014	<0.014
Polycyclic Aromatic Hydrocarbons (PAHs)																
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	<0.0091	<0.0092	<0.0092	<0.0091	<0.0093	<0.0090	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	<0.0069	<0.0069	<0.0069	<0.0069	<0.0070	<0.0068	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	<0.0067	<0.0068	<0.0068	<0.0067	<0.0068	<0.0066	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	<0.0049	<0.0050	<0.0050	<0.0049	<0.0050	<0.0048	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	<0.0063	<0.0063	<0.0063	<0.0063	<0.0064	<0.0061	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	<0.0050	<0.0051	<0.0051	<0.0050	<0.0051	<0.0049	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	<0.0072	<0.0073	<0.0073	<0.0072	<0.0074	<0.0071	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	<0.0081	<0.0081	<0.0081	0.0090 J	<0.0082	<0.0079	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	<0.0072	<0.0073	<0.0073	<0.0072	<0.0074	<0.0071	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	<0.0069	<0.0070	<0.0070	<0.0069	<0.0071	<0.0068	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0052	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	<0.0097	<0.0097	<0.0097	<0.0097	<0.0099	<0.0095	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	<0.0058	<0.0058	<0.0058	0.0061 J	<0.0059	<0.0057	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	<0.0052	<0.0052	<0.0052	0.0089 J	<0.0053	<0.0051	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	<0.0074	<0.0075	<0.0075	0.0092 J	<0.0076	<0.0073	---	---	---	---
Polychlorinated Biphenyls (PCBs)																
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	---	---	---	---	<0.0067	---	---	<0.019	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0.213	0.883	---	---	---	---	---	<0.0084	---	---	<0.023	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.190	0.792	---	---	---	---	---	<0.0083	---	---	<0.023	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	---	<0.0062	---	---	<0.017	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	---	<0.0075	---	---	<0.021	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	---	---	---	---	<0.0041	---	---	***0.014 J***	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1.000	---	---	---	---	---	<0.0093	---	---	<0.026	---	---
RCRA Metals																
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	5	7.7	4.6	3.5	5.2	4.4	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	42 V	50	29	32	39	36	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	0.19 B	0.40 B	0.28 B	0.23 B	0.25 B	0.26 B	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	15	18	13	12	15	15	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	9.3	22	12	8.2	9.7	9	---	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	0.019	0.018	0.015 J	0.012 J	0.013 J	0.011 J	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	<0.57	<0.64	<0.60	<0.60	<0.59	<0.58	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	0.27 J	0.24 J	0.23 J	0.19 J	0.24 J	0.23 J	---	---	---	---

Notes:

(1) From WDNR RCLs Worksheet dated December 2018

BOLD Italicized *v* alues exceed Groundwater Protection

BOLD values exceed Non-Industrial Direct Contact

BOLD Underlined values exceed Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

*** = Combined established standard of PCBs

*+ = Laboratory Control Sample or Laboratory Control Sample Duplicate is outside acceptance limits, high biased

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-SS-14	WB-Int-1	WB-Int-2	WB-Int-3	WB-Int-4	WB-Int-5	WB-Int-6	WB-Int-7	WB-Int-8	WB-Int-9
Depth (feet)							0-1	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5
Soil Type							ML-CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	GW-SW	SP-CL	ML-CL
Soil Conditions							Unsaturated	Moist	Moist	Moist	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Moist
Sampling Location							Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior
Sampling Date							3/1/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/2/2021
Physical Characteristics																
Percent Moisture							8.6	12.3	13.0	13.1	10.4	13.4	10.7	10.1	8.9	12.1
Percent Solids							91.4	87.7	87.0	86.9	89.6	86.6	89.3	89.9	91.1	87.9
Volatile Organic Compounds (VOCs)																
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.027	<0.029	<0.029	<0.030	<0.029	<0.030	<0.029	<0.028	<0.028	<0.029
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.023	<0.024	<0.024	<0.025	<0.024	<0.025	<0.023	<0.023	<0.023	<0.024
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.021	<0.022	<0.022	<0.023	<0.022	<0.023	<0.022	<0.021	<0.021	<0.022
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.024	<0.026	<0.026	<0.027	<0.026	<0.027	<0.025	<0.025	<0.024	<0.026
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.023	<0.025	<0.024	<0.026	<0.024	<0.026	<0.024	<0.024	<0.023	<0.025
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.018	<0.019	<0.019	<0.020	<0.019	<0.020	<0.018	<0.018	<0.018	<0.019
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.027	<0.029	<0.029	<0.030	<0.029	<0.030	<0.028	<0.028	<0.027	<0.029
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.025	<0.026	<0.026	<0.027	<0.026	<0.027	<0.026	<0.025	<0.025	<0.026
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.020	<0.022	<0.021	<0.023	<0.021	<0.022	<0.021	<0.021	<0.020	<0.022
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	0.34	<0.023	<0.022	<0.024	<0.022	<0.023	<0.022	<0.022	<0.021	<0.023
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.12	<0.13	<0.12	<0.13	<0.12	<0.13	<0.12	<0.12	<0.12	<0.13
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.023	<0.025	<0.024	<0.025	<0.024	<0.025	<0.024	<0.024	<0.023	<0.024
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.020	<0.021	<0.021	<0.022	<0.021	<0.022	<0.021	<0.020	<0.020	<0.021
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.023	<0.025	<0.024	<0.026	<0.024	<0.026	<0.024	<0.024	<0.023	<0.025
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.025	<0.027	<0.027	<0.028	<0.027	<0.028	<0.026	<0.026	<0.026	<0.027
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	0.13	<0.024	<0.024	<0.025	<0.024	<0.025	<0.023	<0.023	<0.023	<0.024
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.026	<0.028	<0.028	<0.029	<0.028	<0.029	<0.027	<0.027	<0.026	<0.028
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.019	<0.020	<0.020	<0.021	<0.020	<0.021	<0.019	<0.019	<0.019	<0.020
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.021	<0.022	<0.022	<0.023	<0.022	<0.023	<0.022	<0.021	<0.021	<0.022
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	***0.47 F1***	<0.0093	<0.0091	<0.0096	<0.0091	<0.0096	<0.0090	<0.0089	<0.0087	<0.0092
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.021	<0.023	<0.022	<0.023	<0.022	<0.023	<0.022	<0.022	<0.021	<0.022
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.025	<0.027	<0.027	<0.028	<0.027	<0.028	<0.026	<0.026	<0.026	<0.027
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.022	<0.024	<0.023	<0.025	<0.023	<0.024	<0.023	<0.023	<0.022	<0.024
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.029	<0.031	<0.030	<0.032	<0.030	<0.032	<0.030	<0.029	<0.029	<0.031
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.047	<0.051	<0.050	<0.053	<0.050	<0.052	<0.049	<0.048	<0.047	<0.050
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.023	<0.024	<0.024	<0.025	<0.024	<0.025	<0.024	<0.023	<0.023	<0.024
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.023	<0.025	<0.024	<0.025	<0.024	<0.025	<0.024	<0.024	<0.023	<0.024
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.030	<0.032	<0.031	<0.033	<0.031	<0.033	<0.031	<0.031	<0.030	<0.032
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.022	<0.024	<0.023	<0.024	<0.023	<0.024	<0.023	<0.023	<0.022	<0.023
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.019	<0.020	<0.020	<0.021	<0.020	<0.021	<0.020	<0.019	<0.019	<0.020
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.024	<0.026	<0.025	<0.027	<0.025	<0.027	<0.025	<0.025	<0.024	<0.026
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.025	<0.026	<0.026	<0.027	<0.026	<0.027	<0.026	<0.025	<0.025	<0.026
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.029	<0.031	<0.030	<0.032	<0.030	<0.032	<0.030	<0.030	<0.029	<0.031
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.016	<0.017	<0.017	<0.018	<0.017	<0.018	<0.017	<0.016	<0.016	<0.017
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.040	<0.043	<0.042	<0.044	<0.042	<0.044	<0.042	<0.041	<0.040	<0.043
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	0.18	<0.012	<0.011	<0.012	<0.011	<0.012	<0.011	<0.011	<0.011	<0.012
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.027	<0.028	<0.028	<0.029	<0.028	<0.029	<0.028	<0.027	<0.027	<0.028
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.016	<0.018	<0.017	<0.018	<0.017	<0.018	<0.017	<0.017	<0.016	<0.017
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.023	<0.024	<0.024	<0.025	<0.024	<0.025	<0.024	<0.023	<0.023	<0.024
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.023	<0.025	<0.025	<0.026	<0.025	<0.026	<0.024	<0.024	<0.024	<0.025
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.097	***0.20 J B***	***0.62 B***	***0.65 B***	***0.60 B***	***0.61 B***	***0.58 B***	***0.57 B***	***0.57 B***	<0.10
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	0.25	<0.021	<0.021	<0.022	<0.021	<0.022	<0.021	<0.020	<0.020	<0.021
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	0.10	<0.025	<0.024	<0.026	<0.024	<0.025	<0.024	<0.024	<0.023	<0.025
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	0.050 J	<0.026	<0.026	<0.027	<0.026	<0.027	<0.026	<0.025	<0.025	<0.026
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025
Styrene	mg/Kg	8260B	0.22	867	867	---	0.078	<0.025	<0.024	<0.025	<0.024	<0.025	<0.024	<0.024	<0.023	<0.024
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.024	<0.025	<0.025	<0.026	<0.025	<0.026	<0.025	<0.024	<0.024	<0.025
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.022	<0.024	<0.023	<0.024	<0.023	<0.024	***0.31***	***3.0***	<0.022	<0.023
Toluene	mg/Kg	8260B	1.1072	818	818	---	0.32	0.028	<0.0092	<0.0097	<0.0092	<0.0096	<0.0091	<0.0090	<0.0088	<0.0093

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-SS-14	WB-Int-1	WB-Int-2	WB-Int-3	WB-Int-4	WB-Int-5	WB-Int-6	WB-Int-7	WB-Int-8	WB-Int-9
Depth (feet)							0-1	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5
Soil Type							ML-CL	SP-CL	ML-CL	ML-CL	ML-CL	ML-CL	ML-CL	GW-SW	SP-CL	ML-CL
Soil Conditions							Unsaturated	Moist	Moist	Moist	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Moist
Sampling Location							Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior
Sampling Date							3/1/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/5/2021	4/2/2021
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.021	<0.022	<0.022	<0.023	<0.022	<0.023	<0.022	<0.021	<0.021	<0.022
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.022	<0.023	<0.023	<0.024	<0.023	<0.024	<0.022	<0.022	<0.022	<0.023
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.0098	<0.010	<0.010	<0.011	<0.010	<0.011	<0.010	***0.021 J***	<0.0098	<0.010
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.025	<0.027	<0.027	<0.028	<0.027	<0.028	<0.026	<0.026	<0.026	<0.027
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.016	<0.017	<0.016	<0.017	<0.016	<0.017	<0.016	<0.016	<0.016	<0.017
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	0.73	<0.014	<0.014	<0.015	<0.014	<0.014	<0.014	<0.013	<0.013	<0.014
Polycyclic Aromatic Hydrocarbons (PAHs)																
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---	---	---
Polychlorinated Biphenyls (PCBs)																
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	<0.12	<0.0067	<0.0065	<0.0068	<0.0066	<0.0067	<0.0064	<0.0065	<0.0064	<0.0066
PCB-1221	mg/Kg	8082A	0.0094***	0.213	0.883	---	<0.16	<0.0084	<0.0081	<0.0084	<0.0082	<0.0083	<0.0080	<0.0081	<0.0079	<0.0083
PCB-1232	mg/Kg	8082A	0.0094***	0.190	0.792	---	<0.15	<0.0083	<0.0080	<0.0083	<0.0081	<0.0082	<0.0079	<0.0080	<0.0079	<0.0082
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	<0.12	<0.0062	<0.0061	<0.0063	<0.0061	<0.0062	<0.0060	<0.0061	<0.0059	<0.0062
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	<0.14	<0.0075	<0.0073	<0.0075	<0.0073	<0.0074	<0.0072	<0.0073	<0.0071	***0.025***
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	**2.7**	***0.17***	***0.083***	***0.023***	***0.051***	0.0084 J	<0.0039	<0.0040	<0.0039	<0.0040
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1.000	---	<0.17	<0.0093	<0.0091	<0.0094	<0.0091	<0.0093	<0.0089	<0.0091	<0.0089	<0.0092
RCRA Metals																
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---	---	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	---	---	---	---	---	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	---	---	---	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---	---	---	---	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---	---	---

Notes:

(1) From WDNR RCLs Worksheet dated December 2018

BOLD Italicized *v* alues exceed Groundwater Protection

BOLD values exceed Non-Industrial Direct Contact

BOLD Underlined values exceed Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

*** = Combined established standard of PCBs

*+ = Laboratory Control Sample or Laboratory Control Sample Duplicate is outside acceptance limits, high biased

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-Int-10	WB-Int-11	WB-Int-12	WB-Int-13	WB-Int-14	WB-Int-15	WB-Int-16	WB-Int-17	WB-MW-1		WB-MW-2	
Depth (feet)							0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	4-6	10-12	3-5	8.5-10.5
Soil Type							ML-CL	ML-CL	ML-CL	SP-CL	SW	ML-CL	ML-CL	CL-SP	CL	CL	CL	CL
Soil Conditions							Moist	Moist	Moist	Moist	Unsaturated	Moist	Moist	Moist	Moist	Moist	Moist	Moist
Sampling Location							Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Exterior	Exterior	Exterior	Exterior
Sampling Date							4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	5/3/2021	5/3/2021	5/3/2021	5/3/2021
Physical Characteristics																		
Percent Moisture							12.8	12.9	12.4	13.4	5.2	11.5	14.7	14.1	11.8	16.5	12.1	9.5
Percent Solids							87.2	87.1	87.6	86.6	94.8	88.5	85.3	85.9	88.2	83.5	87.9	90.5
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.028	<0.030	<0.030	<0.030	<0.025	<0.029	<0.029	<0.030	<0.030 *+	<0.032 *+	<0.029 *+	<0.028 *+
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.023	<0.024	<0.024	<0.025	<0.021	<0.024	<0.024	<0.025	<0.024	<0.026	<0.024	<0.023
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.024	<0.025	<0.025	<0.026	<0.022	<0.025	<0.025	<0.026	<0.026	<0.028	<0.025	<0.024
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.021	<0.023	<0.023	<0.023	<0.019	<0.022	<0.022	<0.023	<0.023 *+	<0.025 *+	<0.022 *+	<0.021 *+
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.025	<0.026	<0.026	<0.026	<0.022	<0.025	<0.026	<0.027	<0.026 *+	<0.029 *+	<0.026 *+	<0.025 *+
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.025	<0.026	<0.025	<0.027	<0.024	<0.023
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.018	<0.019	<0.019	<0.019	<0.016	<0.019	<0.019	<0.020	<0.019	<0.021	<0.019	<0.018
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.028	<0.029	<0.029	<0.030	<0.025	<0.028	<0.029	<0.030	<0.029	<0.032	<0.029	<0.027
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.025	<0.026	<0.026	<0.027	<0.023	<0.026	<0.026	<0.027	<0.027 *+	<0.029 *+	<0.026 *+	<0.025 *+
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.021	<0.022	<0.022	<0.022	<0.019	<0.021	<0.022	<0.023	<0.022	<0.024	<0.021	<0.020
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.023	<0.025	<0.022	<0.021
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.12	<0.13	<0.13	<0.13	<0.11	<0.12	<0.13	<0.13	<0.13 *+	<0.14 *+*-	<0.12 *+	<0.12 *+
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025 *+	<0.027 *+	<0.024 *+	<0.023 *+
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.020	<0.021	<0.021	<0.022	<0.018	<0.021	<0.021	<0.022	<0.021 *+	<0.023 *+	<0.021 *+	<0.020 *+
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.025	<0.026	<0.025 *+	<0.027 *+	<0.025 *+	<0.023 *+
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.026	<0.027	<0.027	<0.028	<0.023	<0.027	<0.027	<0.028	<0.027 *+	<0.030 *+	<0.027 *+	<0.026 *+
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.023	<0.024	<0.024	<0.025	<0.021	<0.024	<0.024	<0.025	<0.024	<0.026	<0.024	<0.023
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.024	<0.026	<0.026	<0.026	<0.022	<0.025	<0.025	<0.026	<0.026	<0.028	<0.025	<0.024
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.023 *+	<0.025	<0.023	<0.022 *+
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.023	<0.023	<0.024	<0.023	<0.025 *+	<0.023 *+	<0.022
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.027	<0.028	<0.028	<0.029	<0.024	<0.028	<0.028	<0.029	<0.028	<0.031	<0.028	<0.027
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.019	<0.020	<0.020	<0.020	<0.017	<0.020	<0.020	<0.021	<0.020	<0.022	<0.020	<0.019
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.021	<0.022	<0.022	<0.023	<0.019	<0.022	<0.022	<0.023	<0.022	<0.024	<0.022	<0.021
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.0089	<0.0093	<0.0093	<0.0094	<0.0080	<0.0091	<0.0092	<0.0096	<0.0094 *+	<0.010 *+	<0.0092 *+	<0.0087 *+
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.022	<0.023	<0.023	<0.023	<0.019	<0.022	<0.022	<0.023	<0.023 *+	<0.025 *+	<0.022 *+	<0.021 *+
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.026	<0.027	<0.027	<0.028	<0.023	<0.027	<0.027	<0.028	<0.027 *+	<0.030 *+	<0.027 *+	<0.026 *+
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.023	<0.024	<0.024	<0.024	<0.020	<0.023	<0.023	<0.025	<0.024 *+	<0.026 *+	<0.023 *+	<0.022 *+
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.029	<0.031	<0.031	<0.031	<0.026	<0.030	<0.030	<0.032	<0.031 *+	<0.034 *+	<0.030 *+	<0.029 *+
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.048	<0.051	<0.051	<0.051	<0.043	<0.049	<0.050	<0.053	<0.051 *+	<0.055 *+	<0.050 *+	<0.048 *+
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025	<0.027	<0.024	<0.023
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025 *+	<0.027 *+	<0.024 *+	<0.023 *+
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.031	<0.032	<0.032	<0.033	<0.027	<0.031	<0.032	<0.033	<0.032 *+	<0.035 *+	<0.032 *+	<0.030 *+
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.023	<0.024	<0.024	<0.024	<0.020	<0.023	<0.023	<0.024	<0.024 *+	<0.026 *+	<0.023 *+	<0.022 *+
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.019	<0.020	<0.020	<0.021	<0.017	<0.020	<0.020	<0.021	<0.021	<0.022	<0.020	<0.019
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.025	<0.026	<0.026	<0.026	<0.022	<0.025	<0.026	<0.027	<0.026 *+	<0.028 *+	<0.026 *+	<0.024
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.025	<0.027	<0.027	<0.027	<0.023	<0.026	<0.026	<0.027	<0.027	<0.029	<0.026	<0.025
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.030	<0.031	<0.031	<0.032	<0.027	<0.030	<0.031	<0.032	<0.031 *+	<0.034 *+*-	<0.031 *+	<0.029 *+
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.016	<0.017	<0.017	<0.017	<0.015	<0.017	<0.017	<0.018	<0.017 *+	<0.019 *+	<0.017 *+	<0.016 *+
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.041	<0.043	<0.043	<0.044	<0.037	<0.042	<0.042	<0.044	<0.043	<0.047	<0.042	<0.040
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.011	<0.012	<0.012	<0.012	<0.010	<0.011	<0.012	<0.012	<0.012	<0.013	<0.011	<0.011
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.027	<0.029	<0.029	<0.029	<0.024	<0.028	<0.028	<0.029	<0.029	<0.031	<0.028	<0.027
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.017	<0.018	<0.018	<0.018	<0.015	<0.017	<0.017	<0.018	<0.018	<0.019	<0.017	<0.017
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025	<0.027	<0.024	<0.023
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.025	<0.026	<0.025 *+	<0.027 *+	<0.025 *+	<0.024 *+
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.099	<0.10	<0.10	<0.11	<0.089	***0.20 J B***	***0.20 J B***	***0.20 J B***	<0.10 *+	<0.11 *+	<0.10 *+	<0.097 *+
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<0.020	<0.021	<0.021	<0.022	<0.018	<0.021	0.024 J	<0.022	0.03 J	<0.023	<0.021	<0.020
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	<0.024	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.026	<0.025	<0.027	<0.024	<0.023
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	<0.025	<0.026	<0.026	<0.027	<0.023	<0.026	<0.026	<0.027	<0.027	<0.029	<0.026	<0.025
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.023	<0.025	<0.023	<0.022
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.024	<0.025	<0.025	<0.026	<0.022	<0.025	<0.025	<0.026	<0.026	<0.028	<0.025	<0.024
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.023	<0.025	<0.025	<0.025	<0.021	<0.024	<0.024	<0.025	<0.025 *+	<0.027 *+	<0.024 *+	<0.023 *+
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.024	<0.025	<0.025	<0.026	<0.022	<0.025	<0.025	<0.026	<0.026	<0.028	<0.025	<0.024
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.023	<0.024	<0.024	<0.024	<0.020	<0.023	<0.023	<0.024	<0.024	<0.026	<0.023	<0.022
Toluene	mg/Kg	8260B	1.1072	818	818	---	<0.0089	<0.0094	<0.0094	<0.0095	<0.0080	<0.0091	<0.0092	<0.0097	0.010 J	<0.010 *+	<0.0092 *+	<0.0088

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-Int-10	WB-Int-11	WB-Int-12	WB-Int-13	WB-Int-14	WB-Int-15	WB-Int-16	WB-Int-17	WB-MW-1		WB-MW-2	
Depth (feet)							0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	0.5-1.5	4-6	10-12	3-5	8.5-10.5
Soil Type							ML-CL	ML-CL	ML-CL	SP-CL	SW	ML-CL	ML-CL	CL-SP	CL	CL	CL	CL
Soil Conditions							Moist	Moist	Moist	Moist	Unsaturated	Moist	Moist	Moist	Moist	Moist	Moist	Moist
Sampling Location							Interior	Interior	Interior	Interior	Interior	Interior	Interior	Interior	Exterior	Exterior	Exterior	Exterior
Sampling Date							4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	4/2/2021	5/3/2021	5/3/2021	5/3/2021	5/3/2021
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.021	<0.022	<0.022	<0.023	<0.019	<0.022	<0.022	<0.023	<0.022 *+	<0.024 *+	<0.022 *+	<0.021
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.022	<0.023	<0.023	<0.023	<0.020	<0.022	<0.023	<0.024	<0.023	<0.025	<0.023	<0.022
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.010	***0.031 J***	<0.010	<0.011	<0.0089	<0.010	<0.010	<0.011	<0.011 *+	<0.011 *+	<0.010 *+	<0.0098 *+
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.026	<0.027	<0.027	<0.028	<0.023	<0.027	<0.027	<0.028	<0.027	<0.030	<0.027	<0.026
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.016	<0.017	<0.017	<0.017	<0.014	<0.016	<0.016	<0.017	<0.017	<0.018	<0.016	<0.016
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.013	<0.014	<0.014	<0.014	<0.012	<0.014	0.028 J	<0.015	<0.014	<0.015	<0.014	<0.013
Polycyclic Aromatic Hydrocarbons (PAHs)																		
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---	<0.0091	---	<0.0090	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---	<0.0069	---	<0.0068	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---	<0.0067	---	<0.0066	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	<0.0049	---	<0.0049	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---	<0.0062	---	<0.0062	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---	<0.0050	---	0.0053 J	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---	<0.0072	---	<0.0071	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---	<0.0080	---	0.0093 J	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	<0.012	---	<0.012	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---	<0.011	---	<0.011	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---	<0.010	---	<0.010	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---	<0.0072	---	<0.0071	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---	<0.0069	---	0.0093 J	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---	<0.0052	---	<0.0052	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---	<0.0097	---	<0.0096	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---	<0.0057	---	<0.0057	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	<0.0052	---	<0.0051	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---	<0.0074	---	0.0077 J	---
Polychlorinated Biphenyls (PCBs)																		
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	<0.0067	<0.0068	<0.0067	<0.0068	<0.0062	<0.0066	<0.069	<0.034	<0.0066	---	<0.0066	---
PCB-1221	mg/Kg	8082A	0.0094***	0.213	0.883	---	<0.0083	<0.0084	<0.0084	<0.0084	<0.0077	<0.0083	<0.085	<0.042	<0.0081	---	<0.0082	---
PCB-1232	mg/Kg	8082A	0.0094***	0.190	0.792	---	<0.0082	<0.0083	<0.0083	<0.0084	<0.0076	<0.0082	<0.085	<0.041	<0.0081	---	<0.0081	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	<0.0062	<0.0063	<0.0062	<0.0063	<0.0057	<0.0062	<0.064	<0.031	<0.0061	---	<0.0061	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	<0.0074	<0.0075	<0.0075	***0.19***	***0.20***	<0.0074	<0.076	**0.35**	<0.0073	---	<0.0073	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	<0.0041	<0.0041	0.0059 J	<0.0041	<0.0038	<0.0041	**0.49**	<0.020	<0.0040	---	<0.0040	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1.000	---	<0.0093	<0.0094	<0.0093	<0.0094	<0.0086	<0.0092	<0.095	<0.047	<0.0091	---	<0.0092	---
RCRA Metals																		
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	---	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

(1) From WDNR RCLs Worksheet dated December 2018

BOLD Italicized values exceed Groundwater Protection

BOLD values exceed Non-Industrial Direct Contact

BOLD Underlined values exceed Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

*** = Combined established standard of PCBs

*+ = Laboratory Control Sample or Laboratory Control Sample Duplicate is outside acceptance limits, high biased

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-MW-3		WB-MW-4		WB-MW-5		RTS-1	RTS-2	RTS-3		RTS-4	RTS-5
Depth (feet)							1-3	10-12	2-4	10-12	2-4	17-19	0-2	0.5-2.5	1-2	4	1-2	1-2
Soil Type							SW	CL	CL	CL	CL	CL	SP	GP	N/A	N/A	N/A	N/A
Soil Conditions							Moist	Moist	Moist	Moist	Moist	Moist	Moist	Unsaturated	Moist	Moist	Moist	Moist
Sampling Location							Exterior	Exterior	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	Interior	Interior	Interior
Sampling Date							5/3/2021	5/3/2021	5/3/2021	5/3/2021	7/20/2021	7/20/2021	3/3/2021	4/6/2021	5/18/2021	6/10/2021	5/18/2021	5/18/2021
Physical Characteristics																		
Percent Moisture							9.1	12.5	13.8	13.9	11.4	9.6	15.5	5.1	7.3	---	5.5	13.8
Percent Solids							90.9	87.5	86.2	86.1	88.6	90.4	84.5	94.9	92.7	96.4	94.5	86.2
Volatile Organic Compounds (VOCs)																		
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.028 *+	<0.029 *+	<0.030 *+	<0.030 *+	<0.029	<0.028	<0.031	<0.049	<0.027	<0.024	<0.026	<0.030
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.023	<0.024	<0.025	<0.025	<0.024	<0.023	<0.025	<0.040	<0.022	<0.020	<0.021	<0.025
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.024	<0.025	<0.026	<0.026	<0.025	<0.024	<0.026	<0.042	<0.023	<0.020	<0.022	<0.026
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.021 *+	<0.022 *+	<0.023 *+	<0.023 *+	<0.022	<0.021	<0.023	<0.037	<0.020	<0.018	<0.020	<0.023
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.025 *+	<0.026 *+	<0.027 *+	<0.027 *+	<0.025	<0.024	<0.027	<0.044 *+	<0.024	<0.021	<0.023	<0.027
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.024	<0.025	<0.025	<0.025	<0.024	<0.023	<0.026	<0.041	<0.023	<0.020	<0.022	<0.025
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.018	<0.019	<0.019	<0.019	<0.018	<0.018	<0.020	<0.032	<0.017	<0.015	<0.017	<0.019
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.028	<0.029	<0.030	<0.030	<0.028	<0.027	<0.030	<0.049	<0.027	<0.024	<0.026	<0.030
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.025 *+	<0.026 *+	<0.027 *+	<0.027 *+	<0.026	<0.025	<0.027	<0.044	<0.024	<0.021	<0.023	<0.027
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.021	<0.022	<0.022	<0.022	<0.021	<0.020	<0.023	<0.036	<0.020	<0.018	<0.019	<0.022
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.022	<0.023	<0.023	<0.023	<0.022	<0.021	<0.024	0.5	<0.021	<0.018	<0.020	<0.023
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.12 *+	<0.13 *+*-	<0.13 *+*-	<0.13 *+*-	<0.12	<0.12	<0.13	<0.21	<0.12	<0.10	<0.11	<0.13
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.024 *+	<0.025 *+	<0.025 *+	<0.025 *+	<0.024	<0.023	<0.026	<0.041	<0.022	<0.020	<0.022	<0.025
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.020 *+	<0.021 *+	<0.022 *+	<0.022 *+	<0.021	<0.020	<0.022	<0.036	<0.019	<0.017	<0.019	<0.022
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.024 *+	<0.025 *+	<0.025 *+	<0.026 *+	<0.024	<0.023	<0.026	<0.042	<0.023	<0.020	<0.022	<0.026
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.026 *+	<0.027 *+	<0.028 *+	<0.028 *+	<0.027	<0.025	<0.028	<0.046 *+	<0.025	<0.022	<0.024	<0.028
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.023	<0.024	<0.025	<0.025	<0.024	<0.023	<0.025	0.17	<0.022	<0.020	<0.021	<0.025
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.024	<0.025	<0.026	<0.026	<0.025	<0.024	<0.027	<0.043	<0.023	<0.021	<0.022	<0.026
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.022 *+	<0.023 *+	<0.024 *+	<0.024 *+	<0.022	<0.022	<0.024	<0.039	<0.021	<0.019	<0.020	<0.024
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.022	<0.023	<0.024	<0.024	<0.023	<0.022	<0.024	<0.039	<0.021	<0.019	<0.020	<0.024
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.027	<0.028	<0.029	<0.029	<0.028	<0.026	<0.029	<0.047	<0.026	<0.023	<0.025	<0.029
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.019	<0.020	<0.020	<0.020	<0.019	<0.019	<0.021	<0.033	<0.018	<0.016	<0.018	<0.020
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.021	<0.022	<0.023	<0.023	<0.022	<0.021	<0.023	<0.037	<0.020	<0.018	<0.020	<0.023
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.0089 *+	<0.0093 *+	<0.0095 *+	<0.0095 *+	<0.0091	<0.0087	<0.0097	***0.022 J***	<0.0085	<0.0075	<0.0082	<0.0095
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.022 *+	<0.023 *+	<0.023 *+	<0.023 *+	<0.022	<0.021	<0.024	<0.038	<0.021	<0.018	<0.020	<0.023
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.026 *+	<0.027 *+	<0.028 *+	<0.028 *+	<0.027	<0.025	<0.028	<0.046	<0.025	<0.022	<0.024	<0.028
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.023 *+	<0.024 *+	<0.024 *+	<0.024 *+	<0.023	<0.022	<0.025	<0.040	<0.022	<0.019	<0.021	<0.024
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.030 *+	<0.031 *+	<0.031 *+	<0.032 *+	<0.030	<0.029	<0.032	<0.051	<0.028	<0.025	<0.027	<0.032
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.049 *+	<0.051 *+	<0.052 *+	<0.052 *+	<0.049	<0.047	<0.053	<0.085	<0.046	<0.041	<0.045	<0.052
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.023	<0.024	<0.025	<0.025	<0.024	<0.023	<0.025	<0.041	<0.022	<0.020	<0.022	<0.025
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.024 *+	<0.025 *+	<0.025 *+	<0.025 *+	<0.024	<0.023	<0.026	<0.041	<0.022	<0.020	<0.022	<0.025
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.031 *+	<0.032 *+	<0.033 *+	<0.033 *+	<0.031	<0.030	<0.033	<0.054	<0.029	<0.026	<0.028	<0.033
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.023 *+	<0.024 *+	<0.024 *+	<0.024 *+	<0.023	<0.022	<0.025	<0.039	<0.021	<0.019	<0.021	<0.024
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.020	<0.020	<0.021	<0.021	<0.020	<0.019	<0.021	<0.034	<0.019	<0.016	<0.018	<0.021
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.025	<0.026	<0.026	<0.027	<0.025	<0.024	<0.027	<0.043	<0.024	<0.021	<0.023	<0.027
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.025	<0.027	<0.027	<0.027	<0.026	<0.025	<0.028	<0.044	<0.024	<0.021	<0.023	<0.027
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.030 *+	<0.031 *+	<0.032 *+	<0.032 *+	<0.030	<0.029	<0.032	<0.052	<0.028	<0.025	<0.027	<0.032
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.016 *+	<0.017 *+	<0.018 *+	<0.018 *+	<0.017	<0.016	<0.018	<0.029	<0.016	<0.014	<0.015	<0.018
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.041	<0.043	<0.044	<0.044	<0.042	<0.040	<0.045	<0.072	<0.039	<0.035	<0.038	<0.044
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.011	<0.012	<0.012	<0.012	<0.011	<0.011	<0.012	0.066	<0.011	<0.0094	<0.010	<0.012
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.027	<0.028	<0.029	<0.029	<0.028	<0.027	<0.030	<0.047	<0.026	<0.023	<0.025	<0.029
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.017	<0.018	<0.018	<0.018	<0.017	<0.016	<0.018	<0.029	<0.016	<0.014	<0.016	<0.018
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.023	<0.024	<0.025	<0.025	<0.024	<0.023	<0.025	0.075 J	<0.022	<0.020	<0.022	<0.025
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.024 *+	<0.025 *+	<0.026 *+	<0.026 *+	<0.024	<0.023	<0.026	<0.042	<0.023	<0.020	<0.022	<0.026
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.099 *+	<0.10 *+	<0.11 *+	<0.11 *+	<0.10	<0.097	<0.11	<0.17	<0.094	<0.084	<0.092	<0.11
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	<0.020	0.044 J	0.022 J	<0.022	<0.021	<0.020	<0.022	0.63	<0.019	<0.017	<0.019	<0.022
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	<0.024	<0.025	<0.025	<0.025	<0.024	<0.023	<0.026	0.057 J	<0.022	<0.020	<0.022	<0.025
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	<0.025	<0.026	<0.027	<0.027	<0.026	<0.025	<0.027	0.07 J	<0.024	<0.021	<0.023	<0.027
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.022	<0.023	<0.024	<0.024	<0.022	<0.022	<0.024	0.049 J	<0.021	<0.019	<0.020	<0.024
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.024	<0.025	<0.026	<0.026	<0.025	<0.024	<0.026	<0.042	<0.023	<0.020	<0.022	<0.026
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.024 *+	<0.025 *+	<0.025 *+	<0.025 *+	<0.024	<0.023	<0.026	<0.041	<0.022	<0.020	<0.022	<0.025
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.024	<0.025	<0.026	<0.026	<0.025	<0.024	<0.026	<0.042	<0.023	<0.020	<0.022	<0.026
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.023	<0.024	<0.024	<0.024	<0.023	<0.022	<0.025	***0.12***	***0.90***	***0.019 J***	<0.021	<0.024
Toluene	mg/Kg	8260B	1.1072	818	818	---	0.022	<0.0094	<0.0095	<0.0096	<0.0091	<0.0088	0.027	0.062	<0.0085	<0.0075	<0.0083	<0.0096

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	WB-MW-3		WB-MW-4		WB-MW-5		RTS-1	RTS-2	RTS-3		RTS-4	RTS-5
Depth (feet)							1-3	10-12	2-4	10-12	2-4	17-19	0-2	0.5-2.5	1-2	4	1-2	1-2
Soil Type							SW	CL	CL	CL	CL	CL	SP	GP	N/A	N/A	N/A	N/A
Soil Conditions							Moist	Moist	Moist	Moist	Moist	Moist	Moist	Unsaturated	Moist	Moist	Moist	Moist
Sampling Location							Exterior	Exterior	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	Interior	Interior	Interior
Sampling Date							5/3/2021	5/3/2021	5/3/2021	5/3/2021	7/20/2021	7/20/2021	3/3/2021	4/6/2021	5/18/2021	6/10/2021	5/18/2021	5/18/2021
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.021	<0.022	<0.023	<0.023	<0.022	<0.021	<0.023	<0.037	<0.020	<0.018	<0.020	<0.023
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.022	<0.023	<0.024	<0.024	<0.022	<0.022	<0.024	<0.039	<0.021	<0.019	<0.020	<0.024
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.010 *+	<0.010 *+	<0.011 *+	<0.011 *+	<0.010	<0.0098	***0.019 J***	***0.69***	<0.0095	<0.0084	<0.0092	<0.011
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.026	<0.027	<0.028	<0.028	<0.027	<0.025	<0.028	<0.046	<0.025	<0.022	<0.024	<0.028
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.016	<0.017	<0.017	<0.017	<0.016	<0.016	<0.017	<0.028	<0.015	<0.013	<0.015	<0.017
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.013	<0.014	<0.014	<0.014	<0.014	<0.013	<0.015	0.83	<0.013	<0.011	<0.012	<0.014
Polycyclic Aromatic Hydrocarbons (PAHs)																		
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	<0.0086	---	<0.0092	---	<0.0091	---	0.018 J	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	<0.0064	---	<0.0069	---	<0.0069	---	0.022 J	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	<0.0063	---	<0.0068	---	<0.0067	---	<0.0071	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	0.006 J	---	<0.0050	---	<0.0049	---	<0.0052	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	0.012 J	---	<0.0063	---	0.013 J	---	<0.0066	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	0.074	---	<0.0051	---	<0.0050	---	0.021 J	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	0.12	---	<0.0073	---	<0.0072	---	0.020 J	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	0.16	---	<0.0081	---	<0.0081	---	0.030 J	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	0.11	---	<0.012	---	<0.012	---	0.015 J F1	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	0.082	---	<0.011	---	<0.011	---	<0.012	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	0.13	---	<0.010	---	<0.010	---	0.034 J	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	0.021 J	---	<0.0073	---	<0.0072	---	<0.0076	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	0.18	---	<0.0070	---	<0.0069	---	0.044	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	<0.0049	---	<0.0053	---	<0.0052	---	<0.0055	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	0.095	---	<0.0098	---	<0.0097	---	0.017 J F1	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	0.0074 J	---	<0.0058	---	<0.0057	---	0.014 J	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	0.082	---	<0.0052	---	<0.0052	---	0.052	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	0.16	---	<0.0075	---	<0.0074	---	0.041	---	---	---	---	---
Polychlorinated Biphenyls (PCBs)																		
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	<0.0063	---	<0.0065	---	<0.0071	---	<0.0069	<0.0061	<0.0063	<0.0060	<0.0061	<0.0068
PCB-1221	mg/Kg	8082A	0.0094***	0.213	0.883	---	<0.0079	---	<0.0080	---	<0.0071	---	<0.0086	<0.0076	<0.0079	<0.0075	<0.0076	<0.0084
PCB-1232	mg/Kg	8082A	0.0094***	0.190	0.792	---	<0.0078	---	<0.0080	---	<0.0049	---	<0.0085	<0.0076	<0.0078	<0.0074	<0.0075	<0.0083
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	<0.0059	---	<0.0060	---	<0.0070	---	***0.071***	<0.0057	<0.0059	<0.0056	<0.0057	<0.0063
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	<0.0070	---	<0.0072	---	<0.0085	---	<0.0077	<0.0068	<0.0071	<0.0067	<0.0068	<0.0075
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	<0.0039	---	<0.0039	---	<0.0061	---	<0.0042	***0.018***	<0.0039	<0.0037	<0.0037	<0.0041
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1.000	---	***0.040***	---	<0.0090	---	<0.0068	---	<0.0096	<0.0085	<0.0088	<0.0083	<0.0085	<0.0094
RCRA Metals																		
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---	---	---	5.5	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	---	---	---	---	---	---	69	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	---	---	---	---	---	---	0.31	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	---	---	---	---	---	---	15	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---	---	---	14	---	---	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---	---	---	---	---	0.049	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	<0.68	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	0.27 J	---	---	---	---	---

Notes:

(1) From WDNR RCLs Worksheet dated December 2018

BOLD Italicized values exceed Groundwater Protection

BOLD values exceed Non-Industrial Direct Contact

BOLD Underlined values exceed Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

*** = Combined established standard of PCBs

*+ = Laboratory Control Sample or Laboratory Control Sample Duplicate is outside acceptance limits, high biased

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	RTS-6	Trip Blank	WB-B-16		WB-B-17		WB-B-18	WB-B-19	WB-B-20	Trip Blank	Trip Blank
Depth (feet)							1-2	---	2-4	8-10	2-4	8-10	7-8	7-8	8-9	---	---
Soil Type							N/A	---	CL	CL	CL	CL	CL	CL	CL	---	---
Soil Conditions							Moist	---	Moist	Moist	Moist	Moist	Moist	Moist	Moist	---	---
Sampling Location							Interior	---	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	---	---
Sampling Date							5/18/2021	4/2/2021	7/15/2021	7/15/2021	7/15/2021	7/15/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/15/2021
Physical Characteristics																	
Percent Moisture							16.7	14.1	12.3	12.1	10.3	11.8	11.4	10.4	13.7	--	--
Percent Solids							83.3	85.9	87.7	87.9	89.7	88.2	88.6	89.6	86.3	--	--
Volatile Organic Compounds (VOCs)																	
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.032	<0.023	<0.029	<0.029	<0.028	<0.029	<0.029	<0.028	<0.030	<0.023	<0.023
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.027	<0.019	<0.024	<0.024	<0.023	<0.024	<0.024	<0.023	<0.025	<0.019	<0.019
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.028	<0.020	<0.025	<0.025	<0.024	<0.025	<0.025	<0.025	<0.026	<0.020	<0.020
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.025	<0.018	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.023	<0.018	<0.018
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.029	<0.021	<0.026	<0.026	<0.025	<0.026	<0.026	<0.025	<0.027	<0.021	<0.021
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	---	<0.027	<0.020	<0.025	<0.025	<0.024	<0.025	<0.025	<0.024	<0.026	<0.020	<0.020
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.021	<0.015	<0.019	<0.019	<0.018	<0.019	<0.019	<0.018	<0.020	<0.015	<0.015
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.032	<0.023	<0.029	<0.029	<0.028	<0.029	<0.029	<0.028	<0.030	<0.023	<0.023
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.029	<0.021	<0.026	<0.026	<0.025	<0.026	<0.026	<0.026	<0.027	<0.021	<0.021
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.024	<0.017	<0.022	<0.022	<0.021	<0.022	<0.022	<0.021	<0.023	<0.017	<0.017
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	<0.025	<0.018	<0.023	<0.023	<0.022	<0.023	<0.023	<0.022	<0.024	<0.018	<0.018
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.14	<0.10	<0.13	<0.13	<0.12	<0.13	<0.13	<0.12	<0.13	<0.10	<0.10
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	---	<0.027	<0.019	<0.025	<0.024	<0.024	<0.024	<0.024	<0.024	<0.025	<0.019	<0.019
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.023	<0.017	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.022	<0.017	<0.017
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.027	<0.020	<0.025	<0.025	<0.024	<0.025	<0.025	<0.024	<0.026	<0.020	<0.020
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.030	<0.021	<0.027	<0.027	<0.026	<0.027	<0.027	<0.026	<0.028	<0.021	<0.021
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.027	<0.019	<0.024	<0.024	<0.023	<0.024	<0.024	<0.023	<0.025	<0.019	<0.019
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.028	<0.020	<0.026	<0.025	<0.025	<0.025	<0.025	<0.025	<0.026	<0.020	<0.020
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.025	<0.018	<0.023	<0.023	<0.022	<0.023	<0.023	<0.022	<0.024	<0.018	<0.018
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.025	<0.018	<0.023	<0.023	<0.022	<0.023	<0.023	<0.022	<0.024	<0.018	<0.018
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.031	<0.022	<0.028	<0.028	<0.027	<0.028	<0.028	<0.027	<0.029	<0.022	<0.022
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.022	<0.016	<0.020	<0.020	<0.019	<0.020	<0.020	<0.019	<0.021	<0.016	<0.016
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.024	<0.018	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.023	<0.018	<0.018
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.010	<0.0073	<0.0093	<0.0092	<0.0090	<0.0092	<0.0093	<0.0090	<0.0096	<0.0073	<0.0073
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.025	<0.018	<0.023	<0.022	<0.022	<0.022	<0.023	<0.022	<0.023	<0.018	<0.018
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.030	<0.021	<0.027	<0.027	<0.026	<0.027	<0.027	<0.026	<0.028	<0.021	<0.021
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.026	<0.019	<0.024	<0.023	<0.023	<0.023	<0.024	<0.023	<0.025	<0.019	<0.019
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.034	<0.024	<0.031	<0.030	<0.030	<0.030	<0.031	<0.030	<0.032	<0.024	<0.024
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.056	<0.040	<0.051	<0.050	<0.049	<0.050	<0.050	<0.049	<0.053	<0.040	<0.040
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.027	<0.019	<0.025	<0.024	<0.024	<0.024	<0.024	<0.024	<0.025	<0.019	<0.019
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.027	<0.019	<0.025	<0.024	<0.024	<0.024	<0.024	<0.024	<0.025	<0.019	<0.019
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.035	<0.025	<0.032	<0.032	<0.031	<0.032	<0.032	<0.031	<0.033	<0.025	<0.025
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.026	<0.019	<0.024	<0.023	<0.023	<0.023	<0.023	<0.023	<0.024	0.025 J	<0.019
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.022	<0.016	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.021	<0.016	<0.016
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.028	<0.020	<0.026	<0.026	<0.025	<0.026	<0.026	<0.025	<0.027	<0.020	<0.020
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.029	<0.021	<0.027	<0.026	<0.026	<0.026	<0.026	<0.026	<0.027	<0.021	<0.021
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.034	<0.024	<0.031	<0.031	<0.030	<0.031	<0.031	<0.030	<0.032	<0.024	<0.024
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.019	<0.014	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.018	<0.014	<0.014
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.047	<0.034	<0.043	<0.042	<0.041	<0.042	<0.043	<0.042	<0.044	<0.034	<0.034
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.013	<0.0092	<0.012	<0.012	<0.011	<0.012	<0.012	<0.011	<0.012	<0.0092	<0.0092
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.031	<0.022	<0.028	<0.028	<0.027	<0.028	<0.028	<0.027	<0.029	<0.022	<0.022
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.019	<0.014	<0.018	<0.017	<0.017	<0.017	<0.018	<0.017	<0.018	<0.014	<0.014
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.027	<0.019	<0.025	<0.024	<0.024	<0.024	<0.024	<0.024	<0.025	<0.019	<0.019
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.027	<0.020	<0.025	<0.025	<0.024	<0.025	<0.025	<0.024	<0.026	<0.020	<0.020
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	---	<0.11	***0.16 J B***	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.082	<0.082
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	---	0.053 J	<0.017	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.022	<0.017	<0.017
n-Butylbenzene	mg/Kg	8260B	---	108	108	---	<0.027	<0.019	<0.025	<0.024	<0.024	<0.024	<0.025	<0.024	<0.026	<0.019	<0.019
N-Propylbenzene	mg/Kg	8260B	---	264	264	---	<0.029	<0.021	<0.026	<0.026	<0.025	<0.026	<0.026	<0.026	<0.027	<0.021	<0.021
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	---	<0.025	<0.018	<0.023	<0.023	<0.022	<0.023	<0.023	<0.022	<0.024	<0.018	<0.018
sec-Butylbenzene	mg/Kg	8260B	---	145	145	---	<0.028	<0.020	<0.025	<0.025	<0.024	<0.025	<0.025	<0.025	<0.026	<0.020	<0.020
Styrene	mg/Kg	8260B	0.22	867	867	---	<0.027	<0.019	<0.025	<0.024	<0.024	<0.024	<0.024	<0.024	<0.025	<0.019	<0.019
tert-Butylbenzene	mg/Kg	8260B	---	183	183	---	<0.028	<0.020	<0.025	<0.025	<0.024	<0.025	<0.025	<0.025	<0.026	<0.020	<0.020
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	---	<0.026	<0.019	<0.024	<0.023	<0.023	<0.023	<0.023	<0.023	<0.024	<0.019	<0.019
Toluene	mg/Kg	8260B	1.1072	818	818	---	<0.010	<0.0074	<0.0094	<0.0093	<0.0090	<0.0093	0.016	<0.0091	<0.0097	0.011 J	<0.0074

TABLE 3
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	Method	NR 720 RCLs for GW Protection (1)	NR 720 RCLs - Non-Industrial Use for Direct Contact Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	Background Threshold Value	RTS-6	Trip Blank	WB-B-16		WB-B-17		WB-B-18	WB-B-19	WB-B-20	Trip Blank	Trip Blank
Depth (feet)							1-2	---	2-4	8-10	2-4	8-10	7-8	7-8	8-9	---	---
Soil Type							N/A	---	CL	CL	CL	CL	CL	CL	CL	---	---
Soil Conditions							Moist	---	Moist	Moist	Moist	Moist	Moist	Moist	Moist	---	---
Sampling Location							Interior	---	Exterior	Exterior	Exterior	Exterior	Interior	Interior	Interior	---	---
Sampling Date							5/18/2021	4/2/2021	7/15/2021	7/15/2021	7/15/2021	7/15/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/15/2021
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	---	<0.024	<0.018	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.023	<0.018	<0.018
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	---	<0.025	<0.018	<0.023	<0.023	<0.022	<0.023	<0.023	<0.022	<0.024	<0.018	<0.018
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	---	<0.011	<0.0082	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.011	<0.0082	<0.0082
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	---	<0.030	<0.021	<0.027	<0.027	<0.026	<0.027	<0.027	<0.026	<0.028	<0.021	<0.021
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	---	<0.018	<0.013	<0.017	<0.017	<0.016	<0.017	<0.017	<0.016	<0.017	<0.013	<0.013
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	---	<0.015	<0.011	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.015	<0.011	<0.011
Polycyclic Aromatic Hydrocarbons (PAHs)																	
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	<0.0089	---	<0.0086	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	<0.0067	---	<0.0065	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	<0.0066	---	<0.0064	---	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	<0.0048	---	<0.0047	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	0.013 J	---	<0.0059	---	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	<0.0049	---	<0.0048	---	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	<0.0071	---	<0.0069	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	<0.0079	---	<0.0076	---	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	<0.012	---	<0.011	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	<0.011	---	<0.010	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	<0.010	---	<0.0097	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	<0.0071	---	<0.0068	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	0.014 J	---	<0.0066	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	<0.0051	---	<0.0050	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	<0.0095	---	<0.0092	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	<0.0056	---	<0.0054	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	0.011 J	---	<0.0049	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	<0.0073	---	<0.0070	---	---	---	---	---	---
Polychlorinated Biphenyls (PCBs)																	
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	<0.069	---	<0.0073	---	<0.0072	---	---	---	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0.213	0.883	---	<0.085	---	<0.0073	---	<0.0072	---	---	---	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.190	0.792	---	<0.085	---	<0.0051	---	<0.0049	---	---	---	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	<0.064	---	<0.0073	---	<0.0071	---	---	---	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	<0.076	---	<0.0089	---	<0.0087	---	---	---	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	0.988	---	**1.6**	---	<0.0063	---	<0.0062	---	---	---	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1.000	---	<0.095	---	<0.0070	---	<0.0069	---	---	---	---	---	---
RCRA Metals																	
Arsenic	mg/Kg	6010B	0.584	0.677	3	8.3	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	364	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	1	---	---	---	---	---	---	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	44	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	51.6	---	---	---	---	---	---	---	---	---	---	---
Mercury	mg/Kg	7471A	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

(1) From WDNR RCLs Worksheet dated December 2018

BOLD Italicized *values* exceed Groundwater Protection

BOLD values exceed Non-Industrial Direct Contact

BOLD Underlined values exceed Industrial Direct-Contact RCLs

--- = Not analyzed / No established standard

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

B = Compound was found in the blank and sample

* = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits

** = Combined established standard of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene; and 3 & 4 Methylphenol

*** = Combined established standard of PCBs

*+ = Laboratory Control Sample or Laboratory Control Sample Duplicate is outside acceptance limits, high biased

TABLE 4
GROUNDWATER QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Sample	Units	EPA Method	NR 140 PAL	NR 140 ES	WB-MW-1	WB-MW-2	WB-MW-4	WB-MW-5	Trip Blank	Trip Blank
Date					6/30/2021	6/30/2021	6/30/2021	07/20/2021	6/30/2021	07/20/2021
Volatile Organic Compounds (VOCs)										
1,1,1,2-Tetrachloroethane	ug/L	8260C	*7*	**70**	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,1,1-Trichloroethane	ug/L	8260C	*40*	**200**	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2,2-Tetrachloroethane	ug/L	8260C	*0.02*	**0.2**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,1,2-Trichloroethane	ug/L	8260C	*0.5*	**5**	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,1-Dichloroethane	ug/L	8260C	*85*	**850**	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,1-Dichloroethene	ug/L	8260C	*0.7*	**7**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,1-Dichloropropene	ug/L	8260C	---	---	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,2,3-Trichlorobenzene	ug/L	8260C	---	---	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,3-Trichloropropane	ug/L	8260C	*12*	**60**	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2,4-Trichlorobenzene	ug/L	8260C	*14*	**70**	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,2,4-Trimethylbenzene*	ug/L	8260C	*96*	**480**	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2-Dibromo-3-Chloropropane	ug/L	8260C	*0.02*	**0.2**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dibromoethane	ug/L	8260C	*0.005*	**0.05**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichlorobenzene	ug/L	8260C	*60*	**600**	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2-Dichloroethane	ug/L	8260C	*0.5*	**5**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	ug/L	8260C	*0.5*	**5**	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3,5-Trimethylbenzene*	ug/L	8260C	*96*	**480**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3-Dichlorobenzene	ug/L	8260C	*60*	**600**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,3-Dichloropropane	ug/L	8260C	---	---	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,4-Dichlorobenzene	ug/L	8260C	*15*	**75**	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
2,2-Dichloropropane	ug/L	8260C	---	---	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
2-Chlorotoluene	ug/L	8260C	---	---	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
4-Chlorotoluene	ug/L	8260C	---	---	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Benzene	ug/L	8260C	*0.5*	**5**	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Bromobenzene	ug/L	8260C	---	---	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Bromochloromethane	ug/L	8260C	---	---	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Bromodichloromethane	ug/L	8260C	*0.06*	**0.6**	<0.37	<0.37	<0.37	<0.37	<0.37	*<0.37*
Bromoform	ug/L	8260C	*0.44*	**4.4**	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	ug/L	8260C	*1*	**10**	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
Carbon tetrachloride	ug/L	8260C	*0.5*	**5**	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
Chlorobenzene	ug/L	8260C	---	---	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	ug/L	8260C	*80*	**400**	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	ug/L	8260C	*0.6*	**6**	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	ug/L	8260C	*3*	**30**	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
cis-1,2-Dichloroethene	ug/L	8260C	*7*	**70**	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	ug/L	8260C	*0.04*	**0.4**	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	ug/L	8260C	*6*	**60**	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Dibromomethane	ug/L	8260C	---	---	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dichlorodifluoromethane	ug/L	8260C	*200*	**1,000**	<0.67	<0.67	<0.67	<0.67	<0.67	*<0.67*
Ethylbenzene	ug/L	8260C	*140*	**700**	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	ug/L	8260C	*0.1*	**1**	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Diisopropyl ether	ug/L	8260C	---	---	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Isopropylbenzene	ug/L	8260C	---	---	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl tert-butyl ether	ug/L	8260C	*12*	**60**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	ug/L	8260C	*0.5*	**5**	**6.5**	**6.5**	**6.7**	<1.6	**6.5**	<1.6
Naphthalene	ug/L	8260C	*10*	**100**	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Butylbenzene	ug/L	8260C	---	---	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
n-Propylbenzene	ug/L	8260C	---	---	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
p-Isopropyltoluene	ug/L	8260C	---	---	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
sec-Butylbenzene	ug/L	8260C	---	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Styrene	ug/L	8260C	*10*	**100**	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
tert-Butylbenzene	ug/L	8260C	---	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Tetrachloroethene	ug/L	8260C	*0.5*	**5**	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	ug/L	8260C	*160*	**800**	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	ug/L	8260C	*20*	**100**	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
trans-1,3-Dichloropropene	ug/L	8260C	*0.04*	**0.4**	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Trichloroethene	ug/L	8260C	*0.5*	**5**	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	ug/L	8260C	---	---	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl chloride	ug/L	8260C	*0.02*	**0.2**	<0.20	<0.20	**0.29**	<0.20	<0.20	<0.20
Total Xylenes	ug/L	8260C	*400*	**2,000**	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22

Italics = Exceeds NR 140 Preventive Action Limits (PAL)
Bold = Exceeds NR 140 Enforcement Limits (ES)
--- No Established Standards
* The combined total of 1,2,4 and 1,3,5-TMB)
** The combined total xylenes
Methylene Chloride present in MW-1 to 3 is a lab artifact, indicated by a detection in the 6/30/2021 trip blank

TABLE 5
PFAS EVALUATION TABLE
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

Evaluation of PFAs Based on ITRC Table 2-4 (https://pfas-1.itrcweb.org/2-5-pfas-uses/)

Industry / Application	PFAs Type	Documented Use and Examples of Some PFAs	Site Evaluation
Aviation and Aerospace	Polymer	Mechanical components made of fluoropolymers (such as PTFE and PFA tubing, piping, seals, gaskets, cables, and insulators)	No aviation or aerospace activities performed at site.
	Nonpolymers	Hydraulic fluid additives made from PFSA salts (such as PFOS at about 0.1%) to prevent evaporation, fires, and corrosion	
Automotive	Polymer	Mechanical components made of fluoropolymers, including wiring and cable, fuel delivery tubing, seals, bearings, gaskets and lubricants, and some polymer coatings on carpets	No automotive parts manufacturing related to PFAs containing materials performed on site.
	Nonpolymers	Surface treatment for textiles, upholsteries, carpets, leather and exterior surfaces	
Biocides (Herbicides and Pesticides)	Polymer	None reported	No biocides used or manufactured on site.
	Nonpolymers	Active ingredients such as short-chain sulfonamides in plant growth regulators and herbicides, and EtFOSA (sulfluramid) in ant and termite baits; inert enhancing ingredients in pesticides; PFPAs and PFPiAs as anti-foaming agents in solutions	
Building and Construction	Polymer	Fluoropolymer membranes and coatings (such as PTFE, PVDF, and/or side-chain fluorinated polymers) in architectural materials (like fabrics, roofing membranes, metals, stone, tiles, concrete, radomes); adhesives, seals, caulks; additives in paints (for example, low- and no-VOC latex paints), varnishes, dyes, stains, sealants; surface treatment agent and laminates for conserving landmarks	No building or construction manufacturing performed on site.
	Nonpolymers	Additives in paints, coatings, and surface treatments (PASF- and fluorotelomer-based compounds, ammonium salt of PFHxA)	
Cable and Wiring	Polymer	Coatings and jacketings made of fluoropolymers (such as PTFE and PVDF) for weathering, flame, and soil resistance, with cables used in many applications, including communication facilities, antennae, and computer networks	No cable or wiring manufacturing performed on site.
	Nonpolymers	None reported	
Cosmetics/Personal Care Products	Polymer	Dental floss and micro powders used in creams and lotions.	No cosmetics or personal care products manufacturing performed on site.
	Nonpolymers	Cosmetics, shampoos, nail polish, eye makeup, denture cleaners	
Electronics	Polymer	Fluoropolymers (such as PVDF and PTFE) used in insulators, solder sleeves, printed circuit boards, cell phones, computers, speakers, and transducers	No electronics manufacturing performed on site.
	Nonpolymers	Flame retardants for polycarbonate resin (such as the potassium salt of PFBS)	
Energy	Polymer	Fluoropolymer films (such as FEP, PVDF) to cover solar panel collectors, electrolyte fuel cells, PTFE expansion joint materials for power plants	No manufacturing related to energy production performed on site.
	Nonpolymers	Fuel cell and battery electrolyte (such as the lithium salt of PFAAs)	
Firefighting/Safety	Polymer	Fluoropolymers used in firefighting equipment and protective clothing (such as those woven with PTFE). Other polymer coatings using side-chain fluorinated polymers)	No fire fighting foams used or manufactured on site.
	Nonpolymers	Coatings and materials used as water repellents and some Class B foam (may contain PFCAs, PFSAs, and fluorotelomer-based derivatives), vapor suppression for flammable liquids (for example, gasoline storage)	
Food Processing	Polymer	Fluoropolymer fabrication materials (such as PTFE) (liners for trays, ovens, grills)	No food processing performed on site.
	Nonpolymers	May be used as coatings on food packaging	
Household Products	Polymer	Nonstick coatings (fluoropolymers such as PTFE); aftermarket treatment for textiles, upholsteries, carpets, and leather (such as FT-based side-chain fluorinated polymers)	No household products manufactured on site.
	Nonpolymers	Aftermarket treatment for textiles, upholsteries, carpets, and leather (such as PASFs; floor polishes (such as the ammonium salt of PFDA), coatings, and floor finishes (PFPAs and PFPiAs) and cleaning agents and alkaline cleaners; automobile waxes; may include PFAAs, PASF- and fluorotelomer-based derivatives	
Medical Products	Polymer	Fluoropolymers used in surgical patches, cardiovascular grafts, raw materials for human body implants (such as catheters, stents, needles, and other) given biocompatibility and extremely low coefficient of friction	No medical products manufactured on site.
	Nonpolymers	X-ray film, stain- and water-repellent protective medical fabrics (like surgical drapes and gowns) created from PASF- or fluorotelomer-based (meth)acrylate polymers and polyurethanes	
Metal Plating	Polymer	None reported	Metal foundry work performed on site did not include electrochemical plating.
	Nonpolymers	Wetting agent, mist suppression for harmful vapors, and surfactants (may include potassium, lithium, diethanolamine and ammonium salts of PFOS or 6:2 FTS)	
Oil Production	Polymer	Lining of gas pipes	No oil production manufacturing or related work performed on site.
	Nonpolymers	Marketed for and potential instances of use in oil well production	
Mining	Polymer	None reported	No mining or related manufacturing performed on site.
	Nonpolymers	Instances of surfactants used in ore mining flotation	
Paper and Packaging	Polymer	Oil and grease and water repellent to paper, paperboard, molded pulp products (including food contact materials), and LDPE bags; examples include side-chain fluorinated polymers in which the PASF- or fluorotelomer-based alcohols or their acrylate or methacrylate esters are attached on side chains	No manufacturing involving PFAs containing paper and packaging performed on site.
	Nonpolymers	Phosphate ester salts (esterification of PASF or FT-based alcohols with phosphoric acid; PFPEs	
PFAS Production	Polymer	Not applicable	No PFAs manufactured on site.
	Nonpolymers	Emulsion polymerization processing aids for fluoropolymers (such as PTFE, FEP, PFA, PVDF), (co)monomer of side-chain fluorinated polymers; (co)monomer of fluoropolymers and to make fluoroelastomers; may use salts of long-chain PFCAs (such as PFOA and PFNA), salts of short-chain PFCAs (such as PFHxA), or PFECAs	
Photolithography & Semiconductor	Polymer	Equipment raw materials (such as PFA) for molded wafer baskets to handle corrosive liquids and gases, use as fluids in mechanical vacuum pumps	No semiconductor manufacturing performed on site.
	Nonpolymers	Photolithography (such as using PFOS) in manufacture of semiconductor chips	
Textiles (Upholstery, Carpets), Leather, and Apparel	Polymer	Fluoropolymers (such as PTFE) are used in the construction of outdoor gear, clothing, and housewares; side-chain fluorinated polymers (such as PASF- or fluorotelomer-based (meth)acrylate polymers and -polyurethanes) may be used in oil- and water-repellent and stain release finishing and treatment coatings	Work involving textiles, leather, and/or apparels performed on site in the past.
	Nonpolymers	PFOA-based chromium treatment for paper and leather. Nonpolymer coatings used to treat textiles to provide oil- and water- repellent and stain release finishes	
Other	Polymer or Nonpolymers	Scrap Yards, Neighboring Sites, Suspicious Fill	Not a scrap yard or landfill. No neighboring sites with reported PFAs.

TABLE 6
SUB-SLAB VAPOR ANALYTICAL RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

	SUB-SLAB VAPOR VRSL			WB-SS-1	WB-SS-2	WB-SS-2	WB-SS-3	WB-SS-4	WB-SS-5	WB-SS-6	WB-SS-7	WB-SS-8	WB-SS-8	WB-SS-9	WB-SS-9	WB-SS-10	WB-SS-10
	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
			LARGE	3/2/2021	3/2/2021	8/19/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	8/19/2021	3/2/2021	8/19/2021	3/2/2021	8/19/2021
CHEMICAL (ug/m^3)	RESIDENTIAL	SMALL COMMERCIAL	COMMERCIAL / INDUSTRIAL	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	< 0.249	0.33 J	0.38 J	118	6.5	3.6	1.25	297	3.9	10.3	1.41	3.6	0.92	85
1,1,2,2-Tetrachloroethane	1.6	7	21	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	2.9	8.8	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	600	2,600	7,700	< 0.187	< 0.187	< 0.187	0.56 J	< 0.187	< 0.187	< 0.187	0.4 J	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2,4-Trichlorobenzene	700	2933	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	2,100	8,700	26,000	0.49 J	6.6	5.4	6.1	0.44 J	< 0.283	0.64 J	0.83 J	0.54 J	10.4	0.44 J	5.4	0.49 J	10.5
1,2-Dichlorobenzene	700	2933	8,800	< 0.235	16.1	25.5	6.1	< 0.235	< 0.235	< 0.235	< 0.235	< 0.235	9.1	< 0.235	18.4	< 0.235	10.1
1,2-Dichloroethane	36	160	470	< 0.24	< 0.24	0.49 J	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	14	60	180	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	2,100	8,700	26,000	< 0.232	3.4	1.47	1.82	< 0.232	< 0.232	< 0.232	< 0.232	< 0.232	3.2	< 0.232	1.52	< 0.232	3.14
1,3-Butadiene	---	---	---	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143
1,3-Dichlorobenzene	---	---	---	< 0.302	0.42 J	0.48 J	0.96	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	0.42 J	< 0.302	0.42 J
1,4-Dichlorobenzene	8	37	110	< 0.302	1.62	2.94	0.9 J	< 0.302	< 0.302	< 0.302	< 0.302	< 0.302	1.98	< 0.302	2.94	< 0.302	2.46
1,4-Dioxane	18	83.3	250	< 0.157	< 0.157	< 0.157	34	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	---	0.74	< 0.222	< 0.222	8.5	< 0.222	< 0.222	0.33 J	1.43	< 0.222	< 0.222	< 0.222	< 0.222	< 0.222	< 0.222
4-Ethyltoluene	---	---	---	< 0.214	5.1	1.32	0.74	< 0.214	< 0.214	< 0.214	< 0.214	< 0.214	2.75	< 0.214	1.23	< 0.214	2.35
Acetone	106,667	466,667	1,400,000	14.1	4.9	19.9	305 10	57	9.3	14.8	48	15.1	55	39	15.6	15.6	78
Acrolein	---	---	---	0.44	< 0.094	---	0.94	< 0.094	0.6	< 0.094	< 0.094	< 0.094	---	0.62	---	< 0.094	--
Benzene	120	530	1,600	1.15	1.79	0.93	3.7	1.85	2.36	0.42 J	1.05	0.96	101	5.4	3.7	0.32 J	6.5
Benzyl Chloride	1.9	8	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Bromoform	86.6	367	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414
Bromomethane	17.3	73	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbon Disulfide	2,433	10,333	31,000	6.2	0.59	2.12	14.6	9.4	0.28 J	2.68	2.24	1.93	18.5	15.6	5.3	1.12	21.7
Carbon Tetrachloride	156	667	2,000	0.69 J	0.5 J	0.44 J	< 0.307	3.4	0.5 J	0.88 J	10.3	< 0.307	0.5 J	< 0.307	0.38 J	< 0.307	0.63 J
Chlorobenzene	173	733	2,200	< 0.251	20.8	52	0.97	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	13.9	< 0.251	25.5	< 0.251	7.4
Chloroethane	33,333	146,667	440,000	< 0.159	2.77	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	3,100	13,000	39,000	< 0.3	0.34 J	0.63 J	< 0.3	0.78 J	< 0.3	< 0.3	0.97	< 0.3	< 0.3	< 0.3	1.31	< 0.3	0.49 J
Chloromethane	3,100	13,000	39,000	< 0.831	< 0.831	0.87 J	< 0.831	< 0.831	1.61 J	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831	0.91 J	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	---	< 0.197	0.75	0.4 J	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234
Cyclohexane	3,333	14,667	44,000	2.86	4.1	0.69	2.62	2.86	0.55 J	0.241 J	0.41 J	< 0.212	107	0.59 J	2.96	< 0.212	8.8
Dibromochloromethane	---	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	3,300	14,667	44,000	3.8	2.87	2.13	2.62	2.87	2.62	2.57	2.52	2.77	2.37	2.82	2.22	2.72	2.37
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342
Ethanol	---	---	---	37	19.1	25.1	170 10	283	32	179 10	102	12.6	21.3	45	0.32 J	27.7	16.4
Ethyl Acetate	---	---	---	16.7	< 0.176	2.49	< 0.176	1.62	< 0.176	< 0.176	< 0.176	< 0.176	4.2	1.48	1.58	< 0.176	1.84
Ethylbenzene	370	1,600	4,900	0.82	17.1	42	3.6	0.61 J	0.39 J	0.61 J	0.65	0.39 J	51	1.04	35	< 0.203	27.1
Heptane	---	---	---	19.4	4.7	3.6	6.5	1.8	1.1	0.9	1.92	1.27	137	27.4	9.9	< 0.265	28
Hexachlorobutadiene	4.3	19	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489
Hexane	1,400	6,000	18,000	8.7	340	5.5	42	1.83	34	2.64	1.62	2.36	240	38	17.9	0.74 J	24.5
Isopropyl Alcohol	---	---	---	7.3	3.8	7	32	15.5	3.5	14.8	25.5	1.67	9.4	8.6	1.38	5.7	11
m&p-Xylene	3,300	15,000	44,000	1.39	15.7	307	7.4	2.17	1 J	1.17 J	1.56	0.74 J	202	1.21	255	0.56 J	146
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	6	2.18	5.7	96	14.1	3.4	2.15	12.9	43	228	13.5	14	6.1	73
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	0.98	< 0.168	2.99	6.4	0.57	< 0.168	0.86	1.88	0.98	8.1	1.15	1.6	0.78	3.8
Methyl Methacrylate	---	---	---	< 0.217	< 0.217	3.6	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	2.05	< 0.217	2.5	< 0.217	1.23

TABLE 6
SUB-SLAB VAPOR ANALYTICAL RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-1	WB-SS-2	WB-SS-2	WB-SS-3	WB-SS-4	WB-SS-5	WB-SS-6	WB-SS-7	WB-SS-8	WB-SS-8	WB-SS-9	WB-SS-9	WB-SS-10	WB-SS-10
	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	3/2/2021	3/2/2021	8/19/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	3/2/2021	8/19/2021	3/2/2021	8/19/2021	3/2/2021	8/19/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Methyl tert-butyl ether (MTBE)	3,700	16,000	47,000	< 0.16	< 0.16	1.19	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	1.12	< 0.16	0.72
Methylene chloride	21,000	87,000	260,000	< 0.159	< 0.159	< 15	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 15	< 0.159	< 15	< 0.159	< 15
Naphthalene	28	6,000	360	< 0.675	< 0.675	1.31 J	13.3	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675	1.62 J	< 0.675	0.99 J	< 0.675	2.04 J
o-Xylene	3,300	15,000	44,000	0.61 J	8	117	3.12	0.87	0.43 J	0.52 J	0.74	0.35 J	88	0.65 J	102	0.303 J	72
Propene	---	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	0.255 J	0.298 J	4.3	0.298 J	< 0.181	< 0.181	< 0.181	< 0.181	< 0.181	3.1	0.213 J	3.5	< 0.181	3.6
Tetrachloroethene (PCE)	1,400	6,000	18,000	4.4	5.9	12.4	10.6	24.7	127	80	4700	5.9	14	9.6	24.6	12.8	160
Tetrahydrofuran	7,000	29,333	88,000	0.85	< 0.131	< 0.131	0.91	1.24	< 0.131	< 0.131	1.15	12.2	63	2.59	15.5	9.8	8.3
Toluene	170,000	730,000	2,200,000	5.6	12.5	101	21.2	6.8	6.4	5.2	7	23.2	91	11.7	72	5.4	48
trans-1,2-Dichloroethene	---	---	---	< 0.231	1.15	0.87	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231
trans-1,3-Dichloropropene	---	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	70	290	880	0.54 J	1.77	2.89	0.96	380	1.12	< 0.237	111	0.86	2.46	2.89	7.4	3.7	207
Trichlorofluoromethane	---	---	---	1.8	1.69	1.35	1.29	3.3	1.29	2.13	7.8	1.97	5.6	1.74	17.3	7	3.15
Trichlorotrifluoroethane	---	---	---	0.69 J	0.61 J	0.54 J	3.9	2.07	0.54 J	0.61 J	3.8	0.54 J	0.92 J	0.54 J	0.69 J	0.54 J	0.69 J
Vinyl acetate	700	2933	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203
Vinyl Chloride	57	930	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	0.46 J	< 0.148	< 0.148	< 0.148

Comments

All results in micrograms per cubic meter (ug/m^3)
"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation
"10" Code = Linear Range of Calibration Curve Exceeded
VRSL = Vapor Risk Screening Levels
Indicates detection is above Residential VRSLs
Indicates detection is above Small Commercial VRSLs
Indicates detection is above Large Commercial / Industrial VRSLs

TABLE 6
SUB-SLAB VAPOR ANALYTICAL RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-11	WB-SS-11	WB-SS-12	WB-SS-12	WB-SS-13	WB-SS-13	WB-SS-14	WB-SS-14	WB-SS-15	WB-SS-16	WB-SS-17	WB-SS-18	WB-SS-19
	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	3/2/2021	8/19/2021	3/2/2021	8/19/2021	3/2/2021	8/19/2021	3/2/2021	8/19/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021	4/1/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	3300	109,000	34	117	7.9	53	1.69	44	0.76 J	78	1.58	17	460
1,1,2,2-Tetrachloroethane	1.6	7	21	< 0.325	< 0	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	2.9	8.8	< 0.258	0 J	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	600	2,600	7,700	5.6	139	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	0.36 J	< 0.187	< 0.187	2.12
1,1-Dichloroethene	7,000	29,000	88,000	81	3,400	0.277 J	< 0.21	< 0.21	0.32 J	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
1,2,4-Trichlorobenzene	700	2933	8,800	< 0.657	< 1	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	2,100	8,700	26,000	19.2	9.8	0.98	2.4	5.5	2.94	8.7	8.5	2.16	8.5	3.6	7.7	5.2
1,2-Dichlorobenzene	700	2933	8,800	< 0.235	5.3	< 0.235	0.53 J	< 0.235	0.77	< 0.235	6.5	0.71 J	29	< 0.235	< 0.235	< 0.235
1,2-Dichloroethane	36	160	470	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	14	60	180	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	2,100	8,700	26,000	11.7	3.14	0.39 J	0.69 J	1.67	0.83	3.3	2.6	0.78	3.7	1.03	2.45	2.16
1,3-Butadiene	---	---	---	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	3.6	5.4	12.5
1,3-Dichlorobenzene	---	---	---	< 0.302	0.54 J	< 0.302	< 0.302	0.36 J	< 0.302	< 0.302	0.54 J	< 0.302	0.72 J	< 0.302	< 0.302	< 0.302
1,4-Dichlorobenzene	8	37	110	< 0.302	1.44	< 0.302	0.9 J	< 0.302	1.26	< 0.302	1.8	< 0.302	2.28	< 0.302	< 0.302	< 0.302
1,4-Dioxane	18	83.3	250	2.13	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	9.5	< 0.157	< 0.157	4.6
2-Hexanone	---	---	---	1.6	< 0.222	2.41	1.96	< 0.222	< 0.222	< 0.222	5.3	1.02	< 0.222	6.5	19.9	< 0.222
4-Ethyltoluene	---	---	---	2.55	1.67	< 0.214	0.49 J	0.49 J	0.54 J	0.74	1.47	0.69	2.7	1.32	2.35	1.82
Acetone	106,667	466,667	1,400,000	41	98	71	118	20.5	550	9.5	94	26.4	288 10	31.4	330	< 0.299
Acrolein	---	---	---	< 0.094	---	0.76	---	0.41	---	< 0.094	---	0.83	2.86	2.25	1.38	0.83
Benzene	120	530	1,600	0.48	4.7	1.69	2.62	1.18	3.4	0.86	3.5	6	24.7	14.1	30.7	34
Benzyl Chloride	1.9	8	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209
Bromodichloromethane	2.53	11	33	0.54 J	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Bromoform	86.6	367	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414
Bromomethane	17.3	73	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbon Disulfide	2,433	10,333	31,000	19.8	44	3.4	0.90	0.218 J	1.21	2.18	163	207	10.7	3.9	9.8	18.4
Carbon Tetrachloride	156	667	2,000	< 0.307	0.38 J	0.76 J	4.2	< 0.307	0.50 J	< 0.307	< 0.307	0.94 J	< 0.307	< 0.307	0.88 J	7.8
Chlorobenzene	173	733	2,200	< 0.251	1.39	< 0.251	< 0.251	< 0.251	< 0.251	< 0.251	2.36	0.46 J	16.5	< 0.251	0.32 J	1.15
Chloroethane	33,333	146,667	440,000	< 0.159	< 0.159	0.84	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.37 J
Chloroform	3,100	13,000	39,000	9	14.8	0.44 J	< 0.3	< 0.3	1.12	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.34 J
Chloromethane	3,100	13,000	39,000	< 0.831	< 0.831	4.7	0.89 J	< 0.831	< 0.831	< 0.831	2.62 J	< 0.831	< 0.831	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	---	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	0.32 J	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.197	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234
Cyclohexane	3,333	14,667	44,000	0.38 J	13.9	1.17	3.8	1.45	1.03	3.3	3.9	25.2	34	9.4	17.1	25
Dibromochloromethane	---	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	3,300	14,667	44,000	2.57	2.67	2.37	2.77	1.04	2.22	1.53	2.37	1.88	1.83	1.93	1.78	1.83
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342
Ethanol	---	---	---	67	46	83 10	6.2	43	19.5	29.7	10	8.5	15.3	5.8	23.2	38
Ethyl Acetate	---	---	---	< 0.176	< 0.176	< 0.176	0.94	4.6	0.83	< 0.176	0.79	< 0.176	< 0.176	< 0.176	< 0.176	< 0.176
Ethylbenzene	370	1,600	4,900	0.39 J	7.8	1.17	2.64	0.87	2.08	3.9	10.4	8.3	25.2	24.1	37	23.9
Heptane	---	---	---	0.65 J	43	4.5	12.3	5.7	2.04	11.8	9.1	27.3	115	39	64	71
Hexachlorobutadiene	4.3	19	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489
Hexane	1,400	6,000	18,000	1.2	46	3.9	20.7	6.3	6.2	5.4	10.9	34	140	38	62	78
Isopropyl Alcohol	---	---	---	15	29.1	12.6	1.89	8.7	< 0.109	3.6	18.1	4.1	22.6	10.2	49	97
m&p-Xylene	3,300	15,000	44,000	1 J	41	1.95	12.7	1.91	11.8	13.9	57	9.5	38	18.5	35	36
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	8.6	24.2	17.4	19.3	6.7	7.6	6.2	50	12.5	77	20.9	129	291
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	1.96	2.54	3.07	1.47	0.53 J	0.78	1.06	4.6	1.64	4.7	5.2	34	26.9
Methyl Methacrylate	---	---	---	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217	0.37 J	< 0.217	0.9	< 0.217	< 0.217	< 0.217	< 0.217	< 0.217

TABLE 6
SUB-SLAB VAPOR ANALYTICAL RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL AF = 0.03 RESIDENTIAL	SUB-SLAB VAPOR VRSL AF=0.03 SMALL COMMERCIAL	SUB-SLAB VAPOR VRSL AF = 0.01 LARGE COMMERCIAL / INDUSTRIAL	WB-SS-11 PRE-DEVELOPMENT 3/2/2021 ug/m^3	WB-SS-11 PRE-DEVELOPMENT 8/19/2021 ug/m^3	WB-SS-12 PRE-DEVELOPMENT 3/2/2021 ug/m^3	WB-SS-12 PRE-DEVELOPMENT 8/19/2021 ug/m^3	WB-SS-13 PRE-DEVELOPMENT 3/2/2021 ug/m^3	WB-SS-13 PRE-DEVELOPMENT 8/19/2021 ug/m^3	WB-SS-14 PRE-DEVELOPMENT 3/2/2021 ug/m^3	WB-SS-14 PRE-DEVELOPMENT 8/19/2021 ug/m^3	WB-SS-15 PRE-DEVELOPMENT 4/1/2021 ug/m^3	WB-SS-16 PRE-DEVELOPMENT 4/1/2021 ug/m^3	WB-SS-17 PRE-DEVELOPMENT 4/1/2021 ug/m^3	WB-SS-18 PRE-DEVELOPMENT 4/1/2021 ug/m^3	WB-SS-19 PRE-DEVELOPMENT 4/1/2021 ug/m^3
Methyl tert-butyl ether (MTBE)	3,700	16,000	47,000	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	0.54	< 0.16	0.4 J	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16
Methylene chloride	21,000	87,000	260,000	< 0.159	< 15	< 0.159	< 15	< 0.159	< 15	< 0.159	< 15	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159
Naphthalene	28	6,000	360	< 0.675	1.88 J	< 0.675	1.05 J	< 0.675	1.1 J	< 0.675	1.94 J	< 0.675	< 0.675	< 0.675	< 0.675	< 0.675
o-Xylene	3,300	15,000	44,000	1	22.5	0.87	5.0	1.3	4.5	7.7	31.2	4	17.2	8.1	14.8	15.9
Propene	---	---	---	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079	60	< 0.079	< 0.079	< 0.079	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	< 0.181	0.98	< 0.181	0.47 J	< 0.181	0.64	0.213 J	1.53	0.38 J	0.34 J	0.255 J	0.85	2.93
Tetrachloroethene (PCE)	1,400	6,000	18,000	15.5	73	3.5	3.6	1.09	3.3	4.6	58	2.85	62	4.4	126	15,400
Tetrahydrofuran	7,000	29,333	88,000	< 0.131	4.9	12.1	0.53	2.86	0.94	5.1	5.7	2.18	3.8	2.53	4.7	3.9
Toluene	170,000	730,000	2,200,000	6.1	13.1	12.9	13	9.1	17.5	12	24.5	31.5	93	72	111	201
trans-1,2-Dichloroethene	---	---	---	< 0.231	0.238 J	< 0.231	0.238 J	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231
trans-1,3-Dichloropropene	---	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	70	290	880	26.9	207	2.2	10	2.62	11	< 0.237	59	2.14	1.18	< 0.237	3.11	23.7
Trichlorofluoromethane	---	---	---	2.47	21.8	27.8	63	11.2	41	18.2	57	1.24	1.52	1.57	2.25	3.4
Trichlorotrifluoroethane	---	---	---	0.46 J	0.92 J	< 0.402	1.07 J	< 0.402	1.0 J	< 0.402	0.92 J	0.61 J	5.1	0.84 J	0.77 J	2.15
Vinyl acetate	700	2933	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.2	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203
Vinyl Chloride	57	930	2,800	< 0.148	0.179 J	0.64	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	0.56

Comments

All results in micrograms per cubic meter (ug/m^3)
"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation
"10" Code = Linear Range of Calibration Curve Exceeded
VRSL = Vapor Risk Screening Levels
Indicates detection is above Residential VRSLs
Indicates detection is above Small Commercial VRSLs
Indicates detection is above Large Commercial / Industrial VRSLs

TABLE 6
SUB-SLAB VAPOR ANALYTICAL RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

	SUB-SLAB VAPOR VRSL			WB-SS-20	WB-SS-21	WB-SS-22	WB-SS-22	WB-SS-23	WB-SS-23	WB-SS-24	WB-SS-24	WB-SS-25	WB-SS-25
	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
			LARGE	4/1/2021	4/1/2021	4/1/2021	8/19/2021	4/1/2021	8/19/2021	4/1/2021	8/19/2021	4/1/2021	8/19/2021
CHEMICAL (ug/m^3)	RESIDENTIAL	SMALL COMMERCIAL	COMMERCIAL / INDUSTRIAL	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
1,1,1-Trichloroethane	170,000	730,000	2,200,000	154	36	650	1,340	22.4	52	2.88	26	1110	690
1,1,2,2-Tetrachloroethane	1.6	7	21	< 0.325	< 0.325	< 0.325	< 0	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325	< 0.325
1,1,2-Trichloroethane	0.7	2.9	8.8	< 0.258	< 0.258	< 0.258	< 0	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258	< 0.258
1,1-Dichloroethane	600	2,600	7,700	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187	< 0.187
1,1-Dichloroethene	7,000	29,000	88,000	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	0.238 J	< 0.21
1,2,4-Trichlorobenzene	700	2933	8,800	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657	< 0.657
1,2,4-Trimethylbenzene	2,100	8,700	26,000	9.2	3.8	3.7	9.1	5.2	13	3.2	16.6	3.8	7.6
1,2-Dichlorobenzene	700	2933	8,800	< 0.235	< 0.235	< 0.235	9.0	< 0.235	3.9	< 0.235	5.8	< 0.235	8.1
1,2-Dichloroethane	36	160	470	< 0.24	< 0.24	< 0.24	< 0.2	< 0.24	< 0.2	< 0.24	< 0.24	< 0.24	< 0.24
1,2-Dichloropropane	14	60	180	< 0.28	< 0.28	< 0.28	< 0.3	< 0.28	< 0.3	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichlorotetrafluoroethane	---	---	---	< 0.446	< 0.446	< 0.446	< 0.4	< 0.446	< 0.4	< 0.446	< 0.446	< 0.446	< 0.446
1,3,5-Trimethylbenzene	2,100	8,700	26,000	3.2	1.47	1.37	2.8	2.16	4.0	1.32	5.7	1.23	2.06
1,3-Butadiene	---	---	---	4.4	7.5	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	< 0.143	2.48	< 0.143
1,3-Dichlorobenzene	---	---	---	< 0.302	< 0.302	< 0.302	0.36 J	< 0.302	< 0.302	< 0.302	0.48 J	< 0.302	0.48 J
1,4-Dichlorobenzene	8	37	110	< 0.302	< 0.302	< 0.302	1.98	< 0.302	1.38	< 0.302	1.5	< 0.302	1.98
1,4-Dioxane	18	83.3	250	< 0.157	< 0.157	13.8	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157	< 0.157
2-Hexanone	---	---	---	< 0.222	15.8	3.8	< 0.222	3.3	< 0.222	3.07	4.7	55	< 0.222
4-Ethyltoluene	---	---	---	2.6	1.23	1.03	2.11	1.42	3.9	0.74	2.7	0.93	1.62
Acetone	106,667	466,667	1,400,000	60	211 10	< 0.299	630	20.2	42	81	47	900	64
Acrolein	---	---	---	1.51	0.73	< 0.094	---	0.46	---	0.44	---	0.71	---
Benzene	120	530	1,600	27	13.9	4.1	10.4	9	3.9	2.68	2.65	5.2	3.3
Benzyl Chloride	1.9	8	25	< 0.209	< 0.209	< 0.209	< 0.209	< 0.209	42	< 0.209	< 0.209	< 0.209	< 0.209
Bromodichloromethane	2.53	11	33	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374	< 0.374
Bromoform	86.6	367	1,100	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414	< 0.414
Bromomethane	17.3	73	220	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Carbon Disulfide	2,433	10,333	31,000	12.8	8.4	26	14.6	55	41	272	25.2	39	15.3
Carbon Tetrachloride	156	667	2,000	0.94 J	< 0.307	< 0.307	0.44 J	< 0.307	0.57 J	< 0.307	< 0.307	< 0.307	0.63 J
Chlorobenzene	173	733	2,200	0.32 J	< 0.251	< 0.251	9.4	< 0.251	3.2	< 0.251	1.62	< 0.251	3.6
Chloroethane	33,333	146,667	440,000	< 0.159	< 0.159	< 0.159	< 0.159	< 0.159	0.71	< 0.159	< 0.159	< 0.159	< 0.159
Chloroform	3,100	13,000	39,000	< 0.3	0.54 J	< 0.3	1.26	< 0.3	0.68 J	< 0.3	5.2	< 0.3	0.73 J
Chloromethane	3,100	13,000	39,000	< 0.831	< 0.831	1.03 J	< 0.831	< 0.831	2.15 J	< 0.831	< 0.831	< 0.831	< 0.831
cis-1,2-Dichloroethene	---	---	---	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197	< 0.197
cis-1,3-Dichloropropene	---	---	---	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234	< 0.234
Cyclohexane	3,333	14,667	44,000	27.1	14.7	9.9	12.8	31	6.2	4.8	2.27	19.7	6.6
Dibromochloromethane	---	---	---	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376	< 0.376
Dichlorodifluoromethane	3,300	14,667	44,000	1.88	1.93	2.03	2.22	1.93	12.5	1.93	2.37	1.93	2.27
EDB (1,2-Dibromoethane)	0.157	0.67	2	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342	< 0.342
Ethanol	---	---	---	6.4	20.8	21.7	152	1.09	23	4.1	8.7	53	21.5
Ethyl Acetate	---	---	---	< 0.176	< 0.176	< 0.176	1.55	< 0.176	30.9	1.62	0.61	< 0.176	0.86
Ethylbenzene	370	1,600	4,900	29	10	4.6	31.6	128	18.6	2.77	9.6	5.5	15.4
Heptane	---	---	---	75	43	19.6	35	87	22.9	8.9	6.7	30.3	12
Hexachlorobutadiene	4.3	19	56	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489	< 0.489
Hexane	1,400	6,000	18,000	80	52	37	32	99	35	15.2	8.9	42	14.3
Isopropyl Alcohol	---	---	---	8.5	30.3	43	91	1.6	30.8	< 0.109	7.1	79	14.2
m&p-Xylene	3,300	15,000	44,000	34	15.7	6.2	170	350	83	4.3	53	10.7	83
Methyl ethyl ketone (MEK)	17,333	73,333	220,000	31	103	8100	550	23.7	24	38	35	252	21.7
Methyl isobutyl ketone (MIBK)	10,333	43,333	130,000	3.07	11.3	4.6	7.2	25.5	2.58	2.91	4.2	63	2.29
Methyl Methacrylate	---	---	---	< 0.217	< 0.217	< 0.217	1.64	< 0.217	0.82	< 0.217	0.61 J	< 0.217	0.78

KSingh Engineers Scientists Consultants

TABLE 6
SUB-SLAB VAPOR ANALYTICAL RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40443

CHEMICAL (ug/m^3)	SUB-SLAB VAPOR VRSL			WB-SS-20	WB-SS-21	WB-SS-22	WB-SS-22	WB-SS-23	WB-SS-23	WB-SS-24	WB-SS-24	WB-SS-25	WB-SS-25
	AF = 0.03	AF=0.03	AF = 0.01	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT	PRE-DEVELOPMENT
	RESIDENTIAL	SMALL COMMERCIAL	LARGE COMMERCIAL / INDUSTRIAL	4/1/2021	4/1/2021	4/1/2021	8/19/2021	4/1/2021	8/19/2021	4/1/2021	8/19/2021	4/1/2021	8/19/2021
				ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3	ug/m^3
Methyl tert-butyl ether (MTBE)	3,700	16,000	47,000	< 0.16	< 0.16	1.04	6.4	< 0.16	0.47 J	< 0.16	0.36 J	< 0.16	0.54
Methylene chloride	21,000	87,000	260,000	< 0.159	< 0.159	< 0.159	< 15	< 0.159	53	< 0.159	< 15	< 0.159	< 15
Naphthalene	28	6,000	360	< 0.675	< 0.675	< 0.675	1.83 J	< 0.675	1.52 J	< 0.675	2.04 J	< 0.675	2.09 J
o-Xylene	3,300	15,000	44,000	14.6	6.1	2.82	80	35	40	2.3	27.8	3.8	44
Propene	---	---	---	< 0.079	< 0.079	770	< 0.079	< 0.079	< 0.079	57	< 0.079	< 0.079	< 0.079
Styrene	3,333	14,667	44,000	0.89	0.6	0.298 J	3.9	0.34 J	2.17	0.51 J	1.15	0.34 J	1.96
Tetrachloroethene (PCE)	1,400	6,000	18,000	11.1	0.75 J	5.3	87	14.1	174	20.4	27	161	162
Tetrahydrofuran	7,000	29,333	88,000	4.6	3.6	14.3	11.6	5.7	5.5	6	4.3	8	6.4
Toluene	170,000	730,000	2,200,000	87	41	14.4	71	73	45	6	19.1	14.4	24.9
trans-1,2-Dichloroethene	---	---	---	< 0.231	< 0.231	< 0.231	< 0.231	< 0.231	0.44 J	< 0.231	< 0.231	< 0.231	< 0.231
trans-1,3-Dichloropropene	---	---	---	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198	< 0.198
Trichloroethene (TCE)	70	290	880	3.05	1.23	8	*128*	13	*275*	0.37 J	27	3.5	460
Trichlorofluoromethane	---	---	---	2.7	1.91	4.7	5.0	21.4	25.2	14.8	82	18.3	46
Trichlorotrifluoroethane	---	---	---	5.1	0.69 J	0.61 J	0.77 J	0.61 J	0.77 J	0.61 J	0.92 J	0.54 J	0.84 J
Vinyl acetate	700	2933	8,800	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203	< 0.203
Vinyl Chloride	57	930	2,800	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148	< 0.148

Comments

All results in micrograms per cubic meter (ug/m^3)
"J" Flag = Analyte detected between Limit of Detection and Limit of Quantitation
"10" Code = Linear Range of Calibration Curve Exceeded
VRSL = Vapor Risk Screening Levels
Indicates detection is above Residential VRSLs
Indicates detection is above Small Commercial VRSLs
Indicates detection is above Large Commercial / Industrial VRSLs

TABLE 7
UTILITY CONDUIT ANALYTICAL RESULTS
COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

Parameter	Method	Residential Indoor Air VAL*	BLDG 7 CLEANOUT		BLDG 4 CLEANOUT		33RD STREET MANHOLE		CWC WEST BLOCK TUNNEL	
		---	8/31/2021		8/31/2021		8/31/2021		9/1/2021	
		ug/m3	ug/m3	Flags	ug/m3	Flags	ug/m3	Flags	ug/m3	Flags
1,1,1-Trichloroethane	TO-15	5,200	39	1	24.4	1	1.36	1	<0.249	1
1,1,2,2-Tetrachloroethane	TO-15	---	<0.325	1	<0.325	1	<0.325	1	<0.325	1
1,1,2-Trichloroethane	TO-15	---	<0.258	1	<0.258	1	<0.258	1	<0.258	1
1,1-Dichloroethane	TO-15	18	<0.187	1	<0.187	1	<0.187	1	<0.187	1
1,1-Dichloroethene	TO-15	210	<0.21	1	<0.21	1	<0.21	1	<0.21	1
1,2,4-Trichlorobenzene	TO-15	---	<0.657	1	<0.657	1	<0.657	1	<0.657	1
1,2,4-Trimethylbenzene	TO-15	63	5.3	1	5.8	1	5.2	1	0.74	J 1
1,2-Dichlorobenzene	TO-15	---	0.47	J 1	0.41	J 1	<0.235	1	<0.235	1
1,2-Dichloroethane	TO-15	1.1	<0.24	1	<0.24	1	<0.24	1	<0.24	1
1,2-Dichloropropane	TO-15	---	<0.28	1	<0.28	1	<0.28	1	<0.28	1
1,2-Dichlorotetrafluoroethane	TO-15	---	1.54	1	<0.446	1	<0.446	1	<0.446	1
1,3,5-Trimethylbenzene	TO-15	63	1.37	1	1.67	1	1.08	1	<0.232	1
1,3-Butadiene	TO-15	---	<0.143	1	<0.143	1	<0.143	1	<0.143	1
1,3-Dichlorobenzene	TO-15	---	<0.302	1	<0.302	1	<0.302	1	<0.302	1
1,4-Dichlorobenzene	TO-15	---	1.86	1	1.62	1	1.68	1	0.54	J 1
1,4-Dioxane	TO-15	---	<0.157	1	<0.157	1	<0.157	1	<0.157	1
2-Hexanone	TO-15	---	2.09	1	0.74	1	<0.222	1	<0.222	1
4-Ethyltoluene	TO-15	---	1.23	1	1.18	1	0.78	1	<0.214	1
Acetone	TO-15	---	24.5	1	6.5	1	16	1	8.3	1
Benzene	TO-15	3.6	1.15	1	0.83	1	1.92	1	0.89	1
Benzyl Chloride	TO-15	---	<0.209	1	<0.209	1	<0.209	1	<0.209	1
Bromodichloromethane	TO-15	---	<0.374	1	<0.374	1	<0.374	1	<0.374	1
Bromoform	TO-15	---	<0.414	1	<0.414	1	<0.414	1	<0.414	1
Bromomethane	TO-15	---	<0.2	1	<0.2	1	<0.2	1	<0.2	1
Carbon Disulfide	TO-15	---	5.3	1	0.87	1	1.4	1	0.47	1
Carbon Tetrachloride	TO-15	4.7	0.63	J 1	0.5	J 1	0.57	J 1	0.44	J 1
Chlorobenzene	TO-15	---	0.277	J 1	<0.251	1	<0.251	1	<0.251	1
Chloroethane	TO-15	---	<0.159	1	<0.159	1	0.45	J 1	<0.159	1
Chloroform	TO-15	1.2	0.44	J 1	<0.3	1	21.1	1	<0.3	1
Chloromethane	TO-15	94	1.59	J 1	2.31	J 1	1.65	J 1	2.11	J 1
cis-1,2-Dichloroethene	TO-15	---	<0.197	1	<0.197	1	<0.197	1	<0.197	1
cis-1,3-Dichloropropene	TO-15	---	<0.234	1	<0.234	1	<0.234	1	<0.234	1
Cyclohexane	TO-15	---	0.83	1	<0.212	1	<0.212	1	<0.212	1
Dibromochloromethane	TO-15	---	<0.376	1	<0.376	1	<0.376	1	<0.376	1
Dichlorodifluoromethane	TO-15	100	2.67	1	2.57	1	2.92	1	2.37	1
EDB (1,2-Dibromoethane)	TO-15	---	<0.342	1	<0.342	1	<0.342	1	<0.342	1
Ethanol	TO-15	---	9	1	3.7	1	21.2	1	20.3	1
Ethyl Acetate	TO-15	---	<0.176	1	<0.176	1	1.44	1	1.19	1
Ethylbenzene	TO-15	11	5.2	1	3.6	1	2.08	1	1.13	1
Heptane	TO-15	---	1.88	1	0.65	J 1	0.82	J 1	0.286	J 1
Hexachlorobutadiene	TO-15	---	<0.489	1	<0.489	1	<0.489	1	<0.489	1
Hexane	TO-15	---	5.9	1	1.41	1	1.48	1	2.36	1
Isopropyl Alcohol	TO-15	---	5.1	1	1.5	1	2.09	1	2.65	1
m&p-Xylene	TO-15	100	18.1	1	14.6	1	11.2	1	2.12	1
Methyl ethyl ketone (MEK)	TO-15	---	7	1	2.48	1	4.6	1	3.2	1
Methyl isobutyl ketone (MIBK)	TO-15	---	4.1	1	1.47	1	0.74	1	0.41	J 1
Methyl Methacrylate	TO-15	---	2.05	1	1.56	1	<0.217	1	<0.217	1
Methyl tert-butyl ether (MTBE)	TO-15	110	<0.16	1	<0.16	1	<0.16	1	<0.16	1
Methylene chloride	TO-15	630	<0.159	1	<0.159	1	<0.159	1	15.1	1
Naphthalene	TO-15	0.83	**1.36**	J 1	**1.31**	J 1	**1.31**	J 1	**1.05**	J 1
o-Xylene	TO-15	100	11.7	1	10.2	1	4.6	1	1	1
Propene	TO-15	---	12.9	1	1.34	1	2.19	1	1.38	1
Styrene	TO-15	---	2.98	1	3.3	1	1.15	1	<0.181	1
Tetrachloroethene	TO-15	42	8.5	1	3.05	1	0.54	J 1	3.5	1
Tetrahydrofuran	TO-15	---	2.39	1	<0.131	1	<0.131	1	0.83	1
Toluene	TO-15	5,200	31.6	1	21.2	1	35	1	2.82	1
trans-1,2-Dichloroethene	TO-15	42	<0.231	1	<0.231	1	<0.231	1	<0.231	1
trans-1,3-Dichloropropene	TO-15	---	<0.198	1	<0.198	1	<0.198	1	<0.198	1
Trichloroethene (TCE)	TO-15	2.1	0.75	J 1	0.48	J 1	<0.237	1	<0.237	1
Trichlorofluoromethane	TO-15	---	1.12	1	2.92	1	1.74	1	1.46	1
Trichlorotrifluoroethane	TO-15	---	0.54	J 1	0.54	J 1	0.61	J 1	0.61	J 1
Vinyl acetate	TO-15	---	<0.203	1	<0.203	1	<0.203	1	<0.203	1
Vinyl Chloride	TO-15	1.7	<0.148	1	<0.148	1	<0.148	1	<0.148	1

VALs based on WDNR September 2021 Quick Look Up Table
Flags:
J = Analyte detected between Limit of Detection and Limit of Quantification.
1 = Laboratory QC within limits.

APPENDICES

Appendix A

Deeds

DOC # 10983099

RECORDED
06/01/2020 10:43 AM

ISRAEL RAMON
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: 30.00
TRANSFER FEE: 7,500.00
FEE EXEMPT #:
This document has been electronically recorded and returned to the submitter.

TRUSTEE'S DEED

DOCUMENT NUMBER

RETURN ADDRESS: ROERS INVESTMENTS LLC
110 CHESHIRE LANE, SUITE 120
MINNETONKA, MN 55305

PARCEL IDENTIFICATION NO.: 309-1208-000; 309-0503-000; 309-1206-000; 309-1205-000; and 309-0502-000

RESERVED FOR RECORDING DATA

WISCONSIN INDUSTRIES PENSION PLAN AND TRUST, n/k/a, JONAS BUILDERS INC., RESTATED MONEY PURCHASE PENSION PLAN, hereby conveys to COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP, a Delaware Limited Partnership, the following described real estate in Milwaukee County, State of Wisconsin:

SEE ATTACHED LEGAL DESCRIPTION

Together with all and singular hereditaments and appurtenances belonging thereto. Grantor hereby warrants that the title is good, indefeasible in fee simple, and free and clear of encumbrances, for only that interest which originates by, through, or under Grantor, but not otherwise, except: municipal and zoning ordinances and agreements, recorded easements, recorded building and use restrictions and covenants, and general taxes levied in the year hereof. In addition, Grantor does not warrant any exclusions or exceptions set forth in First American Title Insurance Company's title commitment number MA-305725.

Dated this 22nd day of May, 2020.

WISCONSIN INDUSTRIES PENSION PLAN AND TRUST, n/k/a, JONAS BUILDERS INC., RESTATED MONEY PURCHASE PENSION PLAN

Gerald R Jonas
GERALD R. JONAS, Trustee

STATE OF Wisconsin)
) SS
Waukesha COUNTY)

Personally came before me this 22nd day of May, 2020, the above named GERALD R. JONAS, to me known to be the person who executed the foregoing instrument and acknowledged the same.

Beth A. Schroeder
Notary Public Beth A. Schroeder
My Commission Expires: 7-27-2022
Drafted By: Attorney Allen M. Salomon

BETH A. SCHROEDER NOTARY PUBLIC STATE OF WISCONSIN

LEGAL DESCRIPTION

PARCEL 1

Lots 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, and 24, Block No. 1, Cawker's Subdivision "C" of a part of the Northeast 1/4 of Section 13, Township 7 North, Range 21 East, also a part of Lots 3 to 9, inclusive, of the Subdivision of 18.855 Acres in the Northeast 1/4 of Section 13, Township 7 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin.

Also that part of Lots 8 and 9, in Subdivision of 18.855 Acres in the Northeast 1/4 of Section 13, Township 7 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin, which is bounded and described as follows: Commencing at a point in the South line of said Lot 9 where the center line of West Center Street intersects the center line of North 32nd Street; running thence North along the said center line of North 32nd Street 153 feet to a point; thence West on a line parallel with the center line of West Center Street 80 feet to a point; thence South on a line parallel with the center line of North 32nd Street 153 feet to a point in the center line of West Center Street and thence East on said center line of West Center Street 80 feet to the point of commencement, except the East 30 feet and South 33 feet thereof.

Tax ID No. 309-1208-000
Address: 3212 West Center Street, Milwaukee

PARCEL 2

Lots 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, and 37, in Block 1, in Cawker's Subdivision "C" of a part of the Northeast 1/4 of Section 13, Township 7 North, Range 21 East, also a part of Lots 3 to 9, inclusive, of the Subdivision of 18.855 Acres in the Northeast 1/4 of Section 13, in Township 7 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin.

Tax ID No. 309-0503-000
Address: 2758 North 33rd Street, Milwaukee

PARCEL 3

All that part of Lots 4, 5, 6, 7, 8 and 9 of Subdivision of 18.855 Acres in the Northeast 1/4 of Section 13, Township 7 North of Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin, which is bounded on the South by the North line of West Center Street, formerly Center Street, on the East by the Right-of-Way of the Chicago, Milwaukee, St. Paul and Pacific Railway Company, on the West by North 32nd Street, formerly 32nd Street, and on the North by a line drawn parallel with and 600 feet North of the North line of West Center Street, formerly Center Street -- Being the same land and property conveyed to the Westinghouse Lamp Co. in Deed dated March 21, 1917, and recorded March 21, 1917, as Document No. 900796.

Tax ID No. 309-1206-000
Address: 2748 North 32nd Street, Milwaukee

PARCEL 4

That part of Lots 1, 2 and 4 in Subdivision of 18.855 Acres in the Northeast 1/4 of Section 13, in Township 7 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin, bounded on the West by the East line of North 32nd Street; on the East by the Westerly line of the Chicago, Milwaukee, St. Paul & Pacific Railroad Co. right-of-way; on the North by a line 510 feet South of and parallel to the South line of West Locust Street; and on the South by a line 600 feet North of and parallel to the North line of West Center Street.

Tax ID No. 309-1205-000
Address: 2784 North 32nd Street, Milwaukee

PARCEL 5

The South 23 feet of Lot 8, and all of Lots 9, 10, 11, 12 and 13, in Block 1, in Cawker's Subdivision "C" of a part of the Northeast 1/4 of Section 13, in Township 7 North, Range 21 East, also a part of Lots 3 to 9, inclusive, of the Subdivision of 18.855 Acres in the Northeast 1/4 of Section 13, in Township 7 North, Range 21 East, in the City of Milwaukee, Milwaukee County, Wisconsin.

Tax ID No. 309-0502-000
Address: 2727-2747 North 32nd Street, Milwaukee

Appendix B

Historic Preservation Certification Application

Briggs and Stratton Industrial Campus
HISTORIC PRESERVATION CERTIFICATION APPLICATION
PART 1 – EVALUATION OF SIGNIFICANCE

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 W. Center St., 2748 N. 32nd St., 2727 N. 32nd St. Milwaukee, WI 53210**

Description of Physical Appearance:
Setting*:*
The Briggs and Stratton Corporation West Plant is located in the Sherman Park neighborhood in northwest Milwaukee (Figure 1). Elevated railroad tracks form the eastern boundary of the neighborhood and run along the east edge of the plant. Most of the properties to the north, south, and east of the West Plant are active industrial sites while the neighborhood immediately east of the plant is primarily residential composed of ca. 1920 single-family houses. Because of the active manufacturing activities which surround the plant, the vicinity retains an industrial feeling. Deteriorated concrete sidewalks run along both sides of Center, 32nd, 33rd and Hadley Streets, and in places where the buildings to not abut these walks directly, chained-link fence encloses the property. Most of the lots have been fully developed, although many of the buildings contain small courtyards to allow light into the early twentieth century buildings. The plant also contains two larger open spaces: 2727 N 32nd Street which remains open and was historically used as a parking lot, and a current parking lot which sits at the north end of the 2748 N 32nd Street property.

Site*:*
The plant contains approximately 8.18 acres spread over two city blocks in the northern two quadrants of the intersection of Center and 32nd Streets (Figure 2). The plant is bounded by Center Street to the south, the railroad to the east, 33rd Street to the west, and partially by Hadley Street and partially by neighboring industrial sites to the north.

Plant*:*
The plant is composed of five parcels, four of which contain buildings and one which has always remained open (Figure 3). For the purposes of this nomination and ease of understanding, this section will first provide individual descriptions of each of the properties which compose the plant, and will then assess the appearance and integrity of the plant as a whole.

2748 N 32nd Street (Parcel #309-0501):
The 2748 N 32nd Street parcel contains one building with eight additions and one structure all constructed between 1906 and ca. 1960 (Figure 4). Buildings 1A-1D, Boiler House 1 and Stack 1 represent the original 1906 construction period, and originally these structures formed a central open courtyard laid out with walking paths and green space for employee use (the courtyard was enclosed in 1950). Building 1B and additions 4A and 4B form a second courtyard which was utilized as the main truck loading and shipping area between ca. 1920 and ca. 1945. After World War II the area north of addition 4A was paved and utilized as the primary loading and shipping area.

Building 1A, Administrative Building (1906):
Building 1A was built as the administration building for the original factory in 1906 (Photograph 1). It is a three-story red brick building with limestone detailing. The façade (south elevation) of the building features three projections: the two end bays and a two-story central entrance vestibule. The first story of the building is marked by cream-colored brick at the corners and a limestone water table. A second band of limestone visually separates the first story from the second and serves as the sill for the second story windows. The third story contains limestone sills and a limestone band which runs just below the window arches. The cornice is marked by brick dentils, and the two end projections are topped with limestone detailing. The first story retains its historic three-pane, wood-framed windows, but all of the openings in the second and third stories have either been entirely filled or partially-filled and refit with smaller windows. The historic front door has been replaced and its transom filled. The east and west (side) elevations each continue the limestone details from the front elevation (Photograph 9). The east elevation contains three original windows in the ground story, five modified windows in the second story, and three modified windows in the third story. The west elevation contains four original windows in the ground story, but the four windows in both the second and third stories have been either filled or partially-filled and refit with smaller windows.

The interior of Building 1A has been largely renovated for use as modern office space. The building's historic features include the front lobby which retains its two-story plasters framing the front door and early twentieth century pendant lamp (Photograph 10). The staircase retains its historic steel posts and railings, although the treads have been either covered or replaced. The basement has what appears to be a modern poured concrete floor; brick columns support the floors above. The first floor contains modern tiled floors and late-twentieth century drop ceilings. Many of the interior stud walls are in a state of demolition (Photograph 11). The second floor also has tiled floors and drop ceilings, although on this floor

the drop ceiling does not hide the arched window frames (Photograph 12). Most of the historic doors have been removed, except for a pair of wood five-paneled doors on the second floor which lead from Building 1A to the factory space in Building 1B.

Building 1B, Factory (1906):
Building 1B was built as the original 1906 factory (Photograph 2). It is a three-story, roughly U-shaped cream-colored brick building with more-or-less uniform detailing. The cornice is marked by brick dentils. At the west elevation, the architect divided the façade into six segments and slightly projected alternating segments to add visual interest (Photographs 7 and 8). The cornice, too, changes with the alternating sections. Throughout, the building contains eight-over-eight wood sash windows in the first story, and twelve-over-twelve wood sash windows in both the second and third stories. All of these windows contain limestone sill and brick segment arches. Most of the first-story windows have been boarded over to deter vandalism, but it appears that most of these openings retain the original windows. A small number of windows at the northwest corner of the building have been replaced with glass block. Three openings have been cut into the south elevation just west of where Building 1B connects to Building 1A, and portions of the building have been obscured by later additions.

The basement of Building 1B is largely open space with poured concrete floors, reinforced concrete posts, and exposed brick walls (Photograph 13). Brick walls with arched openings and sliding metal fire doors divide the building into six sections. This level retains many of its exterior wood sash windows, although some of the windows which historically opened into the courtyard were removed when the 1950 addition was built (addition 4) (Photograph 14). Most of the first floor is open factory space. Wood and iron posts support an iron structural system which holds wooden rafters. Brick walls with metal sliding fire doors separate the different sections of the factory. A few rooms (a medical room, locker rooms, restrooms, etc.) have been carved out of the factory space and enclosed with stud walls (Photographs 15, 17 and 18). The northwestern corner of the first floor has been enclosed for use as an office space and contains carpeted floors, mid-century wood wall paneling and mid-century drop ceiling, but most of the first floor retains its historic factory appearance (Photograph 19). The second floor is very similar to the first, except where the first floor's skeletal structure was largely reinforced with iron beams, the second floor structure is almost completely wooden (Photographs 22 and 23). Like the first floor, brick walls with arched openings and sliding metal fire doors divide the separate sections of the factory, and a few smaller rooms have been created with wood stud walls, but the floor remains largely open factory space with exposed brick walls, wood floors and open rafter ceilings. The stairwells in Building 1B also retain most of their historic materials with open wood treads, simple carved newel posts, and industrial pipe handrails (Photograph 21).

Building 1C, Shipping Shed 1 (ca. 1906):
Building 1C is a one-story brick structure built onto the east elevation of the southeast wing of Building 1B, between that building and the railroad tracks (Photograph 2). It was built at the same grade as the elevated tracks, and therefore is aligned with the second story of Building 1B. The east elevation contains a central bay door which has been filled with concrete block. There are four windows openings on either side of this door similarly filled. The south elevation contains a twelve-pane awning window with a limestone sill and a brick segment-arch. The scale of the filled openings on the east elevation suggests that the historic windows were likely of the same type. The interior is open space with badly deteriorated wood floors (Photograph 24).

Building 1D, Shipping Shed (ca. 1906):
Building 1D is a one-story brick structure built onto the east elevation of the northeast wing of Building 1B between that building and the railroad tracks. The building's east elevation contains three loading bays, which have been filled. The building's interior is an open space with a poured concrete floor (Photograph 25).

Boiler House 1 (1906):
Boiler House 1 is a one-story brick structure built in 1906 to serve the adjacent factory. Most of the building's windows have been broken and subsequently boarded over, but from architectural evidence, it appears that the building historically contained two-over-two wood sash, wire-glass windows throughout. The south elevation contains one full-bay sliding fire door and evidence of two filled windows. The west elevation contains six and the north elevation contains two window openings, all of which have been boarded. The historic east elevation has been entirely obscured by a ca. 1920 coal house addition (Building 1, Addition 1).The building's interior is largely open, with exposed brick walls. An underground,

concrete-lined tunnel extends from the north end of the building to the basement of Building 1B, and was likely added ca. 1920 (Photograph 26). Portions of the historic cast-iron boiler system remain in place.
An approximately 140-foot-tall, brick smoke stack stands immediately west of boiler house 1.

Addition 1, Coal House (ca. 1920):
The coal house addition was built onto the east side of the boiler house and is a one-story shed-roof brick structure. The building's east elevation contains four equally-spaced loading bays, all of which appear to have historically contained overhead doors, and all of which have been completely filled with concrete block. The building's south elevation contains one boarded window The interior is a long open space with a poured concrete floor and exposed brick walls.

Addition 2A, Factory (ca. 1920):
Additions 2A and 2B were designed and built contemporaneously (Photograph 4). Addition 2A is a two-story reinforced-concrete building with a steel truss roof. A geometric pattern ornaments the cornice line at the east end of the building, but only continues partially at the north and south elevations. The building contains large, steel-framed factory windows in each elevation; the first story contains 65-pane windows (except at the west elevation where the windows have been covered with corrugated metal), and the second story contains 91-pane windows. Steel-framed windows appear at the basement level as well; the windows in the north and south elevations span the full bay while the east elevation contains three six-pane windows in each bay. The building has two brick-walled stairwell protrusions, one at the west end of the south elevation and a second at the east end of the north elevation. A bridge connects the upper story of Addition 4 to the upper story of Building 1B and contains three six-pane, steel-framed windows on each its east and west elevations (Photographs 6 and 31).

All three levels of the building's interiors are open factory space with poured concrete floors and exposed pipes. The basement level and first floor contain three rows of reinforced concrete columns (Photographs 27 through 29). The second floor is completely open, as the exposed steel truss roof structure doesn't require additional support (Photograph 30). Brick walls separate the factory space from the stair wells. The interior retains a number of its historic doors, including metal fire doors between the factory space and the stairwells and wood five-panel doors which lead to the washrooms. The stairwells contain reinforced concrete stairs with industrial pipe hand railings.

Addition 2B, Packing Plant (ca. 1920):
Addition 2B is nearly identical to Addition 2A. The east and west elevations (where visible) are similar in materials and appearance, and like that addition, Addition 2B contains 65-pane, steel-framed factory windows in the first story and 91-pane factory windows in the second story. The primary difference is that the north elevation is faced with brick. The east elevation contains a one-story, shed-roof wing which runs along the entire length of the building and which served as a loading dock for the adjacent rail line (Photograph 34). The west elevation also contains a one-story shed-roof loading dock which served the trucking system from the courtyard.

The interior of Addition 2B is also nearly identical to Addition 2A. At the basement level and on the first floor the space is open except for three rows of reinforced concrete columns (Photographs 32 and 33). The second floor is completely open except for a single row of concrete posts which run across the opening between the two additions (Photograph 35). Addition 2B retains most of its historic doors, many of which are metal fire doors.

Addition 3 (ca. 1930):
Addition 3 is a two-story, brick-faced, reinforced-concrete structure built onto the north elevation of the northeast stairwell of Addition 2A. The north elevation of this addition contains four bays. At the first story the openings are shielded by an open loading dock; the eastern-most bay of the addition contains a modern overhead garage door topped with a 12-light, steel-framed transom and the other three bays each contain 16-pane, steel-frame factory windows. The second story contains four 42-pane, steel-framed factory windows. The addition's east elevation contains two steel-framed factory windows in the second story, but the first story was obscured by Addition 5 (ca. 1950). The interior of Addition 3 is used as washroom space, with painted brick walls, exposed pipes, and poured-concrete floors (Photograph 36).

Addition 4, Heat Treating Plant (1950):

Addition 4 was built in 1950 at the basement level of the interior courtyard of Building 1B. The building is a steel structure with corrugated metal siding and roof. The most notable feature of the addition is the steel-truss roof structure which contains three raised clerestories composed of steel-factory windows which flood the interior space with light from above (Photograph 37). The roof slopes down at the north, west, and south ends so as not to block sunlight from the first story windows of Building 1B. The east end of the addition contains a first story bridge which spans the historic courtyard from the southeast to the northeast wing of Building 1B. The interior is mostly open space with a poured concrete floor and two rows of steel supports. The supports at the east end of the space which hold up the bridge are encased in concrete (Photograph 38). The brick walls of the 1906 building are left exposed, and many of the historic windows were removed.

Addition 5, Loading Dock (ca. 1950):
Addition 5 is a one-story, open loading dock built on to the north elevation of Addition 3 (Photograph 39). It is a shed-roof structure supported by reinforced concrete posts with a wood deck on a poured-concrete foundation. The open ceiling exposes the wood rafters, and the roof structure is enclosed with wood siding; a roof protrusion shields a hoisting pulley.

Addition 6, Transfer House (ca. 1950):
Addition 6 is a brick split-level transfer house built on a concrete foundation with steel beam roof (Photographs 3 and 4). The north elevation contains two small vents. The west elevation contains two bays: the north bay contains a six-pane, steel-framed awning window; and the southern bay contains a pair of metal doors. The southern half of the east elevation is obscured by Addition 3, while the northern half contains a single metal door.

Addition 7, "I" Factory (ca. 1950):
Addition 7 extends from the northern elevation of addition 4B to the southern elevation of the building on the neighboring property (2784 N 32nd Street) (Photograph 3). It is a masonry building, partially constructed of brick and partially constructed of concrete block, on a poured concrete foundation. The roof structure is steel and it contains three steel-framed, gabled skylights. The west elevation contains 12 bays: the first through third and seventh through eleventh bays (from north) each contain nine-pane, steel-framed windows. The fourth and fifth bays are shielded by a standing-seam metal shed roof; the fourth bay contains a pair of four-light wood doors, and the fifth bay contains a wood paneled overhead door. The sixth bay contains a bay door opening with a steel lift-gate. The twelfth bay is located under the roof of the loading dock (Addition 5) and contains a four-light, wood paneled overhead door. The east elevation contains nine bays, each of which contains a 15-pane, steel-framed casement window.
The interior of Addition 7 is mostly open space with two rows of concrete and steel posts and a plywood partition wall around the bay doors (Photographs 40 through 42). The space has poured concrete floors, exposed pipes, and hanging fluorescent lights. At the north end of the building is a raised concrete loading platform. There are two sets of stairs at the northeast corner of the room, one which leads up to the platform and a second which descends to the basement, which is also an open space with concrete floors and concrete pillars.

Addition 8, Guard House (ca. 1960):
Addition 8 is a one-story guard house building situated at the southwest corner of Addition 2A with brick walls and a shingled hip roof (Photograph 5). The north elevation contains a metal half-light door. The west and south elevations contain a large wrap-around plate-glass window; at the west elevation, the window has been boarded over.

3212 W Center Street (Parcel #309-1205)
The 3212 W Center Street parcel contains one building (constructed 1920) with one addition, built 1946 (Figure 5). When Briggs and Stratton Corporation purchased the property directly north of 3212 W Center Street, they cut a passage through the north wall of the 1946 addition to connect to the southern-most addition of Building 3 (2758 N 33rd Street).

Building 2 (1920):
Building 2 is a single-story red brick building on a concrete foundation located at 3212 W Center Street (Photograph 42). It contains a sawtooth-style roof with five rows of steel-framed, wire-glass skylights. The skylights only partially span the length of the building, so do not constitute a true sawtooth roof structure. The south façade contains 14 bays defined by brick piers which stand the full-height of the building and contain three limestone courses near the roofline. A limestone band runs along the entirety of the building and sits atop the window openings. A second band of limestone coping tops the parapet roof, and limestone was utilized for the window sills. The bays at either end of the façade feature a

pedimented roofline with parquet-pattern brickwork. The sixth and ninth bay (from west) feature arched parapet walls, with arched limestone details and parquet-pattern brick work. The ninth bay was the historic main entrance of the building, but this entrance has been completely filled with brick (Photograph 43). The first and fourteenth bays contain two five-pane, steel-framed industrial windows and are separated by a brick pier. The sixth bay contains three five-paneled, steel-framed industrial windows. The ninth bay contains two five-pane, steel-framed industrial windows which historically flanked the now-enclosed entrance. The other bays each contain a ribbon of three five-pane, steel-framed industrial windows. The seventh, eighth, ninth and tenth bays all contain basement lights, all of which have been boarded over.

The east (side) elevation contains six bays and continues the limestone pattern from the south façade (Photograph 45). The first bay (from south) is styled identically to the end bays of the south façade. The second, third, and sixth bays each contain a set of three 20-pane, steel-framed industrial windows separated by limestone piers. The fifth bay contains two windows of the same type. The fourth bay contains the entrance to the building, a recessed doorway with a metal half-light door. The door surround is surrounded by wood panels which may have historically contained sidelights and a transom, but if those elements existed historically, they have all since been boarded over. Above the recessed opening, in the fourth bay sits an eight-pane, steel framed window, and a second 20-pane, steel-framed window sits directly to the north.

The north (rear) elevation is constructed of cream colored brick and contains ten bays, seven to the east and three to the west of the 1946 addition (Photographs 46 and 47). The bays are visually separated by brick piers. Each bay historically contained three 20-pane, steel-framed industrial windows of the same type that appear on the east elevation. Most of these windows have been boarded from the interior. The fifth bay (from west) has been obscured by an added one-story secondary-entrance vestibule sheathed in corrugated metal. The door to this vestibule has been boarded over, but appears to have historically contained a transom (also boarded over). The sixth and seventh bays are not visible from the street because an electricity generating substation was built immediately adjacent the building, and all of the windows in these two bays have been filled with concrete block to accommodate the electrical system. The first bay west of the addition historically contained three windows, but the first two openings have been enlarged to fit a bay door opening which contains a pair of wood doors. A standard-sized door opening was cut into one of these doors and contains a modern metal door. The other two bays west of the addition each contain three 20-pane, steel-framed windows.
The west (side) elevation contains six bays and continues the limestone pattern from the south façade (Photographs 48 and 49). The first bay (from south) is styled identically to the end bays of the south façade. The other five bays each contain three 20-pane, steel-framed windows.

Building 2 contains a partial basement with poured concrete walls, poured concrete floors, and reinforced concrete pillars (Photograph 50). The first floor of the building is mostly open space, except for a small cluster of rooms at the center of the south wall (where the historic main entrance stood), an entrance vestibule at the eastern entrance, and a concrete block room at the northwestern corner of the space (Photograph 51). Metal posts spaced evenly throughout the room reinforce the roof structure (Photograph 52). The room at the northwest corner contains historic sliding doors, but all of the other door openings contain modern metal swing doors (Photograph 53).

Building 2, Addition 1 (1946):
Only the east and west elevations of the 1946 addition are visible, as the wing was built onto the north elevation of building 2, and the 1956 addition of building 3 abuts the north elevation (Photographs 46 and 47). The 1946 addition is a one-story concrete block structure with brick sheathing on a concrete block foundation. The west elevation contains four bays. The first, third and fourth bays (from south) each contain a pair of 20-pane, steel-framed factory windows; but one of the windows in the first bay has been partially refitted with a metal vent. The second bay contains historically contained three truck loading doors, but one has been filled with brick. The southern opening contains a metal overhead door, and the northern opening contains a wood paneled overhead door. The east elevation contains five bays all of which contain 20-pane, steel-framed factory windows. The first and third bays (from south) each contain a single window, while the second, fourth and fifth bays each contain a pair of windows.

The interior of this addition is mostly open space with a concrete floor and steel posts which support a steel structure roof (Photograph 54). Two small rooms, one at the southwest and one at the southeast corner of the space, are walled with

concrete and contain sliding metal fire doors. A concrete ramp ascends from this building to Building 3, Addition 3 (2758 N 33rd Street).

2758 N 33rd Street (Parcel #309-0503)
The 2758 N 33rd Street parcel contains one building with five additions and one structure all constructed between 1925 and 1959 (Figure 6).

Building 3 (1925):
Building 3 is a three story cream-colored brick building located at the southwest corner of 33rd and Hadley Streets oriented to the west (Photograph 55). The building has a flat roof, with a parapet roof topped with limestone. The roof holds three shed-roof style steel-framed industrial skylights. The building historically contained six-over-nine wood sash windows throughout, but many of the historic window openings have been covered by later additions. The façade (west) elevation contains nine bays. The first story is mostly hidden by a one-story office addition (Addition 5, built 1959), but the first five bays (from north) retain the top sashes of their historic windows above this addition; each of these bays contains sets of three wood, six-pane, fixed-sash windows. The window openings in the other three bays have been filled with glass block. The second and third stories contain sets of three typical windows in each bay.
The south (side) elevation contains four bays (Photograph 56). The first story is mostly hidden by later additions, but the window openings (which appear above addition 5) in both the first and second bay (from west) have been filled with glass block. The third bay contains a standard swing door and a typical window. The fourth bay was obscured by Addition 3 in ca. 1948. The first three bays in the second story each contain a set of three typical windows; the fourth bay was hidden by Addition 3. The first three bays in the third story each contain a set of three typical windows. The fourth bay contains a ten-pane, metal-framed window.

The east (rear) elevation contains eleven bays. At the southern end of the east elevation, the first four bays (from south) protrude from the main block of the building. The first story completely obscured by later additions. The second story was partially obscured by Addition 1 in ca. 1930, but the seven bays which remain all contain typical windows. In the third story, the first, second, and fourth bay each contain ten-pane, metal-framed windows. The third bay contains a nine-pane, metal-framed window. The remaining bays each contain sets of typical windows. Above the third bay, the building rises to a fourth story to provide roof access. The east elevation of this stairwell block contains a six-pane, metal-framed window; and the south elevation of this block contains a metal fire door.
The north (side) elevation contains three bays. The first story, first bay (from west) historically contained a set of three typical windows, but these windows have been modified to accommodate Addition 4, and now contain a set of three nine-pane, wood fixed-sash windows. The second bay contains a set of three typical windows, but the central window has been partially filled to accommodate a vent. The third bay contains a pedimented entrance vestibule with a metal door and a pair of four-over-six, wood sash windows. The other two stories both contain three bays which all retain sets of three typical windows.

The interior of Building 3 is mostly open manufacturing space with, exposed brick walls, wood posts, wood floors, and exposed wood joists throughout (Photographs 63 and 64). There are stairwells located in both the northeast and southeast corners of the building, both of which contain wood stair cases with carved wood newel posts and bead-board railings. The first floor contains a number of mid-century metal doors which lead to the building's later additions, but the original factory doors have been removed. The third story contains four small rooms aligned in the center of the building built with modern materials (Photograph 65).

Boiler House 2 (ca. 1925):
Boiler House 2 is a two-story L-shaped brick structure built at the northern end of the east elevation of Building 3 (Photograph 62). The building has pairs of nine-pane, steel-framed windows in the first story, and 24-pane, steel-framed factory windows in the second. The north elevation contains three bays, with typical windows in each bay. The east elevation also contains three bays. The first bay in the first story contains a window opening which has been fit with a pair of steel doors. The second bay contains a standard-size metal swing door. The third bay historically contained a typical window opening, but this opening has been enlarged and partially filled with sheet metal and a metal exhaust vent. The second story contains three typical windows. The south elevation contains three bays; the first two bays contain typical openings in both stories, while the third bay contains twelve-pane, steel-framed industrial windows in both stories.

The boiler house was built below grade, and the interior contains poured-concrete floors, a reinforced concrete staircase with industrial-pipe handrail, and retains a portion of its historic boiler equipment. The second story also has poured concrete floors.

An approximately 120 foot tall brick smoke stack stands immediately south of Boiler House 2.

Building 3, Addition 1 (ca. 1930):
Addition 1 was built onto the rear (east) elevation of Building 3 in ca. 1930. It is a two-story concrete block structure faced with cream-colored brick. The roof contains three shed-style industrial skylights. The building contains 20-pane, steel-framed industrial windows throughout, except where otherwise noted. The north elevation contains four bays. At the first story, the first bay (from east) contains a pair of metal swing doors, and the other three bays contain window openings, all of which have been boarded. The first three bays in the second story contain typical windows, and the fourth bay contains a 12-pane, steel-framed window. Approximately half of the east elevation is hidden behind a neighboring building (Photograph 61). The exposed portion of the building contains six bays, each of which contain typical windows in both the first and second stories. The south elevation was obscured by the *circa*-1948 addition (Addition 3). The first story of the west elevation was obscured by the *circa*-1940 addition (Addition 2). The second story contains a continuous wall of steel-framed industrial windows.

The interior of Addition 1 is very similar to the main wing of the building, with exposed brick walls, large wood posts, and exposed wood joists (Photograph 66). The first floor of the addition has a poured concrete floor, but the second floor has a wood floor. The second floor is divided into three rooms by stud-wall partitions, a large production space with smaller rooms at each the north and south ends; the doors between these rooms are mid-century metal doors (Photograph 67). The interior of the skylights reveal that these structures are of wood construction with steel-framed windows.

Building 3, Addition 2 (ca. 1942):
Addition 2 is a one-story concrete block structure built in the courtyard formed between Building 3 and its *circa*-1930 addition. The roof of this addition contains a steel-framed gabled skylight which has been boarded over. The only exposed elevation, the north elevation contains a 12-pane, steel window which has been boarded and a metal swing door. The additions interior is completely open with a poured concrete floor (Photograph 68). The historic windows from the first stories of both the *circa*-1925 Building 3 and its *circa*-1930 addition (Addition 1) remain in place.

Building 3, Addition 3 (ca. 1948):
Addition 3 is a two-story brick and concrete block building which extends to the south from Addition 1. The west elevation contains ten bays (Photographs 57 and 58). In the first story, the first and fourth bays (from north) each contain a metal swing door and a ten-pane, metal-framed window. The second and third bays contain three wood overhead garage doors. The tenth bay contains a wood-paneled overhead garage door. The remaining bays all contain pairs of 20-pane, metal-framed industrial windows. All ten bays in the second story contain pairs of 20-pane industrial windows except the third bay, where one window has been enlarged and refit with a pair of metal bay doors. The east elevation also contains ten bays (Photograph 60). In the first story, each bay contains a pair of 16-pane industrial windows, except the sixth bay (from south) which has been refit with a metal swing door, and the tenth bay where both windows have been filled and refit with metal vents. In the second story, the first seven bays each contain one 20-pane and one 16-pane industrial window, and the last three bays each contain pairs of 20-pane industrial windows.

The first floor interior is open industrial space with a poured concrete floor, with steel posts and I-beams which hold wood floor joists (Photographs 69 and 70). The second floor retains its wooded floorboards and a few historic fire doors (Photographs 71 and 72). Two small pre-fabricated structures have been set up in the space, made of aluminum, acrylic glass, and particle board.

Building 3, Addition 4 (1956):
Addition 4 is a two-story concrete block structure faced with cream colored brick built on the south elevation of Addition 3 (Photograph 59). A brick chimney rises from the northwest corner of this addition. The building contains 10-pane, metal-framed windows throughout, except where otherwise noted. The first story of the west elevation contains a large open truck bay. There is a single window opening to the north of this bay which has been retrofitted with a typical window. The

second story contains six typical windows. The south elevation contains three typical windows in the first story, and six windows in the second story, three of which are typical, and three of which are 20-pane industrial windows. The east elevation contains two openings in each story; the southern opening in the first story historically contained a window, which has been filled with concrete block and refit with a metal swing door, and the other three openings contain 20-pane industrial windows. The north elevation contains five openings in each story; the western-most opening in the first story contains a metal swing door, the other openings all contain steel-framed windows of various sizes.

Addition 4 is the only portion of the Building 3 complex which contains a basement, which has a poured concrete floor, concrete walls, concrete pillars, and a freight elevator (located in the southwest quadrant of the space) (Photograph 73). The western half of the first story is open to street level, while the eastern half of the building is raised to accommodate truck loading (Photographs 74 and 75). The eastern half of the room is separated from the western half of the room by a brick wall which holds three wood overhead garage doors. The second floor is mostly open space, with a concrete floor and concrete pillars (Photograph 76). The only structure in the space is the concrete freight elevator shaft.

Addition 5, Office (1959):
Addition 5 is a one-story concrete block structure faced with cream-colored brick which wraps from the south elevation to the north elevation of Building 3 (Photographs 55 and 56). The building has aluminum one-over-one sash windows throughout, except where otherwise noted. The west elevation contains 11 bays, all of which contain typical windows except the tenth bay which historically contained the main entrance to the building, a recessed door way fit with a metal door, sidelight and transom (all of which have been boarded over, flanked on either side by typical windows. The south elevation contains three pairs of typical windows, and the north elevation contains two bays: the first (from west) contained a recessed entrance (which has been filled) and a typical window, and the second contains a pair of typical windows.

The interior of Addition 5 is in relatively poor condition (Photograph 77). In the southwest corner of the building an office was created partially by encasing the historic brick walls with drywall and partially by constructing stud walls. This room has both tile and carpeted flooring and a drop ceiling. The northern section of the addition was sectioned into offices by filling the historic factory windows and building stud walls. These offices also contain tiled floors and drop ceilings.

2784 N 32nd Street (Parcel #309-1205)
Building 4 (1920):
Building 4 is located north of building 1 and east of the intersection of 32nd and Hadley Streets (Figure 7). The building is a steel and brick structure. The building contains three masses, most clearly visible from the west elevation: the main wing is a one-story, sawtooth roof building; the second wing is attached to the north of this building, and the third wing (office wing) is attached to the west, between the main wing and the street (Photographs 78 and 79). The west elevation has been entirely covered with stucco, but structural elements give an idea of the historic fenestration of the building. Today the west elevation contains only three openings: a rolling garage door in the main wing, a metal swing door in the office wing, and a rolling garage door in the north wing. The south elevation of the main wing is almost entirely made up of steel-framed factory windows. The east elevation has also been stuccoed and contains no fenestration. The roof of the main wing contains two nearly full-span shed roof skylights. The north wing contains a series of steel-framed gabled skylights. The interior of the building contains a steel skeletal system on a concrete floor.

2727 N 32nd Street (Parcel #309-0502)
2727 N 32nd Street has always remained open space. In ca. 1948 a retaining wall was built along the east edge of the lot with wood poles to level the ground for use as a parking lot. Metal posts were added to reinforce the wooden retaining wall. Today the lot is largely overgrown, but existing evidence suggests that the lot was once graded and laid with gravel.

Integrity*:*
The Briggs and Stratton West Plant retains a moderately high amount of historic integrity to its period of significance (1936-1977). The plant retains its integrity of location as it continues to exist in the northern two quadrants of the intersection of Center and 32nd Streets. The plant also retains its integrity of setting as it continues to exist in an industrial corridor which runs along either side of the former Milwaukee Road. The manufacturing properties which border the property to the north and south show continued industrial activity, and the neighborhood to the west continues as a

residential area composed primarily of single-family homes. Portions of the plant which are currently used maintain the interior setting of the property, although the integrity of the interior setting has been lost in places where the plant has become vacant.

Because the plant was assembled through acquisition and modification of previously-existing industrial properties, the Briggs and Stratton West Plant also retains integrity of design. The predominant design of the plant is expressed through its assembly, and neither the individual buildings nor the assemblage has undergone any significant modifications since the plant's period of significance. Further, many of the individual buildings and structures that constitute the plant retain their historic designs. While some modifications, such as the addition of stucco to 2784 N 32nd Street (Building 4), or the enclosure of the main entrance to 3212 W Center Street (Building 2), have diminished design integrity, other modifications like the enclosure of the courtyard at 2748 N 32nd Street (Building 1, Addition 4), and the extensive additions to 2758 N 33rd Street (Building 3), took place within the period of significance and add to the design of the plant.
The historic architectural elements, such as the multiple colors and patterns of brick and limestone, the heavy timber framing elements, and even the molded reinforced concrete demonstrate integrity of materials and workmanship. While many of the historic windows have been covered, much of the historic material remains in place. Some individual buildings have lost some of these aspects of integrity, especially where windows have been replaced, or where historic floors have been covered, or where historic ceilings have been hidden by late-twentieth century drop ceiling; but the plant as a whole retains a moderately high amount of its historical material and evidence of workman manipulation of those materials.

The plant demonstrates integrity of association through its proximity to neighboring industrial properties, to the arterial Center Street, and to the railroad. It also demonstrates this aspect of integrity through the relationships between the individual buildings on the site. Elements like the doorway cut through the northern wall of 3212 W Center Street (Building 2, Addition 1) to connect that building to 2758 N 33rd Street (Building 3, Addition 4) demonstrate the assemblage of an integrated plant and association of the plant's interior elements. The continued presence of large bay doors and loading docks signal the plant's history as a manufacturing and shipping center. Skylight elements and large expanses of windows demonstrate the building's early-twentieth century manufacturing history and the necessity of large amounts of natural light. Because the buildings have not undergone any significant changes since the plant's period of significance, it still reflects a direct association with the Briggs and Stratton Corporation and their twentieth century manufacturing enterprise. Lastly, the Briggs and Stratton West Plant exhibits integrity of feeling through its expansive manufacturing spaces flooded with natural light, through mid-century locker rooms and bathroom fixtures, through well-worn wooden floors and stair treads, and through the noises and smells of active manufacturing in the immediate vicinity.

Briggs and Stratton Industrial Campus
HISTORIC PRESERVATION CERTIFICATION APPLICATION
PART 1 – EVALUATION OF SIGNIFICANCE

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Statement of Significance:

Statement of Significance Summary Paragraph

The Briggs & Stratton Corporation West Plant is significant under Criterion A for its industrial history related to the Briggs & Stratton Corporation for the period of 1936-1977. Briggs & Stratton began developing the site in 1936 to accommodate the expansion of its small engine production, an enterprise which led to the company becoming one of the largest manufacturers of small engines in the country, and one of the leading producers of lawn and garden equipment and air-cooled gasoline engines in the world. The West Plant is a significant example of the assemblage of a manufacturing facility through the acquisition, modification, and expansion of pre-existing industrial properties. The Briggs & Stratton Corporation West Plant is one of the last vestiges and greatest embodiment of the company in the City of Milwaukee.

Developmental History

The Briggs and Stratton Corporation (Briggs & Stratton) purchased the first property at what would become the West Plant in 1936, and between that year and 1977 the company purchased five contiguous parcels to form their second plant in the City of Milwaukee. Over the course of forty years, Briggs & Stratton would accumulate, modify, and expand existing manufacturing sites to form their industrial campus.

In January 1936, Briggs & Stratton purchased property at 2748 N 32nd Street (parcel #309-1206) from the Westinghouse Lamp Company.[1] The building was originally designed in 1906 by Alexander C. Eschweiler and built for the Romadka Brothers Company, one of the city's largest trunk and luggage companies, in one of the leading trunk manufacturing cities in the country (Figure 9).[2] The Romadka Brothers Company was founded in 1848 as the Wisconsin Trunk Manufactory, the first enterprise of its kind in the city.[3] In 1865, the owner, John R. Cocup died, and brothers Charles P., John M. and Anthony B. Romadka purchased the company and changed its name to the Romadka Brothers Trunk Company. By the turn of the century, the company had outgrown its Third Street location, and purchased a lot of land in northwest Milwaukee to expand their business.[4] The original 1906 plant consisted of a three-story administrative building (building 1A), a three-story factory building (building 1B) with two single story railroad shipping sheds (buildings 1C and 1D), a two-story boiler house (boiler house 1), and an approximately 140-foot-tall smoke stack (stack 1). In 1912, the Romadka Brothers Company went out of business, and the factory was purchased by the Westinghouse Lamp Company who utilized the space to manufacture electrical components until the 1930s. Westinghouse undertook a large expansion project in ca. 1920 during which they built a coal house (addition 1) onto the east side of the 1906 boiler house, and two large factory additions (additions 2A and 2B) to the north of the original factory (Figures 10 through 14). In ca. 1930, Westinghouse expanded the restroom facilities on the north side of addition 2A (addition 3) likely in preparation to lease that portion of the plant to an outside company, which they did in 1933, when the Ideal Shoe Company leased the *circa*-1920 factory buildings (Figure 15). The entire property was sold to Briggs & Stratton in 1936, who utilized the factory to manufacture cast iron (and later aluminum alloy) engines. Briggs & Stratton expanded the facility in 1950 by enclosing the historic courtyard, converting the space into a heat treating plant (addition 5). Around the same time, the company built three additions (additions 5, 6, and 7) to the north end of the plant to expand their shipping operation In ca. 1960, the company modernized their security by replacing the former guard house (addition 8).

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[1] Milwaukee County Register of Deeds, Deed #2069717. See also "Factory Here Buys Building for Expansion", *Milwaukee Journal*, 30 Nov 1935.

[2] Miloslav Rechcigl, Jr. *Czech American Timeline: Chronology of Milestones in the History of Czechs.* (Bloomington, IN: AuthorHouse, LLC, 2013), 61.

[3] "Centers of Industry: Milwaukee and Racine—Greatest Trunk District of the West", *Trunks, Leather Goods and Umbrellas: A Journal of Information for the Trade,* Vol. 24, July 1909 (Philadelphia: Perry L. Smith, 1909), 106.

[4] Frank L. Flower, *History of Milwaukee, Wisconsin,* Vol. 1, (Chicago: The Western Historical Company, 1881), 1447.

In 1948, Briggs and Stratton purchased a second property at 2727 N 32nd Street (parcel #309-0502), directly across the street to the west of the plant for use as a parking lot (Figure 16). The company built a retaining wall, graded, and graveled the lot.

On June 2, 1950, Briggs and Stratton purchased the building at 3212 W Center Street (parcel #309-1208) from the Harley Davidson Motor Company for use as its "service and distribution warehouse and headquarters."[5] This facility functioned as a highly modernized warehouse, and was primarily used for stocking, packaging and shipping replacement parts, and was "one of the first of its kind in the country."[6] This building (building 2) had originally been built in 1920 for the Columbia Knitting and Manufacturing Company, who sold the property to the Holeproof Hosiery Company in 1926.[7] That company, in turn, sold the property to the Harley Davidson Motor Company in February 1942.[8] They built a single-story trucking and distribution addition (building 2, addition 1) to the rear of the building in 1946 (Figure 17). Harley Davidson only occupied the building for eight years, and sold the property to Briggs & Stratton in 1950. Briggs & Stratton modernized the building for their purposes, and after they purchased the neighboring property (2758 N 33rd Street) in 1972, they cut a door through the northern wall of the addition to join the two properties.

Briggs and Stratton purchased the third property (parcel #309-0503) of the West Plant in September 1972 from Milsco Manufacturing Company (2758 N 33rd Street).[9] The building was originally built in 1925 for the Albert H. Weinbrenner Shoe Company for the manufacture of leather shoes and boots.[10] Albert began his shoe company in the back of his father's cobbler shop in the 1880s, and in 1892 he partnered with Joseph Pfeifer to open a store on Milwaukee's Water Street called Weinbrenner and Pfeiffer.[11] Weinbrenner expanded his operation and opened his first factory in 1900 and business boomed. By 1919, the Weinbrenner Shoe Company already had five factories, and in 1925 Weinbrenner purchased the lot at 2758 N 33rd Street for another.[12] The original 1925 construction included the three-story factory building (building 3), two-story boiler house (boiler house 2), and approximately 120 foot tall smoke stack (stack 2). In ca. 1930, the company nearly doubled the size of their operation by building a two-story addition (building 3, addition 1). In 1942, the Weinbrenner Shoe Company sold its property to Milwaukee Saddlery Company, a leather harness, collar, and accessory company.[13] Milwaukee Saddlery was formed in 1924 and found moderate success in the agricultural market before they were approached by Harley Davidson Motor Company to create an upholstered two person "buddy" seat for their motorcycles in 1934.[14] The partnership was instantly successful, and Milwaukee Saddlery expanded its business and in 1937 moved to a new factory on 32nd Street (one block south of the new Briggs & Stratton West Plant) to serve the needs of its newly expanded business. In 1942, the same year Harley Davidson purchased 3212 W Center Street, Milwaukee Saddlery purchased the former Weinbrenner Shoe Company factory; and in 1948, to reflect their transition from horse tackle to automotive parts, they officially reincorporated as Milsco Manufacturing Company.[15] Milsco Manufacturing largely expanded the factory: in ca. 1942 it enclosed the first story of the courtyard to further integrate the two wings, in ca. 1948, the company extended the two-story wing to the south to increase production space (building 3, addition 3), in 1956 it built a new distribution facility to the south of the *circa*-1948 wing (building 3, addition 4), and in 1959, the company modernized its office space by building a one-story wrap-around addition to the west façade of the original 1925 factory building (Figure 18). In 1972 Milsco Manufacturing moved its production facility to a larger plant in the Milwaukee suburb of Brown Deer,

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[5] Milwaukee County Register of Deeds, Book 2750, Page 343.

[6] Jeffrey L. Rodengen, *The Legend of Briggs & Stratton,* (Fort Lauderdale, Florida: Write Stuff Syndicate, 1995), 106.

[7] Milwaukee County Register of Deeds, Deed #7358198

[8] Milwaukee County Register of Deeds, Deed #2943792

[9] Milwaukee County Register of Deeds, Book 678, Page 1012.

[10] Sanborn Map Company of New York, "Insurance Maps of Milwaukee, WI (Last Updated 1926)" *Sanborn Fire Insurance Maps*. (New York: Sanborn Map Company, 1910), 138.

[11] Weinbrenner Shoe Company, "A Sole-Mater in Manufacturing: Weinbrenner Shoe Company, "The Thorogood Story." Available from: http://www.weinbrennerusa.com/ourHistory.cfm

[12] Michael Golombek, "A Solid Footing," *Business in Focus,* June 2015. (Halifax, Nova Scotia: Focus Media Group, 2015), 258. Available from: http://www.businessinfocusmagazine.com/e_mag/BIFNAJun2015/

[13] Milsco Manufacturing Company. "The History of Milsco" Available from: http://www.promekseats.com/history.html

[14] Ibid.

[15] Ibid.

Wisconsin, and sold the 33rd Street plant to Briggs & Stratton. Briggs & Stratton made few modifications to the Milsco plant; most notably they cut a door between the southern-most addition and the 3212 W Center Street addition which merged the two plants into one continuous building.

In 1976 as part of an exchange for the land on which the East Plant was located, Briggs & Stratton acquired the fifth and final property of its West Campus, 2784 N 32nd Street (parcel #309-1205) from Milwaukee Reliance Boiler Works.[16] Milwaukee Reliance Boiler Works was incorporated by John E. and William Sharp in 1909.[17] The factory was built in 1920 and continued its operation at that site until 1977 when it traded the 32nd Street property for the former Briggs & Stratton East Plant site (demolished 1976). Briggs & Stratton only operated at the site for nine years, and during that time primarily used the 2784 N 32nd Street property as warehouse space. The company made very few alterations to the property after the plant's completion in 1977, instead investing its resources in the expansion of its Burleigh Plant in Wauwatosa. Following a 1986 expansion to the Burleigh Plant, the West Plant became redundant and was closed. The property was subsequently sold the following April.[18]

Narrative Statement of Significance

National Register Criterion A: Industrial Significance

The Briggs & Stratton West Plant was assembled between 1936 and 1977 and represents the transition and expansion of the company from its focus on automobile assembly and automobile part manufacturing to small engine innovation and production. Milwaukee is one of the leading industrial centers of the late-nineteenth and early-twentieth century America. The city's metal foundries began to flourish as early as 1842, which lead to the development of Milwaukee's mechanical industries, including the production of large and small engines, machinery, and electrical appliances.[19] By the 1910s the city was heavily involved in the production of automobile parts; although never a prominent center of automobile assembly, as the Detroit-based Ford Motor Company lead the nation, a number of Milwaukee's general manufacturers produced parts necessary to sustain the enterprise.[20] By the end of World War I, Milwaukee had established itself as an international leader in the manufacturing of tractors, milling and farm implements. While Briggs & Stratton had become a leading producer in automobile ignitions, switches, and locks by the 1920s, the West Plant represents the period during which the company became one of the nation's largest manufacturer of small gasoline engines. As the company's East Plant (built between 1917 and 1920) was demolished in 1976, the West Plant remains the sole facility associated with the company's rise to dominance in the City of Milwaukee.

Stephen F. Briggs was born in the Dakota Territory in 1885, the son of Stephen A. Briggs, insurance agent and tailor and Flora (Foster) Briggs. From an early age Briggs showed an aptitude for mechanics. He attended South Dakota State College where Bill Juneau, coach of the college's football team, learned of Briggs's talent for mechanical engineering and introduced him to Harold M. Stratton, a local grain merchant. In 1908, a year after Briggs graduated from college, Briggs and Stratton entered into business together, hoping to break into the booming automobile market. They opened a modest shop in rented space on the third floor of the Feister-Owen Press Building at the corner of Milwaukee and Buffalo Streets in Milwaukee's Third Ward.[21] The company's first ventures were in the automobile assembly business, but they quickly found that they were not able to compete with larger, more established companies. Their first projects all proved too costly for mass-

[16] Briggs and Stratton Corporation, *The History of Briggs & Stratton Corporation.* Pamphlet. On file at Milwaukee County Historical Society, File MSS-0764. Wawautosa: Np., Nd. (ca. 1979)
[17] William George Bruce, *The History of Milwaukee City and County,* volume 2. (Chicago: S.J. Clarke Publishing Co., 1922), 752.
[18] Milwaukee County Register of Deeds, Deed #6048490
[19] Mead & Hunt, *Milwaukee Industrial Properties Intensive Survey,* (Madison: Wisconsin Historical Society, 2016), 17. Available from: https://www.wisconsinhistory.org/pdfs/hp/Milwaukee-Industrial-Intensive-Survey.pdf
[20] Ibid., 29.
[21] Briggs and Stratton Corporation, *The History of Briggs & Stratton Corporation.* Pamphlet. On file at Milwaukee County Historical Society, File MSS-0764. Wawautosa: Np., Nd. (ca. 1984)

production. Through the process, Briggs had developed a revolutionary ignition system to replace the magneto, a product which he patented in 1909 and exhibited at the New York Auto Show in 1910.[22]

Out of money and driven by demand for the new igniters, the company was forced to switch its focus from automobile assembly to the manufacturing of automobile parts. The company was incorporated in 1910 and expanded their enterprise to produce a variety of automobile parts, including die-cast gasoline engine igniters and automobile locks. Although Briggs & Stratton had not succeeded in manufacturing an automobile for mass-production, it had revolutionized the automobile industry, and by 1920, the company was the leading producer of starting mechanisms in the country, and by 1929, the world.[23]

In 1914, Briggs & Stratton expanded by leasing out the fourth floor of the Feister-Owen Press Building, and in 1915 they offered to lease the entire building and add a fifth floor, but negotiations fell through and they began drafting plans for a new facility.[24] The company's new building was to consist of two five-story buildings located at the corner of 13th and Center Streets. Briggs & Stratton moved into their new building in 1917, before the building was completed (the first building was completed in 1918 and the second in 1920.)

Although the company was becoming massively successful in the automobile parts industry, they continued to experiment and innovate. In 1919 the company acquired the exclusive rights to the A.O. Smith Motor Wheel, a flywheel motor which saw its main application in motorized bicycles. That same year, Briggs and his engineers created a working prototype of a stationary small engine, modeled after the Motor Wheel.[25] By the following year, Briggs & Stratton had introduced the "Type P" engine. The stationary small engine had a wide range of applications, from garden tractors and cultivators, to harvesting and milling machines. The company produced the first self-contained home electric refrigerator, but as there was no market demand (as the majority of Americans did not have access to electricity), the product failed.[26] Undeterred, Briggs & Stratton modified the engine for wider applications, resulting in the development and production of twelve different engine models between 1925 and 1930.[27]

During the 1920s and 1930s the vast majority of American farmers were without electricity; the Rural Electrification Act wasn't passed until 1936, and many farms throughout the Midwest were not electrified until after World War II. Recognizing his market, Briggs sought to create a line of products aimed at improving the lives of the 85% of farmers without electricity, ranging from tractors and corn huskers, to water pumps and electrical generators.[28] The most lucrative product for Briggs & Stratton was the gasoline-powered washing machine.

By 1930, Briggs & Stratton was producing an average of 500 engines per day, and it was becoming clear to Stephen Briggs that the company would need to expand to remain efficient and productive. In 1930, in the height of the Great Depression, Briggs & Stratton expanded by constructing a sixth floor to both of their buildings at 13th and Center Streets, and in 1934 built a new testing laboratory.[29] The company's product diversification and the success of the gasoline-powered washing machine required even more production space, and in 1936 Briggs & Stratton purchased the former Westinghouse Lamp Factory at 2748 N 32nd Street, which quickly became known as the West Plant. The new factory space became the primary facility for the manufacturing of cast iron engines, while the East Plant (as it had become known) retained the majority of the company's automobile parts assembly.

Following World War II as Americans were moving from the cities to the suburbs, Briggs & Stratton recognized the growing market for rotary lawn mowers. The company had been working on making lawn mowers more accessible since the 1930s,

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[22] Briggs and Stratton Corporation, ca. 1979
[23] Ibid.
[24] Rodengen, 22-23.
[25] It's likely that Briggs had the idea for the stationary engine in mind when he purchased the rights to the Motor Wheel.
[26] Briggs and Stratton Corporation, ca. 1979
[27] Rodengen, 42.
[28] Ibid., 67.
[29] Briggs and Stratton Corporation, ca. 1979., and Rodengen 79.

and in 1938 they had developed the "Lawn Mower Pusher," a predecessor to the self-propelled push mower.[30] Between 1930 and 1945, lawn mower engines averaged approximately four percent of the company's total sales, but in 1946 sales of lawn mower engines leapt to 31 percent of total business.[31] The company again revolutionized the market in 1953 with the development of the aluminum-alloy engine. Traditional cast iron engines were both too heavy and too expensive, but the new aluminum-alloy engine made rotary lawn mowers accessible to more Americans. Throughout the 1950s, Briggs and Stratton produced an average of over two million engines per year.[32]

The new production demand required the company to re-evaluate its production facilities. The company's East Plant retained most of the company's ignition systems and automobile lock assemblies, and in 1945 the company built a new office annex along Center Street. Briggs & Stratton renovated their West Plant property in the 1950s, constructing a heat treating plant addition, and constructing new shipping facilities. In 1950, the company purchased additional property at the West Plant to serve as the company's service and distribution headquarters, but it was becoming clear that the company required more space to meet demand. In 1954, the company announced plans for construction of a new plant on an 82-acre site in Wauwatosa.[33] Completed in 1955, the Burleigh Plant (so named because it was located on Burleigh Street), became the primarily production site for the aluminum engine production lines. This plant was expanded in 1958. In 1967, a second addition nearly doubled the size of the Burleigh Plant, and the company moved their corporate offices from Milwaukee.

During the 1970s and 1980s, Briggs & Stratton continued to be a national leader in outdoor power equipment, but the changing retail market forced the company to reorganize. To remain competitive amongst powerful mass retailers, Briggs & Stratton had to expand its production. In the 1970s, the company purchased two separate foundry sites in West Allis to meet the specialized casting needs of their expanding catalog of engines. In 1973, the East Plant was deemed obsolete, and the company purchased a factory and relocated the East Plant production lines to Glendale. [34] In 1977, the company purchased property outside of Milwaukee County for the first time since its formation when it purchased a plant in Perry, Georgia for the production of locks and lock parts. Throughout the 1980s, the company established product-focused facilities in Kentucky, Alabama, and Missouri.[35] By 1986, the West Plant had become redundant, and was closed.

Additional Historic Context Information: Alexander C. Eschweiler

Alexander Chadbourne Eschweiler was born in Boston in 1865. His father, Carl Eschweiler, was named head of the Calumet Heckler Mining Company, and moved the family to Houghton, Michigan Alexander attended Marquette College for a year before transferring to Cornell University where he earned his degree in architecture. He worked for a number of notable Milwaukee architecture firms before opening his own firm in 1892. His early residential commissions created a client base which led to higher profile projects, mostly of educational and religious buildings.[36] His relationship with the Romadka family (he had designed a barn for Clement Romadka's residence in 1905), led to his commission for the new Romadka Brothers Trunk Company factory.

Eschweiler was a prolific Milwaukee architect, probably best known for his designs of the Milwaukee Gas Light Building (Wisconsin Gas Building), the Milwaukee-Downer Quad, the Charles Allis House (Charles Allis Art Museum), and the

[30] Rodengen, 82.
[31] Ibid., 96.
[32] Briggs and Stratton Corporation, "The History of Briggs & Stratton" Pamphlet. (Wauwatosa, Np., 2004), 3.
[33] "Briggs & Stratton to Build New $5,000,000 Factory" *Milwaukee Sentinel*, 18 March 1954.
[34] Rodengen, 128.
[35] Briggs and Stratton Corporation, "Our First 100 Years: The History of Briggs and Stratton" Pamphlet. (Wauwatosa, np., 2008), 8.
[36] David O'Keefe, "An Introduction to Alexander C. Eschweiler," *Alexander Eschweiler in Milwaukee: Celebrating a Rich Architectural Heritage.* Win Thrall, editor. (Milwaukee: Charles Allis Art Museum, 2007), 5-8. See also: "An Era of Eschweilers," *Milwaukee Magazine,* September 1968.

Wedhams Gas Station buildings. His residences were often designed in the English Tudor Revival Style, but he was well versed in the Neo-Gothic Style, and the Art Deco Style.[37]

[37] Mrs. David Whitmore, "Eschweiler Thematic Resources of Marathon County," National Register of Historic Places Nomination Form. (Washington D.C.: National Park Service, 1979).

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 1: NOT USED

Figure 2: National Register Boundary

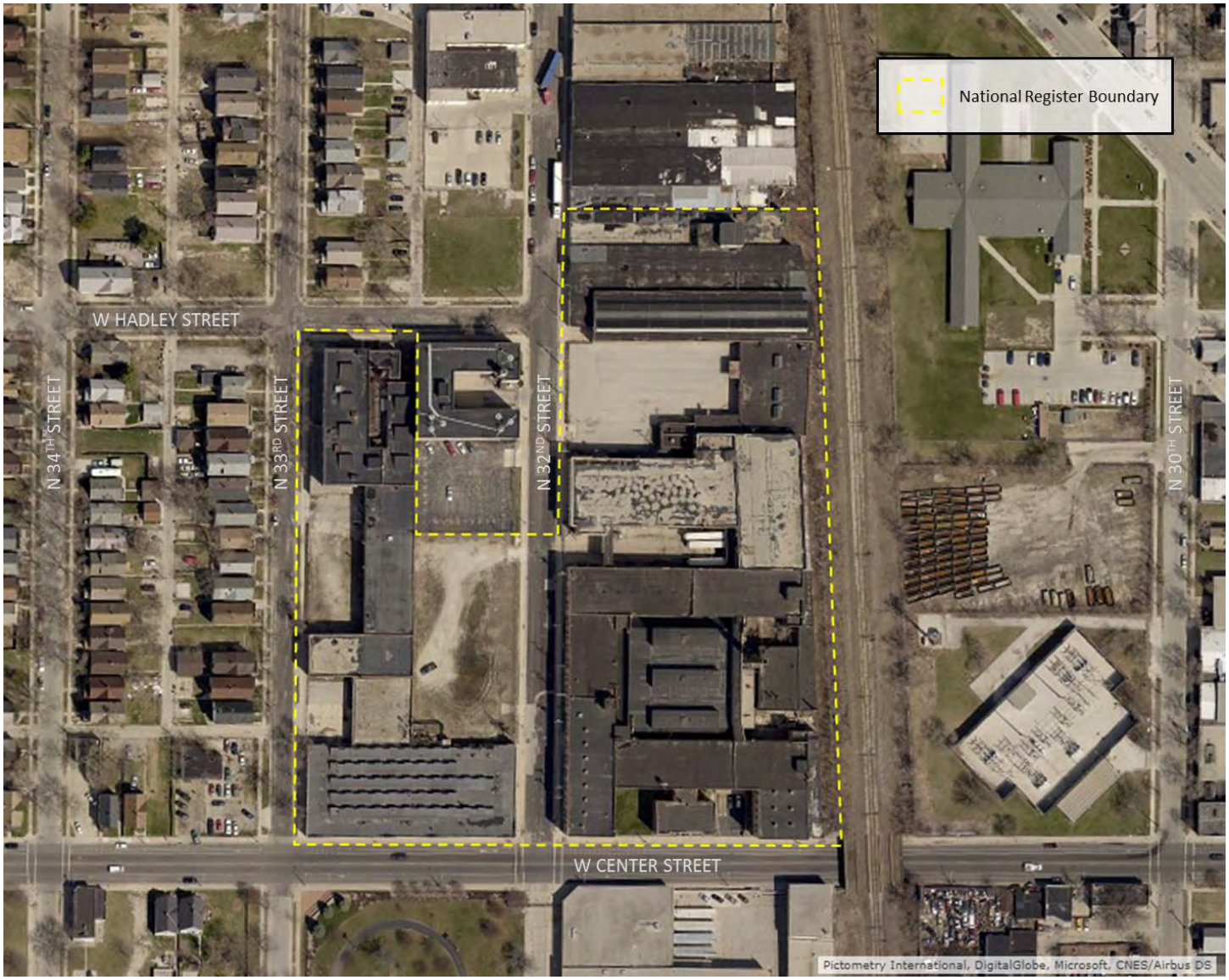

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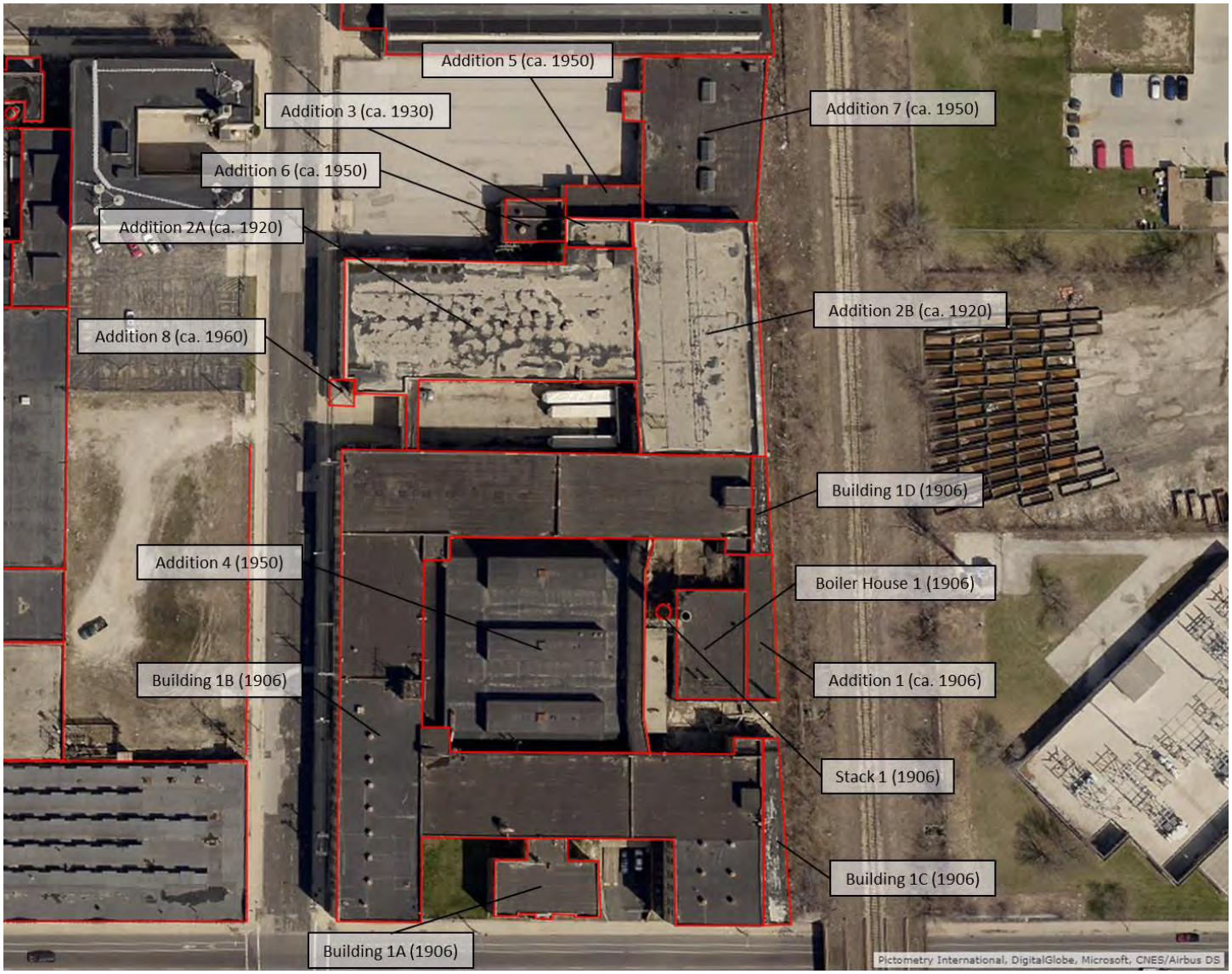
Figure 3: Milwaukee County Parcel Map

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 4: 2748 N 32nd Street (Parcel #309-0501), Site Map



Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

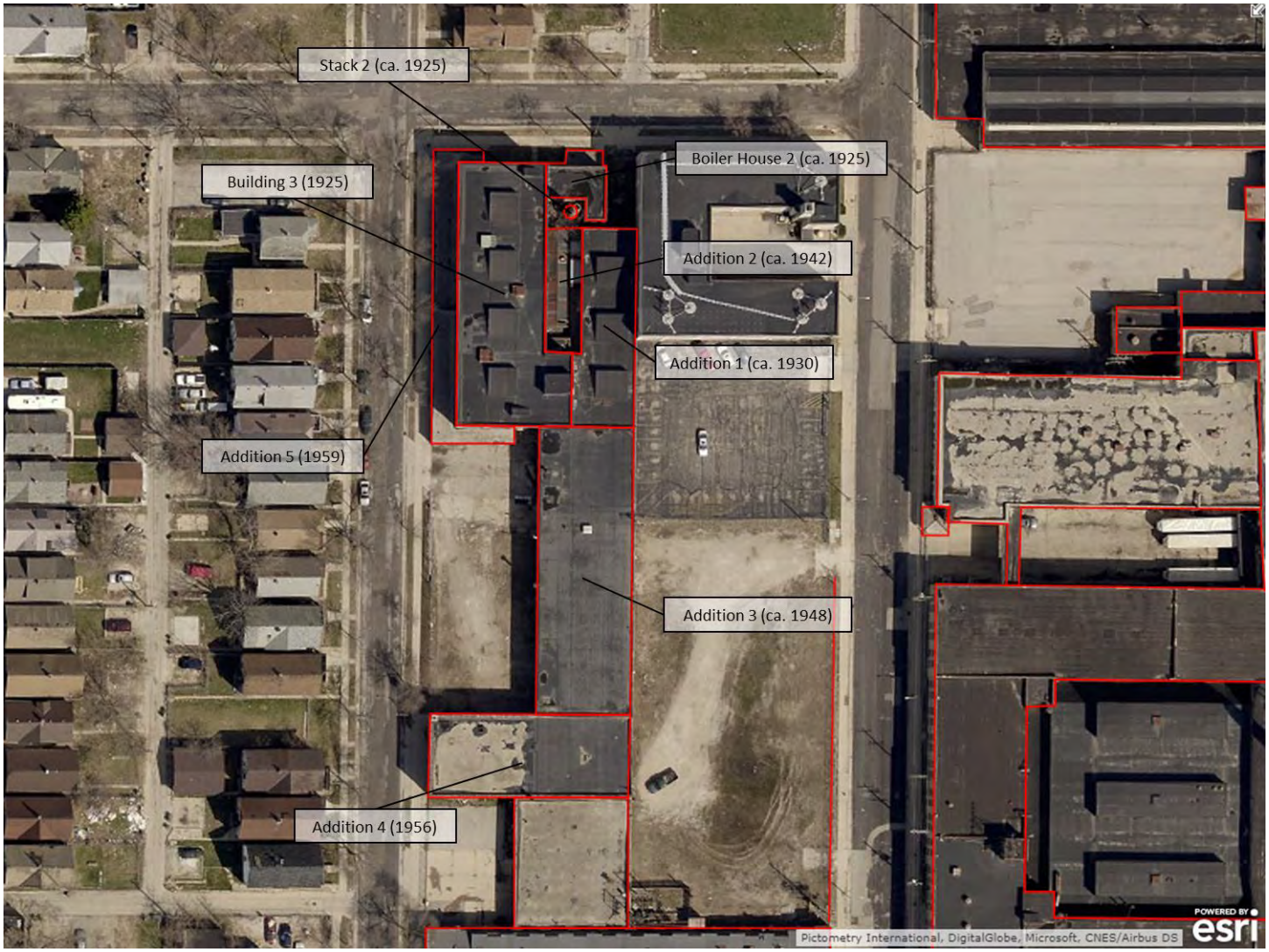
Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 5: 3212 W Center Street (Parcel #309-1205), Site Map

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

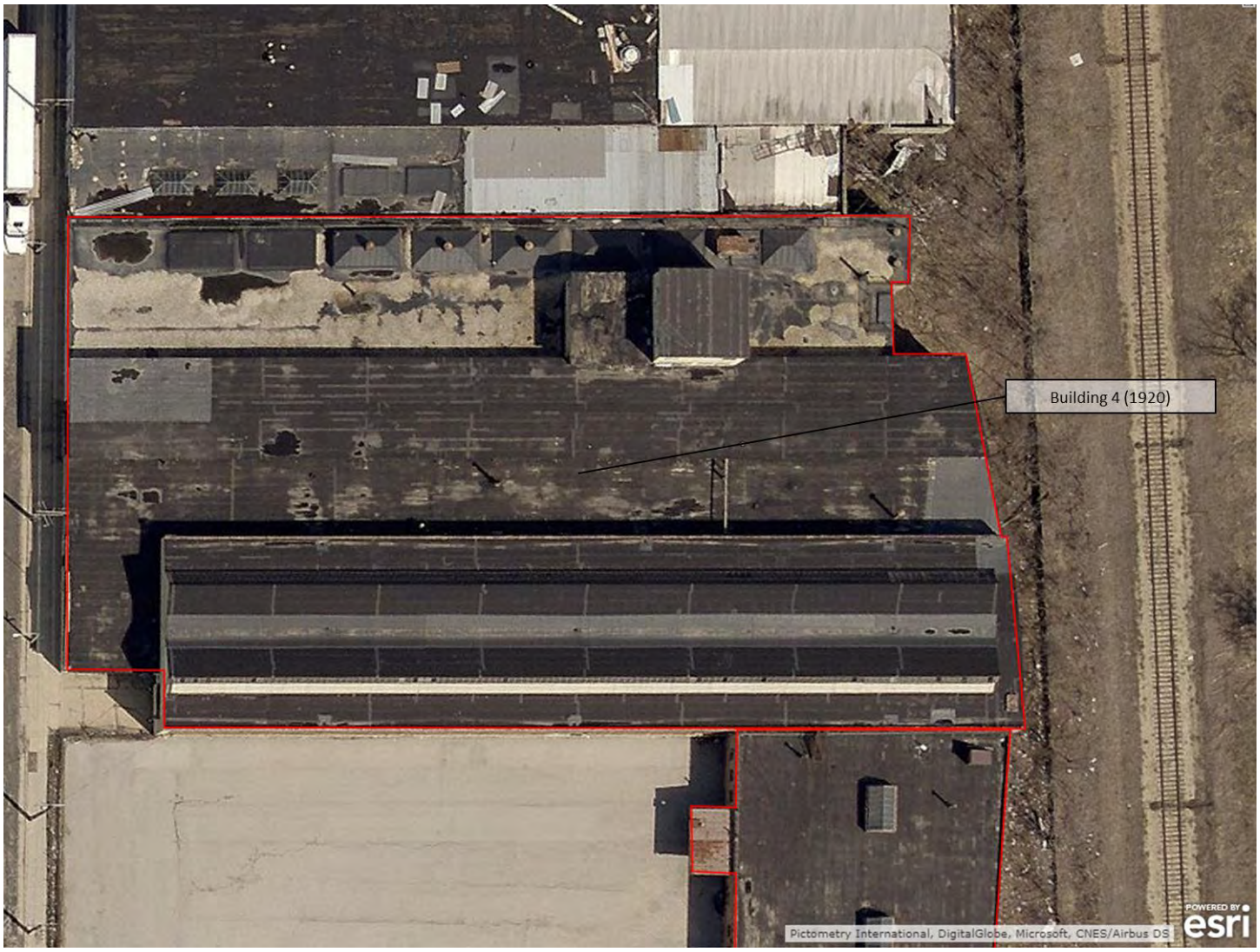
Figure 6: 2758 N 33rd Street (Parcel #309-0503), Site Map



Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

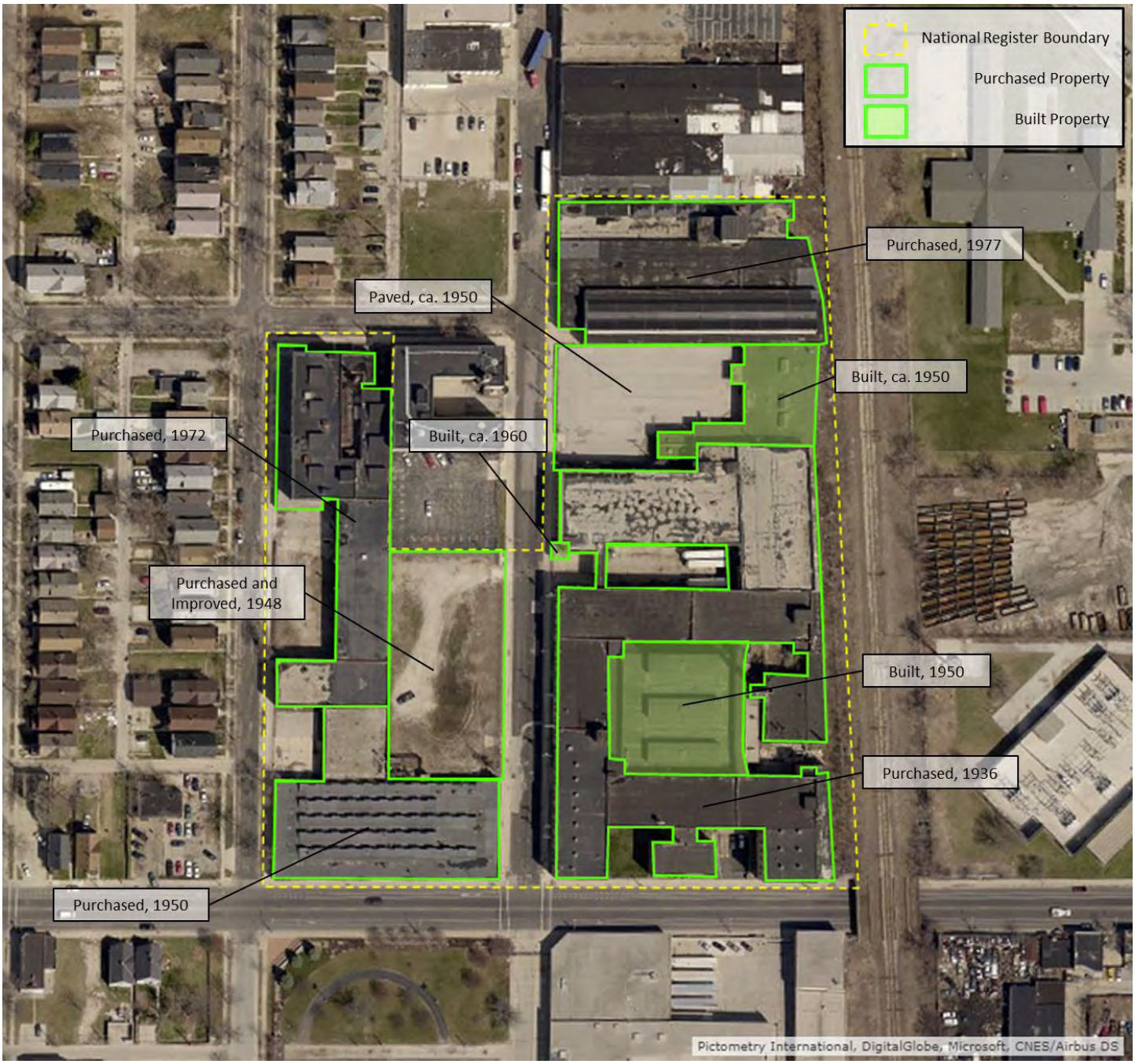
Figure 7: 2784 N 32nd Street (Parcel #309-1205), Site Map



Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 8: Briggs and Stratton Corporation Plant Development History

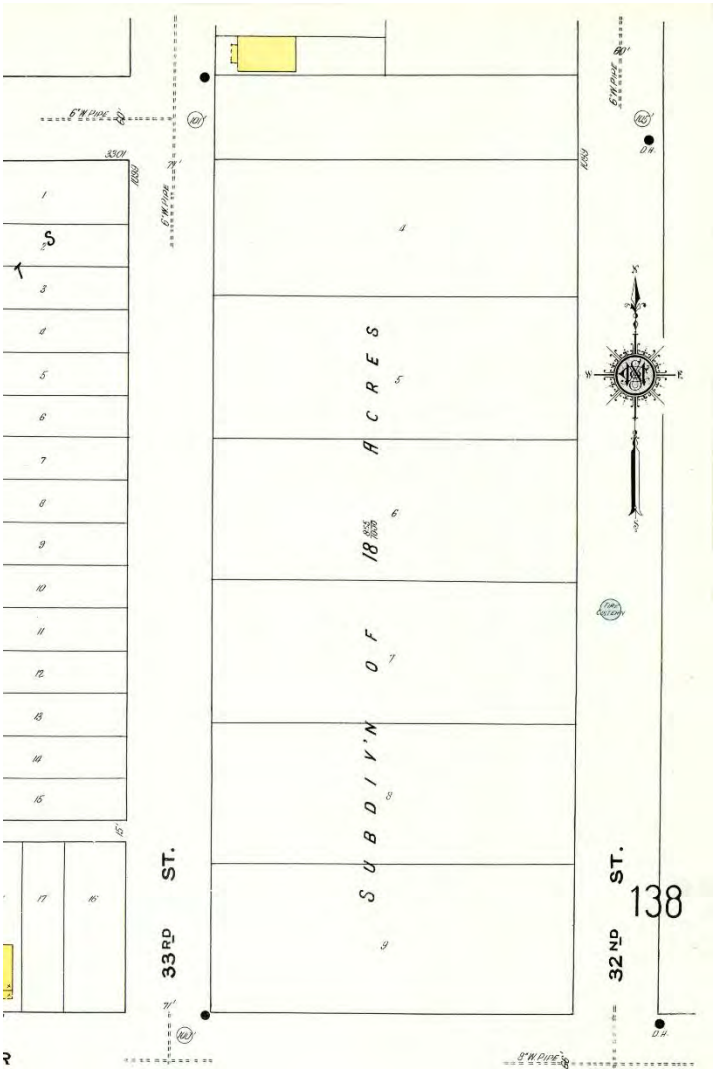


Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 9: 1910 Sanborn Map

Sanborn Map Company of New York, "Insurance Maps of Milwaukee, WI," *Sanborn Fire Insurance Maps*, (New York: Sanborn Map Company, 1910), pp.137-138.



Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 10: 1921 Aerial Photograph

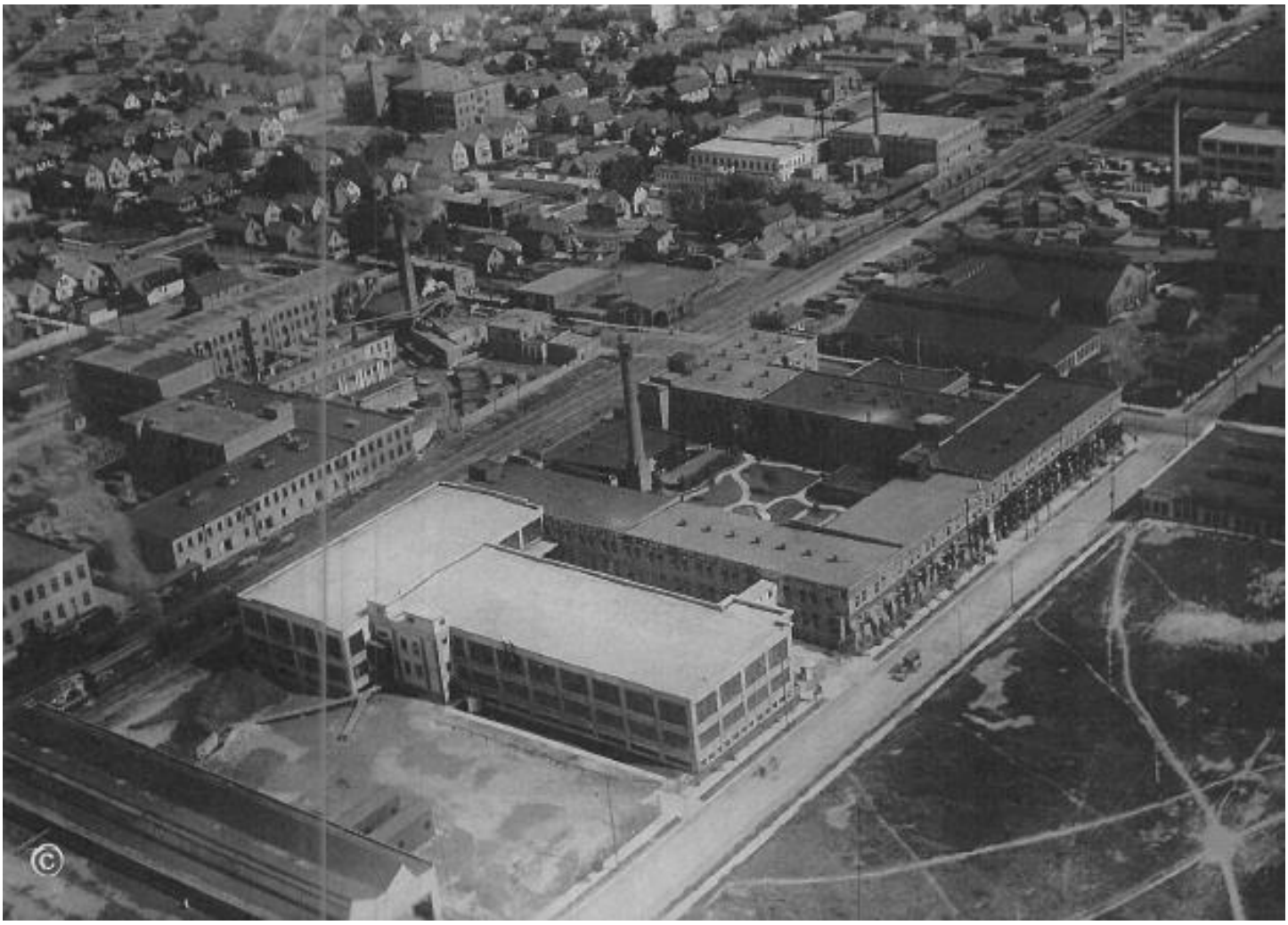
Albert F. Toepfer Aerial Photographer, "Neg. #1244: Toepfer-Westinghouse Lamp Co.," Photograph, June 1921. On file at the Milwaukee County Historical Society.

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 11: 1921 Aerial Photograph

Albert F. Toepfer Aerial Photographer, "Neg. #1245: Toepfer-Westinghouse Lamp Co.," Photograph, June 1921. On file at the Milwaukee County Historical Society.

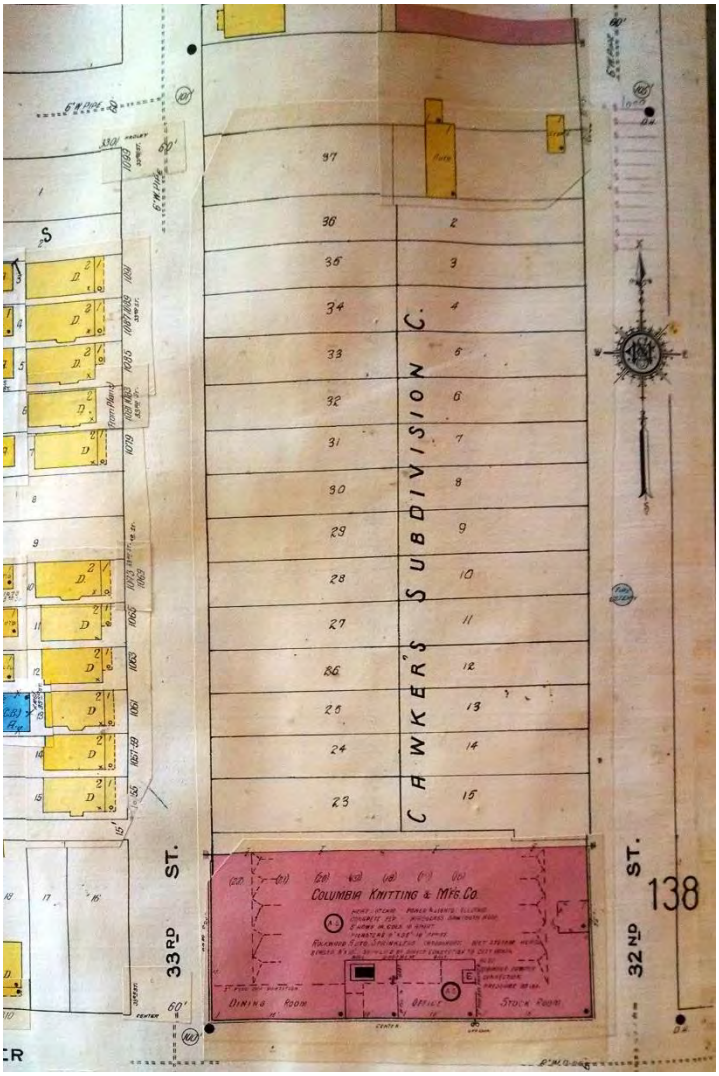


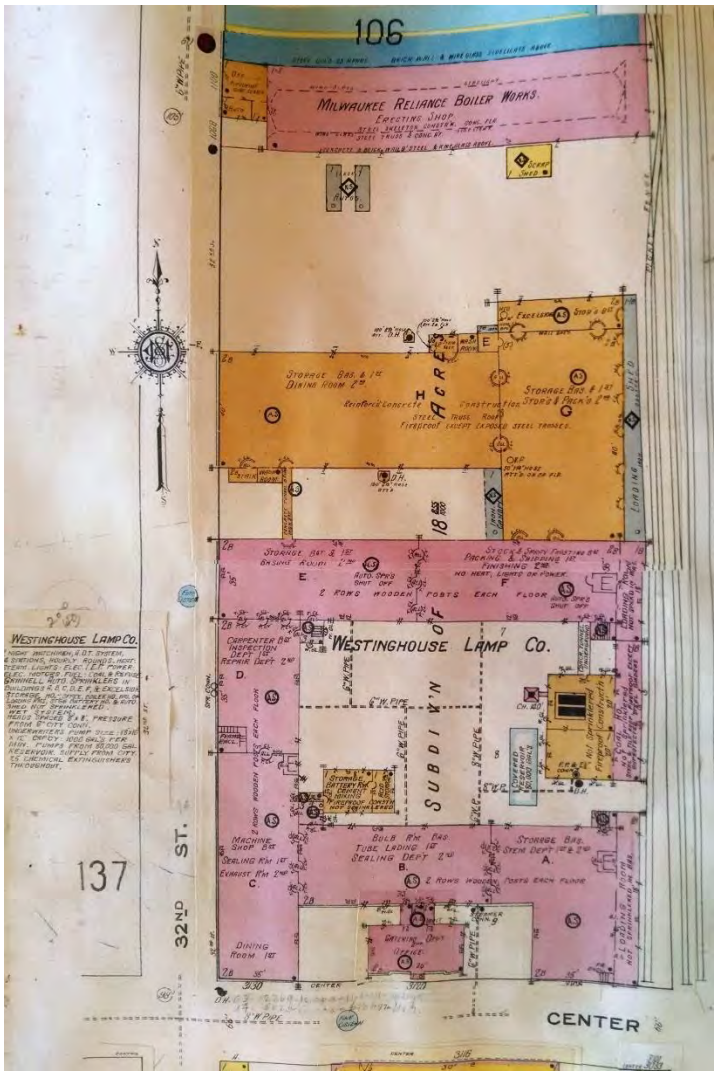
Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 12: 1910 Sanborn Map (Last Updated 1926)

Sanborn Map Company of New York , "Insurance Maps of Milwaukee, WI (Last Updated 1926)," *Sanborn Fire Insurance Maps*, (New York: Sanborn Map Company, 1910), pp. 137-138.



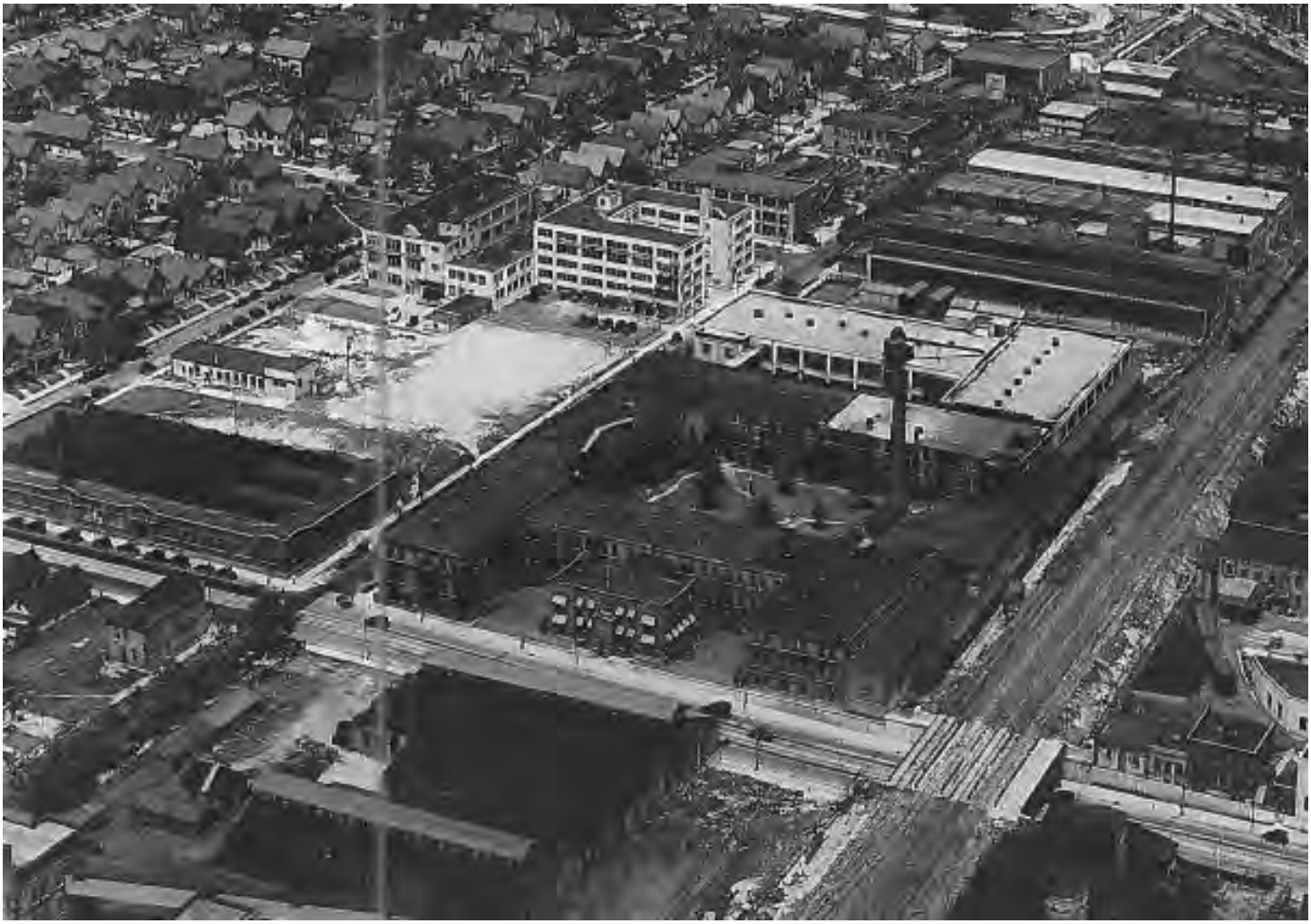


Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 13: 1930 Aerial Photograph

Fairchild Aerial Surveys, Inc. "Airview 58275: Westinghouse, Milwaukee, Wis," Photograph, June 1930. On file at the Milwaukee County Historical Society.



Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 14: Historic Photograph, ca. 1930

"Westinghouse Lamp Co. Property," Photograph, January n.d. On file at the Milwaukee County Historical Society.

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 15: Historic Photograph, ca. 1930

"North Building, 2748 N. 32nd Street: Westinghouse Lamp Company," Photograph, ca. 1932. On file at the Milwaukee County Historical Society

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

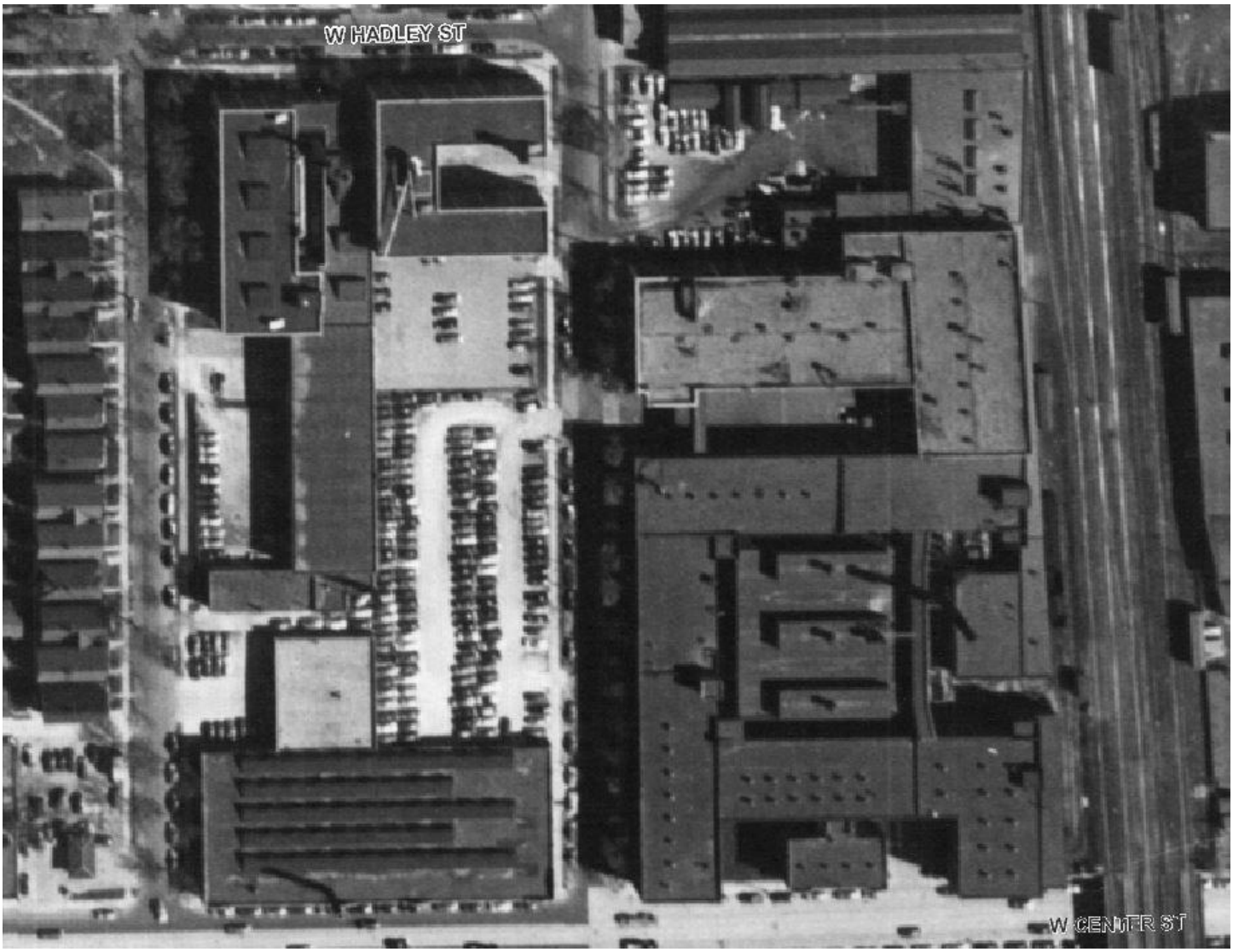
Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 16: 1937 Aerial

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 17: 1951 Aerial

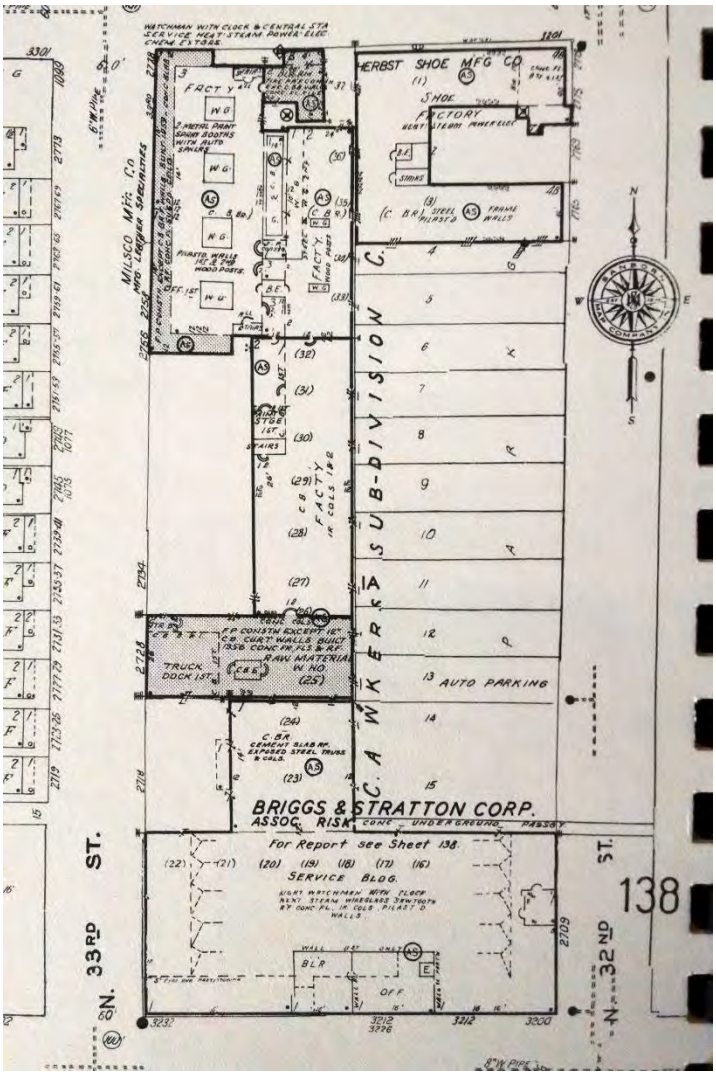


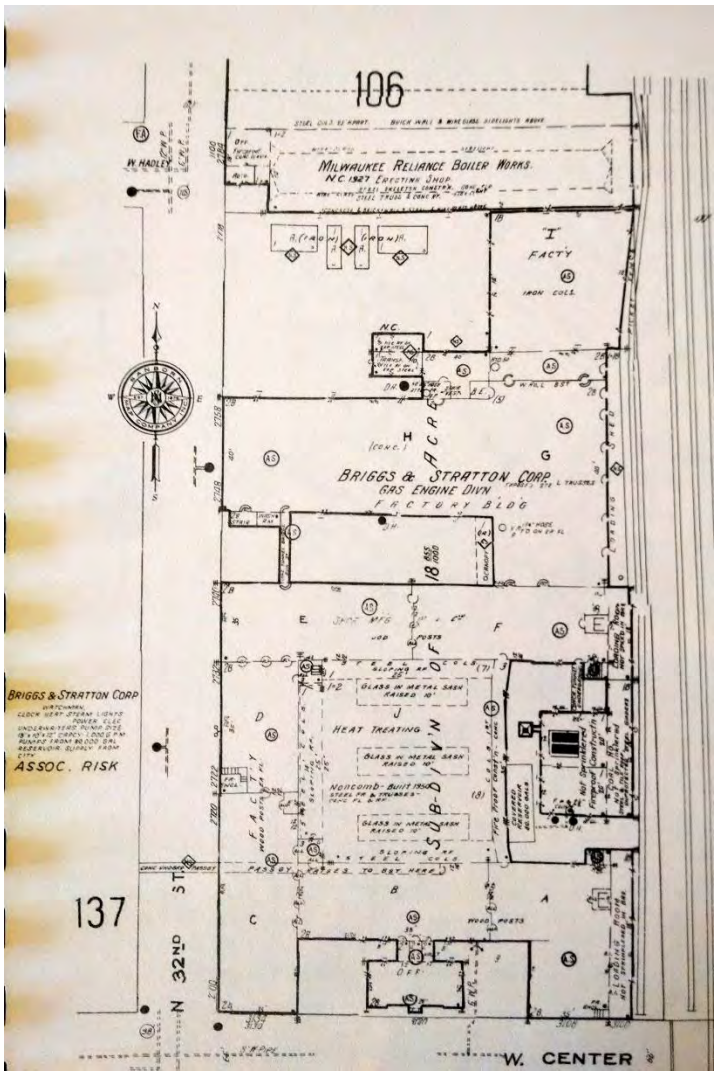
Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 18: 1910 Sanborn Map, Last Updated 1961

Sanborn Map Company of New York , “Insurance Maps of Milwaukee, WI (Last Updated 1961),” *Sanborn Fire Insurance Maps*, (New York: Sanborn Map Company, 1910), pp. 137-138.

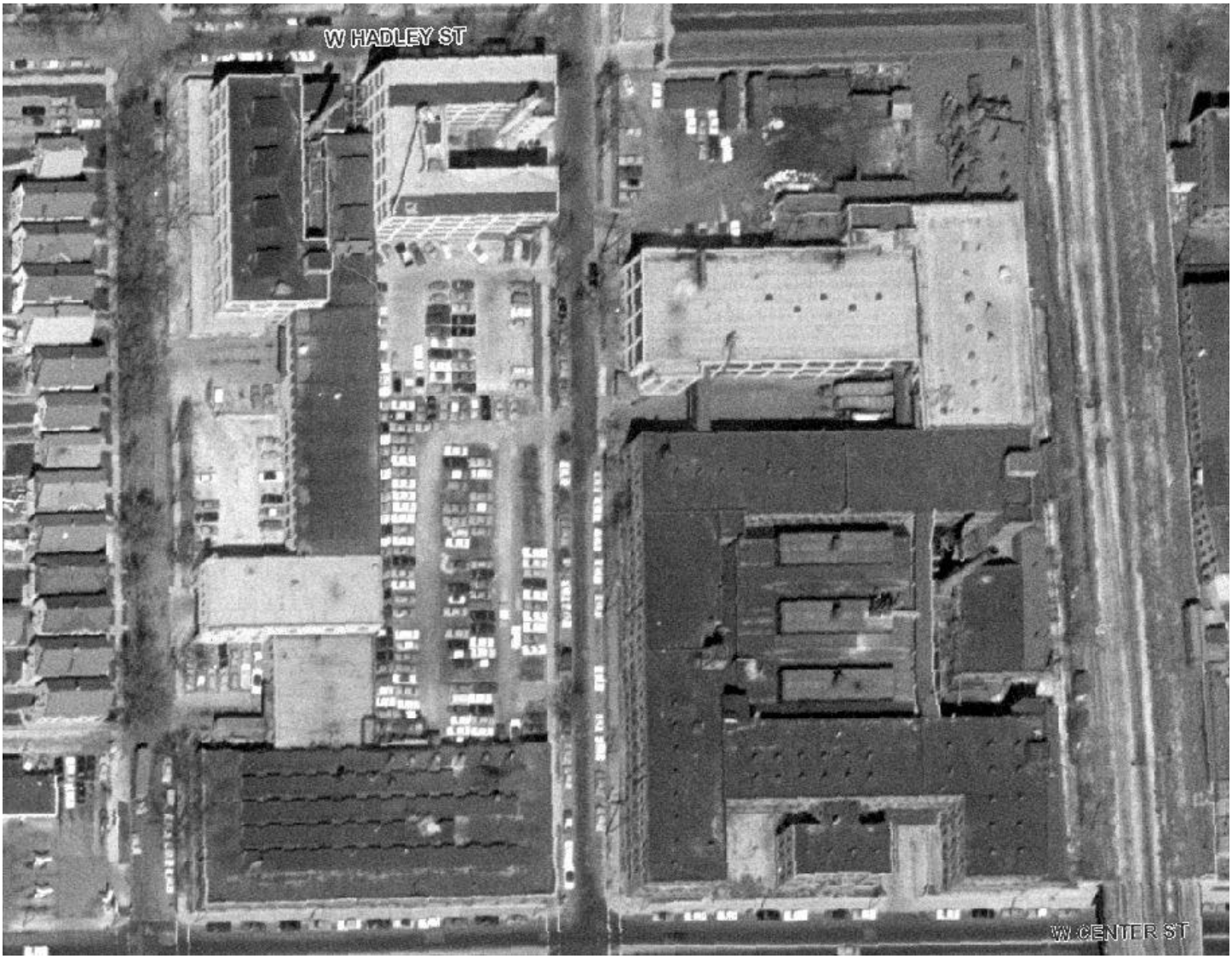




Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 19: 1967 Aerial



Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 20:

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 21:

Property name: **Briggs and Stratton Industrial Campus** **NPS Project Number**

Property address: **2758 N. 33rd St., 3212 West Center St., 2748 N. 32nd St., Milwaukee, WI 53210**

Figure 22:

Appendix C

WDNR Correspondence

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

March 29, 2021

Shane LaFave
Community Within the Corridor Limited Partnership
110 Cheshire Lane, Suite 120
Minnetonka, MN 55305

VIA EMAIL ONLY

Subject: Reported Contamination at Community Within the Corridor – West Block, 3212 W Center St., 2727 N 32nd St., & 2758 N 33rd St., Milwaukee, WI
DNR BRRTS Activity # 02-41-587376
DNR FID # 341333190

Dear Mr. LaFave:

On March 25, 2021, Robert Reineke of K. Singh & Associates, Inc., on behalf of Community Within the Corridor Limited Partnership, notified the Wisconsin Department of Natural Resources (DNR) that soil contamination and sub-slab vapor contamination were detected at the site described above.

Information submitted to the DNR regarding this site indicates Community Within the Corridor Limited Partnership is responsible for the discharge of a hazardous substance or other environmental pollution (hereafter referred to as "contamination") at the above-described site. "Site" refers to the property where the contamination occurred and any other property it has migrated to, as defined in Wisconsin Administrative Code ("Wis. Admin. Code") § NR 700.03 (56).

This letter explains how to initiate the investigation and cleanup of contamination of the site, and how to access further information and assistance from the DNR. The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs to investigate and clean up the contamination.

Legal Responsibilities:

Persons meeting the definition of "responsible party" under Wis. Admin. Code § NR 700.03 (51) must follow applicable law to address the discharge of a hazardous substance to the environment or other environmental pollution. Wisconsin Statutes ("Wis. Stat.") ch. 292 and Wis. Admin. Code chs. NR 700-799 provide specific requirements for undertaking appropriate response actions to address contamination, including requirements for emergency and interim actions, public information, site investigations, remedy selection, design and operation of remedial action systems, and case closure.

Special Vapor Intrusion Concern with Trichloroethylene:

Contamination that includes trichloroethylene ("TCE"), a chlorinated solvent and common degreaser, is of special concern from a human health perspective due to its potential for acute (short-term) health risks at relatively low concentrations in air. TCE is also a breakdown product of tetrachloroethylene

("PCE," also known as "Perc"), a historically common dry-cleaning chemical. Vapors can travel from contaminated soil or groundwater and along preferential pathways, such as within sewer lines, and enter occupied buildings. This is known as vapor intrusion (VI). Screening for VI must be conducted at every contaminated site in Wisconsin, as defined in Wis. Admin. Code § 716.11 (5) (a). **However, when TCE is present, screening for VI should be made a priority and an interim action under Wis. Admin. Code § NR 708.11 may be necessary.** For an overview on VI, see *What is Vapor Intrusion?* (RR-892). For more information, go to dnr.wi.gov and search "vapor." Additional technical guidance on VI is available in *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin,* (RR-800).

General Recommendations for Responsible Parties:

The DNR recommends that you:

1. Hire a Qualified Environmental Consultant

To ensure response actions you plan to undertake comply with Wisconsin law, you should hire an environmental consultant within **30 days,** by April 28, 2021, to meet the regulatory deadlines listed below. A delay in hiring an environmental consultant could result in you missing key submittal deadlines.

Hiring a consulting firm with staff that have the appropriate state of Wisconsin qualifications to supervise and certify the submittals is a critical component and necessary to meet your requirements. Further, an environmental consultant should be knowledgeable of Wisconsin's technical procedures and laws, and be able to answer questions regarding cleanup requirements. Required qualifications for environmental consultants are specified in Wis. Admin. Code ch. NR 712. See *Wis. Admin. Code ch. NR 712 Qualifications and Certifications* (RR-081), for more information.

2. Properly Submit Reports on Time with Required Information Included

Wisconsin law includes timeframes for submitting technical documents and conducting work, as well as specifications for what should be included in those submittals. This letter provides a general overview of the timeframes and first steps to take for site investigation and cleanup. For an overview of timing requirements, please refer to *NR 700 Process and Timeline Overview* (RR-967), enclosed.

The DNR developed the publication *Guidance for Electronic Submittals for the Remediation and Redevelopment Program* (RR-690), to assist responsible parties and consultants in properly submitting documents. Wis. Admin. Code § NR 700.11 (3g), and other specific provisions within Wis. Admin. Code ch. NR 700, outline the requirements for submittals, including electronic submittals.

3. Consider the Benefits of a Fee-based Technical Review of your Submittals

In-depth DNR review of technical reports and submittals is available for a fee. The Remediation and Redevelopment (RR) Program project managers are available throughout the process to answer general questions and provide general input as the site moves toward case closure. However, if you want a formal, written response from the DNR, a meeting with the DNR or both on a specific submittal, a review fee will be required in accordance with Wis. Admin. Code ch. NR 749. **Obtaining technical assistance from DNR project managers throughout the process is an effective way to prevent problems and delays at the end of the process when case closure is requested.** Forms, a fee schedule and further information on technical assistance is available at dnr.wi.gov by searching "brownfield fees."

Required Steps to Take and Documents to Submit:

The steps listed below serve as a general overview only — all mandatory steps and submittals specified in Wis. Admin. Code, chs. NR 700-799 must be met before the DNR can grant case closure, which is a determination by the DNR that no further cleanup is necessary at a site, as defined in Wis. Admin. Code § NR 700.03 (3m).

1. **Scoping and Work Plan Submittal – NR 716.07 and 716.09**: The law requires that you appropriately scope your site investigation and submit a work plan within **60 days of this notification,** by May 28, 2021, for completing a site investigation. The work plan must comply with the requirements in Wis. Admin. Code, chs. NR 700-799. For additional assistance, the DNR has extensive guidance on its website at dnr.wi.gov, search "site investigation scoping."

   Per Wis. Admin. Code § NR 716.07 and Wis. Admin. Code § NR 716.09, site investigation scoping and work plans should include an evaluation of the history of the site or facility, including industrial, commercial or other land uses that may have been associated with one or more hazardous substance discharges at the facility. In addition, an evaluation of the history of previous hazardous substance discharges or environmental pollution, the location of the site or facility, and its proximity to other sources of contamination must be included. Site investigation work plans should also include a sampling and analysis strategy to be used during field investigation that considers all information in the evaluation conducted under Wis. Admin. Code § NR 716.07. Emerging contaminants discharged to the environment, including perfluoroalkyl and polyfluoroalkyl substances (PFAS) and 1,4-dioxane, meet the definition of a hazardous substance or environmental pollution under Wis. Stat. § 292.01 and must be considered during site investigation scoping.

   Prior to and during a site investigation, you must evaluate whether any interim actions are needed to contain or stabilize a hazardous substance discharge or environmental pollution, pursuant to Wis. Admin. Code § NR 708.11. If you undertake an interim action (*e.g.*, free product removal), you must submit documentation of the action per Wis. Admin. Code § NR 708.15.

   As you develop the site investigation work plan, you must include an assessment of the vapor intrusion pathway. Wis. Admin. Code § NR 716.11 (5) outlines the requirements for when to evaluate for the presence of vapors in the sub-surface and in indoor air. The results and conclusions from the vapor assessment must be included in the Wis. Admin. Code § NR 716.15 site investigation report whether or not you elected to take vapor samples. *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin* (RR-800), is available to help responsible parties and their consultants comply with these requirements.

2. **Field Investigation – NR 716.11**: Following submission of the work plan, the site investigation must be started within the timeframe provided under law. The timeframe varies depending on whether you are requesting the DNR's fee-based review of the work plan. If you do not request a fee-based review of the work plan, you must initiate the field investigation within 90 days of submitting the work plan, and you may proceed with the field investigation upon DNR notification to proceed; however, if the DNR has not responded within 30 days from submittal of the work plan, you may then proceed with the field investigation. If a fee and request for DNR review of the work plan is submitted, the field investigation must begin within 60 days after receiving DNR approval.

3. **Sample Results Notification Requirements – NR 716.14**: You must report sampling results to the DNR, owners, occupants and various other parties within 10 business days after receiving the sampling results, unless a different timeframe is approved by the DNR, in accordance with Wis. Admin. Code § NR 716.14.

4. **Site Investigation Report – NR 716.15**: Within 60 days after completion of the field investigation and receipt of the laboratory data, the law requires you to submit a Site Investigation Report (SIR) to the DNR. As part of the SIR or in the Remedial Actions Options Report (RAOR), if there is soil contamination, the responsible party shall identify the current land use (*i.e.*, industrial or non-industrial) and zoning for the site or facility in accordance with Wis. Admin. Code § NR 720.05 (5). Also, as part of the SIR or in the RAOR, you must include any interim action report that may be required under Wis. Admin. Code § NR 708.15.

5. **Remedial Actions Options Report – NR 722**: Within 60 days after submitting the SIR, the law requires you to submit a RAOR. The selected remedy in the RAOR should include an evaluation of green and sustainable remediation criteria, as appropriate, as required by Wis. Admin. Code § NR 722.09 (2m). This may be submitted as part of a broader SIR.

6. **Remedial and Interim Action Design, Implementation, Operation, Maintenance and Monitoring Reports – NR 724**: Unless otherwise directed by the DNR, the responsible party shall submit all plans and reports required by Wis. Admin. Code ch. NR 724.

7. **Notification of Residual Contamination or Continuing Obligations – NR 725**: In situations where notification is required, the responsible party must provide a submittal(s) that confirms that continuing obligations have been identified and affected property owners have been notified by the responsible parties 30 days prior to case closure, as required by Wis. Admin. Code ch. NR 725 and § NR 726.13 (1) (d).

8. **Semi-Annual Reporting – NR 700.11**: Wis. Admin. Code § NR 700.11 (1) (a) requires responsible parties to submit semi-annual site progress reports to the DNR until case closure is granted. The reports summarize the work completed over six months and additional work planned to adequately complete the response action at the site. Consultants may submit these reports on behalf of responsible parties. These reports are due in January and July of each year. Please refer to DNR publication *NR 700 Semi-Annual Site Progress Report* (RR-082), for more information.

Submittals required under Wis. Admin. Code chs. NR 700-799

These documents, as applicable, must be submitted to the DNR prior to the responsible party requesting case closure, unless otherwise directed by the DNR:

- ☐ Ch. NR 708 reports and documentation for any immediate or interim actions.
- ☐ Ch. NR 712 professional certifications and signatures are included with applicable submittals.
- ☐ Ch. NR 716 work plan(s) and site investigation report.
- ☐ Ch. NR 722 remedial action options report (exception is for Dry Cleaners Environmental Response Fund sites), with the selected remedial action identified.
- ☐ Ch. NR 724 design, construction documentation, operation, maintenance and monitoring plans and reports, including vapor mitigation commissioning.
- ☐ Ch. NR 725 submittal(s) that confirms that continuing obligations have been identified and affected property owners have been notified by the responsible parties 30 days prior to requesting case closure.
- ☐ If requesting case closure, the Ch. NR 726 case closure form and documentation substantiating compliance with the NR 700 rule series.
- ☐ Ch. NR 749 fees have been paid, as applicable, including closure and database fees.
- ☐ Ch. NR 700 semi-annual site progress reports starting six months after notification.

Additional Information:

The DNR tracks information on all cleanup sites in a DNR database available at dnr.wi.gov, search "BOTW." The Bureau for Remediation and Redevelopment Tracking System (BRRTS) identification number for this site is listed at the top of this letter. You may view information related to your site on this database at any time.

All correspondence regarding this site should be directed to:

Theadora Jorgensen
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Dr.
Milwaukee, WI 53212
theadora.jorgensen@wisconsin.gov

To speed up processing, your correspondence should reference the BRRTS and Facility Identification (FID) numbers (if assigned) listed at the top of this letter.

Submittals required under the NR 700 rule series should be sent to the DNR using the RR Program Submittal Portal at dnr.wi.gov, search "RR submittal portal" (https://dnr.wi.gov/topic/Brownfields/Submittal.html). Questions on using this portal can be directed to the contact below or to the environmental program associate (EPA) for the regional DNR office. Visit dnr.wi.gov, search "RR contacts" and select the EPA tab (https://dnr.wi.gov/topic/Brownfields/Contact.html).

Please visit the DNR's Remediation and Redevelopment Program web page at dnr.wi.gov, search "Brownfields" for information on selecting a consultant, seeking financial assistance, and understanding the investigation and cleanup process. Information regarding review fees, liability clarification letters, post-cleanup liability and more is also available.

If you have questions, please call the DNR Project Manager Jane Pfeiffer at (414) 435-8021 or Program Associate Theadora Jorgensen at (414) 639-4188 for more information.

Thank you for your cooperation.

Sincerely,

Theadora Jorgensen
Environmental Program Associate
Remediation & Redevelopment Program
Southeast Region

Enclosures:

RR-967, *NR 700 Process and Timeline Overview*
https://dnr.wi.gov/files/PDF/pubs/rr/RR967.pdf

RR-502, *Selecting a Consultant*
http://dnr.wi.gov/files/PDF/pubs/rr/RR502.pdf

RR-024, *Environmental Services Contractor List*
http://dnr.wi.gov/files/PDF/pubs/rr/RR024.pdf

RR-506, *VPLE Fact Sheet #2*
http://dnr.wi.gov/files/PDF/pubs/rr/RR506.pdf

RR-674, *Environmental Contamination Basics*
http://dnr.wi.gov/files/PDF/pubs/rr/RR674.pdf

RR-082, *NR 700 Semi-Annual Site Progress Report*
https://dnr.wi.gov/files/PDF/pubs/rr/RR082.pdf

RR-081, *Wis. Admin. Code ch. NR 712 Qualifications and Certifications*
https://dnr.wi.gov/files/PDF/pubs/rr/RR081.pdf

Form 4400-237, *Technical Assistance and Environmental Liability Clarification Request*
http://intranet.dnr.state.wi.us/formscatalog/ffDispFormImage.aspx?FormID=943

RR-892, *What is Vapor Intrusion?*
https://dnr.wi.gov/files/pdf/pubs/rr/rr892.pdf

cc: Robert Reineke – K. Singh & Associates, Inc.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212-3128

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

June 1, 2021

Roers Companies
c/o: Mr. Shane LaFave
110 Cheshire Lane
Suite 120
Minnetonka, MN 55305

Subject: Technical Assistance Provided
Community Within the Corridor – West Block
3212 W Center St., 2727 N 32nd St., & 2758 N 33rd St., Milwaukee, WI
BRRTS #: 02-41-587376, FID #: 341333190

Dear Mr. LaFave:

On May 3, 2021, the Wisconsin Department of Natural Resources (DNR) received *Pressure Field Extension Testing and Vapor Mitigation System Feasibility Study*, dated April 27, 2021, prepared on your behalf by K. Singh and Associates, Inc. (K. Singh) for the above-referenced site. This submittal was presented with a Technical Assistance fee of $700 for DNR review and response. On May 18, 2021, the DNR requested additional information regarding the potential sources of contamination at this site, and on May 19, 2021, the additional information was received (collectively, the Report). In the Report, K. Singh presents recently collected data pertaining to the site investigation and proposes a vapor mitigation system (VMS) design plan.

The DNR reviewed the site investigation portion of the Report for regulatory compliance with Wis. Admin Code ch. NR 716 and the remedial action portion of the Report for regulatory compliance with Wis. Admin. Code chs. NR 722 and NR 724. The DNR's comments, as presented below, provide you with recommendations for additional site investigation to complete the delineation of the extent and degree of contamination at this site, which must be completed prior to case closure, per Wis. Admin. Code ch. NR 716. Furthermore, the results of a complete site investigation must be applied when evaluating remedial action options. Remedial actions are required to prevent any threat to public health, safety, welfare and the environment.

Similar to the DNR's review of your proposals for the Community Within the Corridor – East Block (BRRTS #: 02-41-263675), as outlined in the *Review of Remedial Action Design Report* DNR letter dated April 9, 2021, the DNR is unable to approve the vapor mitigation plan (VMS) design plan until remedial actions are evaluated and proposed. The DNR understands that a strict construction schedule has been established for this site, nevertheless, this activity must follow the Wis. Admin. NR 700 code series to entirely investigate and remediate the environmental contamination on site to ensure protective conditions for the citizens that will reside in and utilize this residential and community-oriented project.

Background

The site is made up of three parcels, which total approximately 2.83 acres, and is covered by paved parking lots and driveways, greenspaces and a multi-building facility (the building) that was constructed in the early 1900s. The site has been used for various industrial purposes, such as manufacturing activities that may have included painting, degreasing activities, and leather working, for over the past 100 years. A *Notification of Hazardous Substance Discharge* was received by the DNR on March 25, 2021, for soil and sub-slab vapor contaminated with chlorinated volatile organic compounds (CVOCs) and/or polychlorinated biphenyls (PCBs). The source of contamination was identified as the general former industrial use of the building. Construction began in February 2021 to redevelop the site into an affordable housing and commercial complex that is a part of the Community Within the Corridor project.

Site Investigation Summary

In preparation for site redevelopment, K. Singh performed a Phase I Environmental Site Assessment (ESA), and subsequently performed a Phase II ESA. The Phase II ESA identified CVOCs in soils greater than the Wis. Admin. Code ch. NR 720 residual contaminant levels (RCLs). Following the Phase II ESA, K. Singh conducted additional soil and sub-slab vapor sampling throughout the building, which identified soil RCL exceedances in addition to residential, small-commercial and industrial VRSL exceedances of petroleum VOCs (PVOCs), CVOCs and/or PCBs. The DNR received the *Site Investigation Work Plan* (SIWP) on March 31, 2021, without a fee for DNR review and response. The SIWP presents a plan for additional soil, groundwater and vapor investigation at the site. As indicated in the Report, the proposed investigation activities are currently underway.

Site Investigation Review

Wis. Admin. Code ch. NR 716 provides the requirements for conducting a site investigation. In summary, the required steps to follow include 1) collecting and evaluating information to scope the investigation, 2) preparing a site investigation work plan, 3) conducting the field investigation, and 4) preparing a site investigation report. Investigative activities have occurred at this site, but additional site investigation, per Wis. Admin. Code ch. NR 716, which is based on and supports a conceptual site model, is required, as outlined below:

I. Source identification (scoping the investigation)

Wis. Admin. Code § NR 716.01 states that the site investigation must define the extent and degree of contamination and identify the source(s) of contamination. Furthermore, Wis. Admin. Code § NR 716.07(1) requires that the history of the site or facility, including industrial land uses that may have been associated with one or more hazardous substance discharges, be evaluated.

A. The Report presents a limited discussion of the potential sources and how these correspond with the data collected during investigation activities to-date. Provide a more thorough discussion of potential sources of contamination which considers the site data and is related to a conceptual site model.

B. The Phase I ESA indicates that there is evidence of historical degreasers identified at the 2758 North 32nd Street parcel. Provide additional details regarding where the degreasers were located, the duration of time that they were used and the historical operations that they may be associated with. Consider the contamination identified at the site to-date and discuss whether may be related the historical degreasers. Provide a figure showing the locations of the historical degreasers.

C. Evaluation of emerging contaminants

On August 24, 2020, the DNR received *Environmental Investigation Memorandum for Community Within the Corridor* (PFAS Report) prepared on your behalf by K. Singh, which presents PFAS soil analytical results related to this site and the Community Within the Corridor – East Block site. However, an evaluation, as described below, was not provided.

Wis. Admin. Code §§ NR 716.07, NR 716.09 requires that site investigation scoping and work plans include an evaluation of potential perfluoroalkyl and polyfluoroalkyl substances (PFAS) and other applicable emerging contaminants that were historically or are presently produced, used, handled, or stored at the site.

1. Provide an evaluation of emerging contaminants, and include any available information on whether the historical site operations used any products containing PFAS in any process services, the duration of PFAS containing product use, the type of PFAS contained in the product, and any areas of the site where PFAS-containing products may have been used, stored, managed, or discarded. This evaluation should consider and incorporate the extent and degree of contamination that has been identified at the site and discuss whether the data indicates that there were discharges related to any of the historical site operations that may have used PFAS containing products. Specifically discuss the individual types of manufacturing operations involved in the historical operations - painting, degreasing, leather working, etc. You may reference the August 17, 2020, DNR letter titled, *Reminder to Include Evaluation of Emerging Contaminants in Site Investigation*, for additional details on this requirement.

2. Discuss how this emerging contaminant evaluation relates to the results presented in both the PFAS Report and the Report. Discuss whether additional PFAS or other emerging contaminant investigation is required given the data presented in the Report. Provide a work plan as needed.

II. Degree and extent of contamination in all affected media (field investigation)

Wis. Admin. Code § NR 716.11(3)(a) requires the field investigation to determine the nature, degree and extent, both areal and vertical, of the hazardous substances or environmental pollution in all affected media.

A. Soil

1. Additional soil investigation is needed to define the degree and extent of soil contamination. This additional investigation should focus on the potential source areas and should consider the site investigation analytical results identified to-date.

B. Groundwater

1. Additional groundwater investigation is needed to define the degree and extent of groundwater contamination. This additional investigation should focus on the potential source areas and should consider the site investigation analytical results identified to-date.

C. Vapor

1. The sub-slab vapor investigation is incomplete. Please see the vapor mitigation section below for more discussion on this topic.

2. A robust indoor air sampling program will be required following the installation of the VMS and after the interior construction is complete and the heating, ventilation and air conditioning (HVAC) systems are operational.

III. Submitting site investigation information (site investigation report)

Wis. Admin. Code § NR 716.15 requires that a site investigation report be submitted to the DNR within 60 days after completion of the field investigation and receipt of laboratory data. As you are aware based on the work conducted at this site thus far, the site investigation can be an iterative process and data results may indicate further assessment is needed to define the degree and extent of contamination. Although work status update information and field data notifications may be submitted to the DNR throughout the field investigation phase, it is expected that each submittal evaluating results and recommending additional work builds on previous site information, therefore developing and maintaining the comprehensive site investigation reporting up to submittal of the final comprehensive site investigation report.

Next Steps - Remedial Action & Mitigation

Wis. Admin. Code § NR 722.05(4)(a) states that responsible parties shall identify, evaluate, and document an appropriate range of remedial action options to address each contaminated medium when a site investigation report is completed in accordance with Wis. Admin. Code ch. NR 716. As previously stated, the DNR understands that the site redevelopment has a strict construction schedule and that any remedial actions taken at this time may act as the final remedy proposed for case closure. Therefore, remedial actions must be considered and implemented as soon as possible to help to establish protective conditions for the citizens that will reside in and utilize this residential and community-oriented redevelopment. The DNR cannot approve the VMS design plan presented in the Report as part of a final remedial strategy at this time, because the site investigation is not complete, and no remedial actions have been proposed. Based on the DNR's review of the Report, the following recommendations and feedback are provided to assist with remedial actions options evaluation(s):

I. Vapor

Wis. Admin Code § NR 726.05(8)(b) states that prior to case closure, any site where vapors are present above their respective VRSLs must complete a remedial action to reduce the mass and concentration of volatile organic compounds (VOCs) to the extent practical. Additionally, the vapor exposure pathway must be interrupted or mitigated.

A. Remedial Action

1. Considering site investigation conducted to-date has identified sub-slab vapor contamination greater than its applicable VRSLs, propose a remedial action to reduce the mass and concentration of contamination at this site. Additionally, provide an estimate for the mass of contamination that will be removed during the proposed remedial action(s). The DNR recommends that remedial actions be considered for building 7, since site investigation has identified the highest known concentration of PCE in the sub-slab

vapors and soils in building 7. Please note that the DNR does not consider vapor mitigation an active remedy.

B. Mitigation

1. Only one round of sub-slab vapor sampling has occurred to-date. Additional sub-slab vapor sampling is required to demonstrate that the VMS is not necessary to mitigate the entire footprint of the building. The DNR recommends that two to three consecutive rounds of vapor sampling identify contaminant concentrations below their applicable VRSLs (i.e., residential, small-commercial or industrial) prior to ruling out an area of the building for vapor mitigation. Therefore, either expand the VMS to include the entire building footprint or conduct additional vapor sampling to help to define the extent and degree of sub-slab vapor contamination at this site. For additional guidance on vapor investigation and mitigation you may reference DNR guidance document RR-800, *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin*.

Documentation

The following documentation issues must be addressed in future submittals:

II. Revise the soil data tables to specifically indicate which type of soil RCL exceedance (i.e., soil to groundwater pathway, non-industrial direct contact and industrial direct contact) exists for each constituent at each sample interval.

III. Revise the vapor data tables to display all applicable VRSLs (i.e., residential, small-commercial and industrial).

IV. Display applicable vapor detections on the vapor figures. If all the identified vapor detections do not fit on a given figure, then you may limit the detections that are included on a given figure to the contaminants of concern and the contaminants whose identified concentrations are close in value to their applicable VRSLs.

Schedule

In consideration of administrative code requirements, the DNR is requesting the implementation of the following schedule:

- Per Wis. Admin. Code § NR 716.14, submit all sampling results within 10 days of receiving laboratory data.
- Per Wis. Admin. Code § NR 708.15, submit an interim action report (IAR) describing the interim actions taken at this site following the completion of additional vapor investigation and/or remediation. This should include information regarding activities conducted to-date, the activities requested above, and an operation, maintenance and monitoring (OMM) plan.
- Per Wis. Admin. Code § NR 716.09(1), submit an updated site investigation work plan within 45 days of the date of this letter, by July 16, 2021, that incorporates the DNR's review of site investigation, as presented above.
- Per Wis. Admin Code § NR. 716.15, submit a site investigation report within 60 days after the completion of the field investigation and receipt of the laboratory data.

The DNR appreciates the actions you are taking to restore the environment at this site. If you have any questions concerning this site or this letter, please contact me, the DNR Project Manager, at (414) 435-8021, or by email at jane.pfeiffer@wisconsin.gov.

Sincerely,

Jane Pfeiffer

Jane K. Pfeiffer
Project Manager – Hydrogeologist
Remediation & Redevelopment Program

cc: Mr. Que El-Amin, Scott Crawford, Inc., que@scott-crawford.com – electronic copy
Mr. Robert Reineke, K. Singh & Associates, Inc., rreineke@ksinghengineering.com – electronic copy
Dr. Pratap N. Singh, K Singh & Associates, Inc., psingh@ksinghengineering.com – electronic copy

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1027 West St. Paul Avenue
Milwaukee, WI 53233

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

July 9, 2021

VIA EMAIL

Roers Companies
c/o: Mr. Shane LaFave
shane@roerscompanies.com
110 Cheshire Lane
Suite 120
Minnetonka, MN 55305

Subject: Technical Assistance Provided – Review of Remedial Action Design Plan
Community Within the Corridor – West Block
3212 W Center St., 2727 N 32nd St., & 2758 N 33rd St., Milwaukee, WI
BRRTS #: 02-41-587376, FID #: 341333190

Dear Mr. LaFave:

On July 6, 2021, the Wisconsin Department of Natural Resources (DNR) received *Proposed Modification of Remedial Action Plan / Vapor Mitigation System* (the Report) with a Technical Assistance fee of $700 for DNR review and response for the above-referenced site. The Report was prepared on your behalf by K. Singh & Associates, Inc. (K. Singh). The Report was submitted in response to the DNR's *Technical Assistance Provided* letter, dated June 1, 2021. The DNR reviewed the Report for regulatory compliance with Wis. Admin. Code chs. NR 722 and NR 724, and grants a conceptual approval of the remedial action design plan and provides you with recommendations and feedback pertaining to the plan, as detailed below.

Summary of Remedial Action Design Plan

The Report presents additional information and revisions in response to the remedial action review portion of the June 1, 2021, DNR letter. More specifically, the Report includes an expanded vapor mitigation system (VMS) design to include the entire building footprint for buildings 7, 8A and 8B. The purpose of the VMS is to mitigate vapors in the building through sub-slab depressurization. K. Singh plans to perform additional sub-slab vapor sampling in the basement areas (including building 8A) and in buildings 4, 5 and 6 in Summer 2021 and in Winter 2021/2022, after the heating system is active, to further investigate the vapor intrusion pathway and to help to verify the necessary extent of the VMS throughout the entire site building.

Additionally, the report presents a plan to perform a remedial soil excavation to reduce the mass and concentration of the identified contamination in building 7 in the vicinity of soil sample location WB-Int-7, which identified the highest known concentration of tetrachloroethylene (PCE) in the soils at this site. The area of excavation will encompass approximately 930 square feet and K. Singh estimates that 0.54 pounds of tetrachloroethylene (PCE) will be removed as a result of the excavation. The Report indicates that the soil will be excavated to approximately 6 inches below ground surface and will be replaced with granular fill, which may help to accentuate the effectiveness of the VMS.

Review of Remedial Action Design Plan

Based on the DNR's review of the updated remedial action design plan, as presented in the Report, the DNR provides the following recommendations and feedback:

I. Remedial Action

a. The DNR recommends vertically expanding the area of proposed remedial soil excavation in building 7, as this will increase the likelihood that a greater amount of mass and concentration of contamination is removed.

b. The soil that is excavated from this site must be properly characterized for disposal, per the Wis. Admin. Code NR 600 code series.

c. The DNR concurs that confirmation samples should be collected during the remedial soil excavation to help to define the extent and degree of soil contamination beneath building 7.

d. On June 15, 2021, the DNR received *Soil Quality Summary*, prepared by K. Singh on your behalf, which presents soil data that was collected in May 2021. This document indicates that one soil probe will be advanced in buildings 4, 7 and 8A to approximately 10 ft bgs to help to define the vertical extent of soil contaminated with chlorinated volatile organic compounds (CVOCs) beneath these buildings. Furthermore, this document indicates that two exterior soil probes will be performed adjacent to building 7 to approximately 10 ft bgs to help to define the vertical extent of soil contaminated CVOC impacts adjacent to building 7. The DNR concurs with this plan and recommends the following:

i. Additional soil sample locations should be considered within the area of the remedial soil excavation in building 7 and the area of the wood floor removal in building 8A, as these areas will be more assessible for sampling during these remediation and redevelopment activities.

ii. The proposed soil samples within the building footprint should be analyzed for polychlorinated biphenyls (PCBs) in addition to CVOCs, considering PCBs exceeding their applicable Wis. Admin. Code ch. NR 720 residual contaminant levels have been identified to be widespread within the shallow soils beneath the building footprint.

II. Mitigation

a. The DNR concurs with the sub-slab vapor sampling plan presented in the Report. The extent of the VMS within the site building must be re-evaluated to consider the additional sub-slab vapor data and must be expanded, as applicable. As you evaluate the additional sub-slab vapor data, please note that, because there will be a childcare facility inside of building 4, the applicable vapor exposure scenario for building 4 is the residential vapor exposure scenario.

b. Based on recent phone conversations between the DNR and K. Singh, the DNR understands that K. Singh is considering installing a 10-mil vapor barrier in select locations beneath the site building instead of the 50-mil barrier that is proposed in the Report. The DNR recommends that K. Singh install a more protective vapor barrier than a 10-mil vapor barrier. Additionally, the vapor barrier should be sealed to the foundation features, any utility piercing, and all elevator or

stairwell pits or sumps of the building to promote the effectiveness of the barrier. All seals should be tested in an appropriate manner to assure seals are properly performing.

Next Steps

In consideration of administrative code requirements, the DNR is requesting the implementation of the following schedule:

- Per Wis. Admin. Code § NR 716.14, submit all sampling results within 10 days (on appropriately formatted tables) of receiving laboratory data.
- Per Wis. Admin. Code § NR 724.11, submit a commissioning plan that includes a robust indoor air sampling plan to demonstrate that vapor action levels are not exceeded in the indoor air, per Wis. Admin. Code § NR 726.05(4). You may reference RR-800, *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin*, for commissioning guidelines. Submit the applicable review fee if you would like to request DNR review of and response to the commissioning plan.
- Per Wis. Admin. Code § NR 724.13, submit an operation and maintenance plan following the implementation of the remedial actions.
- Per Wis. Admin. Code § NR 724.15, submit a construction documentation or as—built report within 60 days after the date that construction of the remedial action is completed or determined to be essentially complete by the DNR. This report should include documentation of the commissioning of the system.

The DNR appreciates the actions you are taking to restore the environment at this site. If you have any questions concerning this site or this letter, please contact me, the DNR Project Manager, at (414) 435-8021, or by email at jane.pfeiffer@wisconsin.gov.

Sincerely,

Jane Pfeiffer

Jane K. Pfeiffer
Project Manager – Hydrogeologist
Remediation & Redevelopment Program

cc: Mr. Que El-Amin, Scott Crawford, Inc., que@scott-crawford.com – electronic copy
Mr. Robert Reineke, K. Singh & Associates, Inc., rreineke@ksinghengineering.com – electronic copy
Dr. Pratap N. Singh, K Singh & Associates, Inc., psingh@ksinghengineering.com – electronic copy

Appendix D

Sampling Procedures / General Conditions

GENERAL CONDITIONS -- DATA COLLECTIONS

Field sampling techniques were employed in this investigation to obtain the data presented in the final boring logs and in the report in accordance with ASTM D 420-18, D 1452-16, and D 1586-18 (where applicable).

The drilling method utilized in some of the borings is a dry process, machine rotary auger type, which advances hollow threaded steel auger flights in five foot lengths. This method creates a continuously cased test hole that prevents the boring from caving in above each level of substrata to be tested. Sampling tools are lowered inside the hollow shaft for testing in the relatively undisturbed soils below the lead auger.

Sampling in the cohesionless and cohesive soils is performed by driving a standard split-barrel tool (split spoon) with a 140 pound weight falling thirty inches. The number of blows required to advance the tool in two, six-inch increments following seating were recorded on the final boring logs under the "Blow Counts" column, referring to the Standard Penetration Test (ASTM D 1586-18).

The sampling method utilized in some of the soil probes is a dry process, geoprobe type, which advances a 2" steel tube containing a plastic four-to-five-foot sampling tube. The sampling is continuous, with the sampling tube being hydraulically pushed deeper into the substrata four-to-five-feet per sample, in accordance with ASTM D 1587-08(2012)e1. Samples are then brought to the surface for study.

Samples were brought to the surface, examined by the field staff and sealed in containers (or sealed in the tubes) to reduce loss of moisture. They were returned to laboratory for final classification per ASTM D 2487-17el methods. Some samples were subjected to tests as described in the text of the report.

A field log was prepared for each boring by the field staff during on-site operations in order to record field occurrences, sampling intervals and groundwater observations. The field logs are not included in the report because they do not represent the Engineer's final opinions or interpretations.

A final log of each test pit or boring was prepared by the writer of the report or the Engineer's staff. Each final log contains the writers' interpretation of the field conditions or changes in substrata between recovered samples based on the field data received along with the laboratory test data obtained following the field work or on subsequent site observations. The final logs were prepared by assembling and analyzing field and laboratory data. Therefore, the final logs contain both factual and interpretive information. Our opinions are based on final logs, not the field logs.

The final logs list boring methods, sampling methods, depths sampled, amounts of recovery in sampling tools, indications of the presence of subsoil types and groundwater level observations. Depths are reported in feet. Amounts of recovery are reported in inches in the column marked "Length Att. & Recovered (in)". The horizontal lines on the final logs which designate the interface between successive layers represent approximate boundaries. The transition between strata was typically gradual.

We caution that the final boring logs alone do not constitute the report, and as such they should not be excerpted from the other appendix exhibits nor from any of the written text. Without the written report it is possible to misinterpret the meaning of the information reported on the final logs. If the reports are to be reproduced for bidding or reference purposes, the entire numbered report and appendix exhibits should be bound together as a separate document or as a section of a specification booklet, including all maps.

Pocket penetration tests taken in the field or on samples examined in the laboratory are listed on the final boring logs in a column marked "Compressive Strength". These tests were performed only to indicate relative stiffness in consistency between successive layers of cohesive soil. It is not recommended that the listed values be used to determine allowable bearing capacities. Bearing capacities of soils are determined by the Engineer using laboratory testing methods as described in the text of the report.

Groundwater observations were made with cloth-tape measurements in the open drill holes by field personnel at the times and dates stated on the final logs. It must be noted that fluctuations may occur in the groundwater level due to variations in rainfall, seasonal temperature, nearby site improvements, underdrainage, wells, severity of winter frosts, overburden weights and permeability of the subsoils. Because variations may be expected, final designs and construction planning should allow for the need to be temporarily dewater excavations or subsoils.

LOG OF TEST BORING

GENERAL NOTES

Descriptive Soil Classification

GRAIN SIZE TERMINOLOGY

Soil Fraction	Particle Size	U.S. Standard Sieve Size
Boulders	Larger than 12"	Larger than 12"
Cobbles	3" to 12"	3" to 12"
Gravel: Coarse	3/4" to 3"	3/4" to 3"
Fine	4.78mm to 3/4"	#4 to 3/4"
Sand: Coarse	2.00mm to 4.78mm	#10 to #4
Medium	0.42mm to 2.00mm	#40 to #10
Fine	0.074mm to 0.42mm	#200 to #40
Silt	0.005mm to 0.074mm	Smaller than #200
Clay	Smaller than 0.005mm	Smaller than #200

*Plasticity characteristics differentiate between silts and clay.

GENERAL TERMINOLOGY

Physical Characteristics:
Color, moisture, grain shape, fineness, etc.
Major Constituents:
Clay, silt, sand, gravel
Structure:
Laminated, varved, fibrous, stratified, cemented, fissured, etc.
Geologic Origin:
Glacial, alluvial, solian, residual, etc.

ORGANIC CONTENT BY COMBUSTION METHOD

Soil Description	Loss on Ignition
Non Organic	Less than 4%
Organic Silt/Clay	4-12%
Sedimentary Peat	12-50%
Fibrous and Woody Peat	More than 50%

CONSISTENCY

Term	q tons/sq. ft.
Very Soft	0.0 to 0.25
Soft	0.25 to 0.50
Medium	0.50 to 1.0
Stiff	1.0 to 2.0
Very Stiff	2.0 to 4.0
Hard	Over 4.0

PLASTICITY

Term	Plastic Index
None to Slight	0-4
Slight	5-7
Medium	8-22
High to Very High	Over 22

RELATIVE PROPORTIONS OF COHESIONLESS SOILS

Proportional Term	Defining Range By Percentage of Weight
Trace	0% - 5%
Little	5% - 12%
Some	12% - 35%
And	35% - 50%

RELATIVE DENSITY

Term	"N" Value
Very Loose	0-4
Loose	4-10
Medium Dense	10-30
Dense	30-50
Very Dense	Over 50

Symbols

DRILLING AND SAMPLING

CS-Continuous Sampling
RC-Rock Coring: Size AW, BW, NW, 2"W
RQD-Rock Quality Designator
RB-Rock Bit
FT-Fish Tail
DC-Drove Casing
C-Casing: Size 2.5", NW, 4", HW
CW-Clear Water
DM-Drilling Mud
HSA-Hollow Stem Auger
FA-Flight Auger
HA-Hand Auger
COA-Clean-Out Auger
SS-2" Diameter Split-Barrel Sample
ST2-2" Diameter Thin-Walled Tube Sample
ST-3" Diameter Thin-Walled Tube Sample
PT-3" Diameter Piston Tube Sample
AS-Auger Sample
WS-Wash Sample
GP- 2" Geoprobe Tube Sample
PTS-Peat Sample
PS-Pitcher Sample
GRAB-Grab Sample
NR-No Recovery
M- Observed Moist Soil Conditions
S- Observed Saturated Soil Conditions
W- Observed Wet Soil Conditions
SO-Sounding
PMT-Borehole Pressuremeter Test
VS-Vane Shear Test
WPT-Water Pressure Test

LABORATORY TESTS

qu -Penetrometer Reading, tons/sq. ft.
Qu -Unconfined Strength, tons/sq. ft.
W-Moisture Content, %
LL-Liquid Limit, %
PL-Plastic Limit. %
SL-Shrinkage Limit, %
LI-Loss on Ignition, %
D-Dry Unit Weight, lbs./cu. ft.
pH-Measure of Soil Alkalinity or Acidity
FS-Free Swell, %

WATER LEVEL MEASUREMENT

-Water Level at time shown
NW-No Water Encountered
WD-While Drilling
BCR-Before Casing Removal
ACR-After Casing Removal
CW-Caved and Wet
CM-Caved and Moist

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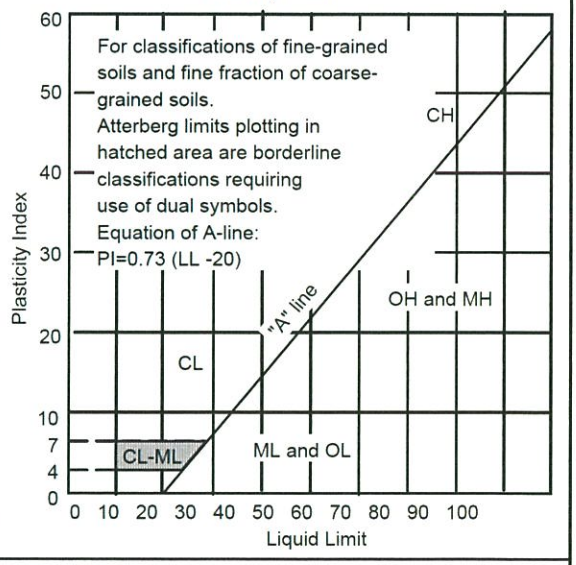
CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES

ASTM Designation: D 2487 - 93 AND D 2488 - 93
(Unified Soil Classification System)

Major divisions			Group symbols	Typical names	Classification criteria
Coarse-grained soils: More than 50% retained on No. 200 sieve*	GRAVELS -- 50% or more of coarse fraction retained on No. 4 sieve	Clean gravels	GW	Well-graded gravels and gravel-sand mixtures, little or no fines	$C_u = \frac{D60}{D10}$ greater than 4: $C_c = \frac{(D30)^2}{D10 \times D60}$ between 1 and 3
			GP	Poorly graded gravels and gravel-sand mixtures, little or no fines	Not meeting both criteria for GW
		Gravels with fines	GM	Silty gravels, gravel-sand-silt mixtures	Atterberg limits below "A" line or P.I. less than 4 / Atterberg limits above "A" line with P.I. greater than 7 / Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols
			GC	Clayey gravels, gravel-sand-clay mixtures	
	SANDS -- More than 50% of coarse fraction passes No. 4 sieve	Clean sands	SW	Well-graded sands and gravelly sands, little or no fines	$C_u = \frac{D60}{D10}$ greater than 6: $C_c = \frac{(D30)^2}{D10 \times D60}$ between 1 and 3
			SP	Poorly graded sands and gravelly sands, little or no fines	Not meeting both criteria for SW
		Sands with fines	SM	Silty sands, sand-silt mixtures	Atterberg limits below "A" line or P.I. less than 4 / Atterberg limits above "A" line with P.I. greater than 7 / Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols
			SC	Clayey sands, sand-clay mixtures	

Classification on basis of percentages of fines
Less than 5% pass No. 200 sieve.....GW, GP, SW, SP
More than 12% pass No. 200 sieve....GM, GC, SM, SC
5 to 12% pass No. 200 sieve.....Borderline classifications requiring use of dual symbols

Major divisions		Group symbols	Typical names	Classification criteria
Fine-grained soils: 50% or more passes No. 200 sieve*	Silts and clays: Liquid limit 50% or less	ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands	Plasticity Chart
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays silty clays, lean clays	
		OL	Organic silts and organic silty clays of low plasticity	
	Silts and clays: Liquid limit greater than 50%	MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts	
		CH	Inorganic clays of high plasticity, fat clays	
		OH	Organic clays of medium to high plasticity	
	Highly organic soils	PT	Peat, muck and other highly organic soils	Visual-manual identification, see ASTM Designation D2488



*Based on the material passing the 3" (78mm) sieve.

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Appendix E

Soil Boring Logs / Borehole Abandonment Forms

SOIL BORING LOG

PROJECT NAME: Community Within The Corridor
DRILL EQUIP: Geoprobe 7822DT
GROUND SURFACE ELEVATION: N/A
DRILLING METHOD: Direct Push
CONTRACTOR: Horizon Construction & Exploration

DRILLER: Greg Wester
NORTH: 396561.878
EAST: 2514941.491
CHECKED BY: Robert Reineke, P.E.
FIELD ENGINEER: Kyle Vander Heiden (KSingh)

DATE BEGAN: 04/10/2020
DATE FINISHED: 04/10/2020
PROJECT NO: 40392
BORING NO: B-1
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks	PID (ppm)
	0.0	TOPSOIL, Dark Brown, Moist, some Gravel.										2.3" diameter for geoprobe soil boring.	
		SILTY CLAY (CL), Brown, Soft, Moist, Some Sand and Trace Gravel. Gravel Inceases To "Some" After 2.9', Sub-Angular to Angular.		CL			GP-1	60 / 60					
	5.0											Grab sample B-1 (5.5'-7.5') collected for environmental sampling.	
		SILTY CLAY (CL), Brownish Grey, Soft to Medium Dense, Moist, Some Medium Coarse Sand, Trace Gravel.					GP-2	60 / 60	11.9				
		SILTY CLAY (CL), Brownish Grey, Medium Dense, Moist, Slite to Medium Plasticity, Some Sub-Rounded Gravel.											
	10.0	End of boring at 10ft below ground surface, abandoned in accordance with NR 141.25.											

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

SOIL BORING LOG

PROJECT NAME: Community Within The Corridor
DRILL EQUIP: Geoprobe 7822DT
GROUND SURFACE ELEVATION: N/A
DRILLING METHOD: Direct Push
CONTRACTOR: Horizon Construction & Exploration

DRILLER: Greg Wester
NORTH: 396297.097
EAST: 2514881.164
CHECKED BY: Robert Reineke, P.E.
FIELD ENGINEER: Kyle Vander Heiden (KSingh)

DATE BEGAN: 04/10/2020
DATE FINISHED: 04/10/2020
PROJECT NO: 40392
BORING NO: B-2
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks	PID (ppm)
	0.0	TOPSOIL, Clayey, Dark Brown, Loose, Moist, with Organics.										2.3" diameter for geoprobe soil boring.	
		SILTY CLAY (CL), Light Brown, Soft, Moist, Trace Sand and Gravel		CL			GP-1	51 / 60					
	5.0	CLAYEY SAND (SC), Very Dark Greyish Brown, Gley, Fine to Course, Moist.		SC					12.4			Grab sample B-2 (4'-6') collected for environmental sampling.	
		SILTY CLAY (CL), Light Brown, Soft, Moist, No to Low Plasticity, with Fine Sand and Trace Gravel.		CL									
		SAND (SW), Dark Yelloish Brown, Moist.		SW			GP-2	60 / 60					
		SANDY CLAY (CL), Greyish Brown, Fine, No to Low Plasticity, Moist, Some Sub-Angular Gravel.		CL									
	10.0	End of boring at 10ft below ground surface, abandoned in accordance with NR 141.25.											

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

SOIL BORING LOG

PROJECT NAME: Community Within The Corridor
DRILL EQUIP: Geoprobe 7822DT
GROUND SURFACE ELEVATION: N/A
DRILLING METHOD: Direct Push
CONTRACTOR: Horizon Construction & Exploration

DRILLER: Greg Wester
NORTH: 396104.799
EAST: 2514885.881
CHECKED BY: Robert Reineke, P.E.
FIELD ENGINEER: Kyle Vander Heiden (KSingh)

DATE BEGAN: 04/10/2020
DATE FINISHED: 04/10/2020
PROJECT NO: 40392
BORING NO: B-3
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks	PID (ppm)
	0.0	Grey Concrete										2.3" diameter for geoprobe soil boring.	
		SANDY CLAY (CL), Light Brown, Fine to Medium Grain, No Plasticity, Moist, Some Gravel and Organics.		CL			GP-1	42 / 60					
	5.0	SILTY CLAY (CL), Light Brown, Low to Medium Plasticity, Dry, Trace Gravel, Sub-Rounded.							11.7			Grab sample B-3 (4'-6') collected for environmental sampling.	4.5
		SAND (SP), Light Brown, Fine to Medium Coarse, Dry.		SP									
		SILTY CLAY (CL), Light Brown, Yellow Brown Mottling 7.2'-7.6', Loose to 7.9', Dense to 10', Some Gravel.		CL			GP-2	51 / 60					
	10.0	End of boring at 10ft below ground surface, abandoned in accordance with NR 141.25.											

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

SOIL BORING LOG

PROJECT NAME:	Community Within The Corridor	**DRILLER:**	Greg Wester	**DATE BEGAN:**	04/10/2020
DRILL EQUIP:	Geoprobe 7822DT	**NORTH:**	396317.338	**DATE FINISHED:**	04/10/2020
GROUND SURFACE ELEVATION:	N/A	**EAST:**	2514880.668	**PROJECT NO:**	40392
DRILLING METHOD:	Direct Push	**CHECKED BY:**	Robert Reineke, P.E.	**BORING NO:**	B-4
CONTRACTOR:	Horizon Construction & Exploration	**FIELD ENGINEER:**	Kyle Vander Heiden (KSingh)	**COUNTY:**	Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks	PID (ppm)
	0.0	GRAVEL (GP), Very Light Brownish Grey, Moist.		GP								2.3" diameter for geoprobe soil boring.	
		SILTY CLAY (CL), Light Brown, Yellow Brown Mottling, Dry, with Some Sub-Angular Gravel and Trace Sub-Angular Course Sand.					GP-1	60 / 60					
	5.0								11.7			Grab sample B-4 (4'-6') collected for environmental sampling.	
		SILTY CLAY (CL), Light Greyish Brown, Loose, No Plasticity, with Trace Gravel		CL			GP-2	60 / 60					
	10.0	End of boring at 10ft below ground surface, abandoned in accordance with NR 141.25.											

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

SOIL BORING LOG

PROJECT NAME:	Community Within The Corridor	**DRILLER:**	Greg Wester	**DATE BEGAN:**	04/10/2020
DRILL EQUIP:	Geoprobe 7822DT	**NORTH:**	396118.379	**DATE FINISHED:**	04/10/2020
GROUND SURFACE ELEVATION:	N/A	**EAST:**	2515026.619	**PROJECT NO:**	40392
DRILLING METHOD:	Direct Push	**CHECKED BY:**	Robert Reineke, P.E.	**BORING NO:**	B-5
CONTRACTOR:	Horizon Construction & Exploration	**FIELD ENGINEER:**	Kyle Vander Heiden (KSingh)	**COUNTY:**	Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks	PID (ppm)
	0.0	TOPSOIL, Greyish Brown, Dry, with Gravel Fill and Some Organics.										2.3" diameter for geoprobe soil boring.	
		SILTY CLAY (CL) Light Greyish Brown, Medium Dense, No Plasticity, Dry, with Some Gravel After 3.6'.		CL			GP-1	60 / 60	13.1			Grab sample B-5 (3'-5') collected for environmental sampling.	
	5.0												
		SAND & GRAVEL (GW), Light Brown, Loose, Dry, Moist After 10.9'.		GW			GP-2	60 / 60					
	10.0											1" temporary well screen (TW-1) installed 10'-20' bgs for environmental sampling.	

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks	PID (ppm)
							GP-3	60 / 60					
	15.0	SILTY CLAY (CL), Greyish Brown, Loose to Medium Dense, Moist, with Trace Sub-Rounded Gravel and Trace Sand.		CL			GP-4						
	20.0	End of boring at 20ft below ground surface. Temporary well installed screened 10'-20'.											

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

SOIL BORING LOG

PROJECT NAME: Community Within The Corridor
DRILL EQUIP: Geoprobe 7822DT
GROUND SURFACE ELEVATION: N/A
DRILLING METHOD: Direct Push
CONTRACTOR: Horizon Construction & Exploration

DRILLER: Greg Wester
NORTH: 396089.836
EAST: 2515101.567
CHECKED BY: Robert Reineke, P.E.
FIELD ENGINEER: Kyle Vander Heiden (KSingh)

DATE BEGAN: 04/10/2020
DATE FINISHED: 04/10/2020
PROJECT NO: 40392
BORING NO: B-6
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Remarks	PID (ppm)
	0.0	TOPSOIL, Greyish Brown, Dry.										2.3" diameter for geoprobe soil boring.	
		SAND & GRAVEL (GW), Greyish Brown, Dry.		GW									
							GP-1	60 / 60					
									11.4			Grab sample B-6 (3'-5') collected for environmental sampling.	
	5.0	SANDY CLAY (CL), Greyish Brown, Medium Dense, Fine, No Plasticity, Dry, Some Silt. Cobble at 5.5'.		CL									
							GP-2	60 / 60					
	10.0	End of boring at 10ft below ground surface, abandoned in accordance with NR 141.25.										1" temporary well screen (TW-4) installed 10'-20' bgs for environmental sampling.	

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

SOIL BORING LOG

PROJECT NAME: CWC - West Block
DRILL EQUIP: Geoprobe 7822DT
DRILLER: Scott Klumb
DRILLING METHOD: Soil Probe
CONTRACTOR: Soils & Engineering Services

GROUND SURFACE ELEVATION: 686.241
NORTH: 396242.841
EAST: 2546549.706
CHECKED BY: Daniel Pelczar
FIELD ENGINEER: Aileen Zebrowski

DATE BEGAN: 07-15-2021
DATE FINISHED: 07-15-2021
PROJECT NO: 40443
BORING NO: WB-B-16
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
685.0	0.0	FILL - Sand (SW), tan to black & orange, few to some fines, some gravel		FI			SS 1	34 / 48				2.0		
												1.5		0
		SILTY CLAY (CL) - Orangy brown, little to some sand, few to little gravel		CL								1.0		
680.0	5.0						SS 2	40 / 48				2.25		
												3.0		
		CLAYEY SAND (SC) - Orangy brown, some gravel and silt		SC										
		SAND (SP) - green 1-in seam		SP								1.5		
		SILTY CLAY (CL) - Gray, little sand and gravel		CL			SS 3	24 / 24				1.25		0
675.0	10.0	End of Boring at 10 ft, abandoned in accordance with NR 141.25.										0.5		

KSingh Engineers Scientists Consultants

DTW DURING DRILLING:
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	___ ___ ___ ___ ___	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.068848 N	■ DD	☐ GPS008
-87.954686 W	☐ DDM	■ SCR002
		☐ OTH001

¼ / ¼ SW	¼ NE	Section	Township	Range
or Gov't Lot #		13	07 N	21 ■ E ☐ W

Well Street Address: 2758 & 2758 N 33rd St, 3212 W Center St, 2727 N 32nd St

Well City, Village or Town	Well ZIP Code
Milwaukee	53210

Subdivision Name	Lot #
Cawker's	1-37

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Boring	___ ___ ___ ___ ___

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/15/2021

If a Well Construction Report is available, please attach.

Construction Type:
■ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.25	

Was well annular space grouted? ☐ Yes ■ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

Facility ID (FID or PWS): 341333190

License/Permit/Monitoring #:

Original Well Owner: Roers Companies

Present Well Owner: Roers Companies

Mailing Address of Present Owner: 110 Cheshire Ln #120

City of Present Owner	State	ZIP Code
Minnetonka	MN	55305

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	■ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	■ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	■ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	0	10	<0.5	

6. Comments

WB-B-16

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Adam Sweet, Horizon Construction		04/23/2021

Street or Route	Telephone Number
764 Tower Drive	(262) 692-3347

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Fredonia	WI	53021		

DNR Use Only

Date Received	Noted By

Comments:

SOIL BORING LOG

PROJECT NAME: CWC - West Block
DRILL EQUIP: Geoprobe 7822DT
DRILLER: Scott Klumb
DRILLING METHOD: Soil Probe
CONTRACTOR: Soils & Engineering Services

GROUND SURFACE ELEVATION: 683.928
NORTH: 396313.645
EAST: 2546477.486
CHECKED BY: Daniel Pelczar
FIELD ENGINEER: Aileen Zebrowski

DATE BEGAN: 07-15-2021
DATE FINISHED: 07-15-2021
PROJECT NO: 40443
BORING NO: WB-B-17
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
	0.0	TOPSOIL - 1"		TO										
		FILL - Gravelly Sand, tan & white, mostly fine grained,		FI			SS 1	33 / 48						0
680.0		SILTY CLAY (CL) - Stiff to hard, orangy brown, mottled, few sand and gravel		CL										
	5.0						SS 2	48 / 48						0
675.0		SILTY CLAY (CL) - Very stiff to hard, gray, few sand and gravel		CL			SS 3	24 / 24						
	10.0	End of Boring at 10 ft, abandoned in accordance with NR 141.25.												

DTW DURING DRILLING:
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	___ ___ ___ ___ ___	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.068848 N	■ DD	☐ GPS008
-87.954686 W	☐ DDM	■ SCR002
		☐ OTH001

¼ / ¼ SW	¼ NE	Section	Township	Range
or Gov't Lot #		13	07 N	21 ■ E ☐ W

Well Street Address: 2758 & 2758 N 33rd St, 3212 W Center St, 2727 N 32nd St

Well City, Village or Town	Well ZIP Code
Milwaukee	53210

Subdivision Name	Lot #
Cawker's	1-37

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Boring	___ ___ ___ ___ ___

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/15/2021

If a Well Construction Report is available, please attach.

Construction Type:
■ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.25	

Was well annular space grouted? ☐ Yes ■ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

Facility ID (FID or PWS): 341333190

License/Permit/Monitoring #:

Original Well Owner: Roers Companies

Present Well Owner: Roers Companies

Mailing Address of Present Owner: 110 Cheshire Ln #120

City of Present Owner	State	ZIP Code
Minnetonka	MN	55305

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	■ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	■ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	■ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	0	10	<0.5	

6. Comments

WB-B-17

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Adam Sweet, Horizon Construction		04/23/2021

Street or Route	Telephone Number
764 Tower Drive	(262) 692-3347

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Fredonia	WI	53021		

DNR Use Only

Date Received	Noted By

Comments:

SOIL BORING LOG

PROJECT NAME: Community Within the Corridor - WB
DRILL EQUIP: Geoprobe
DRILLER: Adam Sweet
DRILLING METHOD: Direct-Push
CONTRACTOR: Horizon Construction And Exploration LLC

GROUND SURFACE ELEVATION: 681.844
NORTH: 396526.946
EAST: 2546506.116
CHECKED BY: Daniel Pelczar
FIELD ENGINEER: Aileen Zebrowski

DATE BEGAN: 07-02-2021
DATE FINISHED: 07-02-2021
PROJECT NO: 40443
BORING NO: WB-B-18
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
	0.0	Concrete - 4"		PA										
							1 SS	24 / 24					2.25	0
													4.25	
680.0														0
													2.75	
							2 SS	22 / 24						0
		SILTY CLAY (CL) - Stiff to hard, orangy brown, few sand and gravel, color to gray at 1' 1"											3.5	
				CL										0
	5.0						3 SS	24 / 24					3.5	
													3.25	
														0
													3.75	
675.0							4 SS	23 / 24					1.75	
													2.75	
		End of boring at 8 ft, abandoned accroding to NR 141.25												
	10.0													
670.0														

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	___ ___ ___ ___ ___	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.068848 N	■ DD	☐ GPS008
-87.954686 W	☐ DDM	■ SCR002
		☐ OTH001

¼ / ¼ SW	¼ NE	Section	Township	Range
or Gov't Lot #		13	07 N	21 ■ E ☐ W

Well Street Address: 2758 & 2758 N 33rd St, 3212 W Center St, 2727 N 32nd St

Well City, Village or Town	Well ZIP Code
Milwaukee	53210

Subdivision Name	Lot #
Cawker's	1-37

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Boring	___ ___ ___ ___ ___

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/02/2021

If a Well Construction Report is available, please attach.

Construction Type:
■ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
8	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
1	

Was well annular space grouted? ☐ Yes ■ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

Facility ID (FID or PWS): 341333190

License/Permit/Monitoring #:

Original Well Owner: Roers Companies

Present Well Owner: Roers Companies

Mailing Address of Present Owner: 110 Cheshire Ln #120

City of Present Owner	State	ZIP Code
Minnetonka	MN	55305

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	■ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	■ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	■ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Concrete	0	0.33		
Bentonite	0.33	8	<0.5	

6. Comments

WB-B-18

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Adam Sweet, Horizon Construction		04/23/2021

Street or Route	Telephone Number
764 Tower Drive	(262) 692-3347

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Fredonia	WI	53021		

DNR Use Only

Date Received	Noted By

Comments:

SOIL BORING LOG

PROJECT NAME: Community Within the Corridor - WB
DRILL EQUIP: Geoprobe
DRILLER: Adam Sweet
DRILLING METHOD: Direct-Push
CONTRACTOR: Horizon Construction And Exploration LLC

GROUND SURFACE ELEVATION: 687.143
NORTH: 396287.522
EAST: 2546519.354
CHECKED BY: Daniel Pelczar
FIELD ENGINEER: Aileen Zebrowski

DATE BEGAN: 07-02-2021
DATE FINISHED: 07-02-2021
PROJECT NO: 40443
BORING NO: WB-B-19
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
	0.0	Concrete - 6"		PA										
		SAND (SP) - Medium grain, medium dense, orangy brown		SP										16
		SILTY CLAY (CL) - Orangy brown, few gravel, little sand, trace organics, streaks of gray, blackened top 4"		CL										0
685.0							1 SS	48 / 48					>4.5	
													3.75	
														0
	5.0	SILTY CLAY (CL) - Orangy brown, few gravel, little sand		CL										
													3.5	
							2 SS	48 / 48						0
													3.25	
680.0													3.0	
		SILTY CLAY (CL) - Gray, few gravel, little sand		CL										0
							3 SS	24 / 24					0.75	
	10.0												0.75	
		End of boring at 10 ft, abandoned accroding to NR 141.25											2.75	
675.0														

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	___ ___ ___ ___ ___	

Latitude / Longitude (see instructions)	Format Code	Method Code
43.068848 N	■ DD	☐ GPS008
-87.954686 W	☐ DDM	■ SCR002
		☐ OTH001

¼ / ¼ SW	¼ NE	Section	Township	Range
or Gov't Lot #		13	07 N	21 ■ E ☐ W

Well Street Address: 2758 & 2758 N 33rd St, 3212 W Center St, 2727 N 32nd St

Well City, Village or Town	Well ZIP Code
Milwaukee	53210

Subdivision Name	Lot #
Cawker's	1-37

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Boring	___ ___ ___ ___ ___

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/02/2021

If a Well Construction Report is available, please attach.

Construction Type:
■ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.25	

Was well annular space grouted? ☐ Yes ■ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK

Facility ID (FID or PWS): 341333190

License/Permit/Monitoring #:

Original Well Owner: Roers Companies

Present Well Owner: Roers Companies

Mailing Address of Present Owner: 110 Cheshire Ln #120

City of Present Owner	State	ZIP Code
Minnetonka	MN	55305

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	■ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	■ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	■ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Concrete	0	0.5		
Bentonite	0.5	10	<0.5	

6. Comments

WB-B-19

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Adam Sweet, Horizon Construction		04/23/2021

Street or Route	Telephone Number
764 Tower Drive	(262) 692-3347

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Fredonia	WI	53021		

DNR Use Only

Date Received	Noted By

Comments:

SOIL BORING LOG

PROJECT NAME: Community Within the Corridor - WB
DRILL EQUIP: Geoprobe
DRILLER: Adam Sweet
DRILLING METHOD: Direct-Push
CONTRACTOR: Horizon Construction And Exploration LLC

GROUND SURFACE ELEVATION: 684.257
NORTH: 396016.41
EAST: 2546506.247
CHECKED BY: Daniel Pelczar
FIELD ENGINEER: Aileen Zebrowski

DATE BEGAN: 07-02-2021
DATE FINISHED: 07-02-2021
PROJECT NO: 40443
BORING NO: WB-B-20
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
	0.0	Concrete - 6"		PA										
		SILTY CLAY (CL) to Clayey Silt - Brown, little sand, trace gravel		CL			1 SS	36 / 48					4.25	0
		SAND (SW) - Loose, orangy brown, little gravel, trace fines		SW										
680.0	5.0	SILTY CLAY (CL) - stiff to hard, orangy brown, trace to some sand, trace gravel		CL			2 SS	48 / 48					1.75 2 3.5 2.25 4.25 >4.5	0 0
675.0	10.0	SILTY CLAY (CL) - very stiff, gray, trace and gravel		CL			3 SS	24 / 24					>4.5 2.75	0 0
		End of boring at 10 ft, abandoned accroding to NR 141.25												

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	___ ___ ___ ___ ___	

Latitude / Longitude (see instructions): 43.068848 N / -87.954686 W
Format Code: ■ DD ☐ DDM
Method Code: ☐ GPS008 ■ SCR002 ☐ OTH001

¼ / ¼	¼	Section	Township	Range
SW	NE	13	07 N	21 ■ E ☐ W

or Gov't Lot #

Well Street Address: 2758 & 2758 N 33rd St, 3212 W Center St, 2727 N 32nd St

Well City, Village or Town	Well ZIP Code
Milwaukee	53210

Subdivision Name	Lot #
Cawker's	1-37

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary Boring	___ ___ ___ ___ ___

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
■ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 07/02/2021

If a Well Construction Report is available, please attach.

Construction Type:
■ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2.25	

Was well annular space grouted? ☐ Yes ■ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)

2. Facility / Owner Information

Facility Name: COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
Facility ID (FID or PWS): 341333190
License/Permit/Monitoring #:

Original Well Owner: Roers Companies
Present Well Owner: Roers Companies
Mailing Address of Present Owner: 110 Cheshire Ln #120

City of Present Owner	State	ZIP Code
Minnetonka	MN	55305

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	■ N/A
Liner(s) removed?	☐ Yes	☐ No	■ N/A
Liner(s) perforated?	☐ Yes	☐ No	■ N/A
Screen removed?	☐ Yes	☐ No	■ N/A
Casing left in place?	☐ Yes	☐ No	■ N/A
Was casing cut off below surface?	☐ Yes	☐ No	■ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	■ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	■ N/A
If yes, was hole retopped?	☐ Yes	☐ No	■ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	■ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
■ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ■ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Concrete	0	0.5		
Bentonite	0.5	10	<0.5	

6. Comments

WB-B-20

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Adam Sweet, Horizon Construction		04/23/2021

Street or Route	Telephone Number
764 Tower Drive	(262) 692-3347

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Fredonia	WI	53021		

DNR Use Only

Date Received	Noted By

Comments:

SOIL BORING LOG

PROJECT NAME: Community Within the Corridor - WB
DRILL EQUIP: Geoprobe
DRILLER: Scott Klumb
DRILLING METHOD: Direct-Push
CONTRACTOR: Soils & Engineering Services, Inc.

GROUND SURFACE ELEVATION: 682.571
NORTH: 396542.814
EAST: 2546411.793
CHECKED BY: Daniel Pelczar
FIELD ENGINEER: Kyle Vander Heiden

DATE BEGAN: 05-03-2021
DATE FINISHED: 05-03-2021
PROJECT NO: 40443
BORING NO: WB-MW-1
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
680.0	0.0	SANDY CLAY (CL) - Moderately dense, light brown, moist		CL			1 SS	31 / 48						
	5.0						2 SS	33 / 48					4'-6' Soil Sampled for VOC, PAH, PCB	
675.0		SILTY CLAY (CL) - Soft, high plasticity, grayish brown, few sand and gravel		CL			3 SS	48 / 48						
	10.0												10'-12' Soil Sampled for VOC	
670.0		SILTY CLAY (CL) - Very soft, low-moderate plasticity, grayish		CL										

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
		brown, few sand and gravel					4 SS	48 / 48						
	15.0	SANDY CLAY (CL) - Dark grayish brown, saturated		CL										
665.0							5 SS	48 / 48						
	20.0	SILTY CLAY (CL) - Soft, dark grayish, appears saturated, some subangular sand and gravel		CL										
660.0							6 SS	48 / 48						
		CLAYEY SILT (ML) - Loose, dark grayish brown, saturated		ML										
	25.0	End of boring at 24 ft, auger to 24.5 ft, converted into monitoring well.												
655.0														

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

SOIL BORING LOG

PROJECT NAME:	Community Within the Corridor - WB	**GROUND SURFACE ELEVATION:**	686.174	**DATE BEGAN:**	05-03-2021
DRILL EQUIP:	Geoprobe	**NORTH:**	396231.772	**DATE FINISHED:**	05-03-2021
DRILLER:	Scott Klumb	**EAST:**	2546419.031	**PROJECT NO:**	40443
DRILLING METHOD:	Direct-Push	**CHECKED BY:**	Daniel Pelczar	**BORING NO:**	WB-MW-2
CONTRACTOR:	Soils & Engineering Services, Inc.	**FIELD ENGINEER:**	Kyle Vander Heiden	**COUNTY:**	Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
	0.0	TOPSOIL (1') - Very dark grayish brown, granular, with organics		TOP SOI L										
685.0							1 SS	33 / 48						
	5.0	SILTY CLAY (CL) - Soft, low-moderate plasticity, moist, some sub-rounded sand and gravel		CL			2 SS	48 / 48					3'-5' Soil Sampled for VOC, PAH, PCB	
680.0														
	10.0	SILTY CLAY (CL) - Moderately dense, low to high plasticity, brown, moist, few sand and gravel		CL			3 SS	48 / 48					8.5'-10.5' Soil Sampled for VOC	
675.0														

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
670.0	15.0	SILTY CLAY (CL) - Low to moderate plasticity, dark grayish brown, few sand and gravel, saturation at 21 ft bgs		CL			4 SS	48 / 48						
							5 SS	48 / 48						
665.0	20.0						6 SS	48 / 48						
		SILT (ML) - Dark brownish gray, saturated, with sine sand, some clay		ML										
	25.0	End of boring at 24 ft, auger to 25.5 ft, converted into monitoring well.												
660.0														

SOIL BORING LOG

PROJECT NAME:	Community Within the Corridor - WB	**GROUND SURFACE ELEVATION:**	685.825	**DATE BEGAN:**	05-03-2021
DRILL EQUIP:	Geoprobe	**NORTH:**	396310.761	**DATE FINISHED:**	05-03-2021
DRILLER:	Scott Klumb	**EAST:**	2546661.125	**PROJECT NO:**	40443
DRILLING METHOD:	Direct-Push	**CHECKED BY:**	Daniel Pelczar	**BORING NO:**	WB-MW-3
CONTRACTOR:	Soils & Engineering Services, Inc.	**FIELD ENGINEER:**	Kyle Vander Heiden	**COUNTY:**	Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
685.0	0.0	TOPSOIL (6") - brown, with gravel, some organics		TOPSOIL										
		GRAVELLY SAND (SW) - Light yellowish brown, moist		SW										
		SAND (SW) - Loose, light brown, dry, some silt and gravel		SW			1 SS	27 / 48					2'-4' Soil Sampled for VOC, PAH, PCB	
680.0	5.0	SILTY CLAY (CL) - Moderately dense, light brown to grayish brown, dry, some sand and gravel (which round with depth)		CL			2 SS	48 / 48						
675.0	10.0						3 SS	48 / 48					10'-12' Soil Sampled for VOC	
		SILTY CLAY (CL) - Soft, moderate												

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
		to high plasticity, grayish brown, dry, some sand and gravel (which round with depth)		CL			4 SS	48 / 48						
	15.0													
670.0		SILTY GRAVEL (GP) - Gray, saturated		GP			5 SS	48 / 48						
		SILTY CLAY (CL) - Soft, low plasticity, dark grayish brown, some sand and gravel		CL										
	20.0						6 SS	48 / 48						
665.0		CLAYEY SILT (ML) - Soft, low plasticity, dark grayish brown, saturated, some sand and gravel		ML										
		SILTY CLAY (CL) - Soft, low plasticity, dark grayish brown, some sand and gravel		CL										
	25.0	End of boring at 24 ft, converted into monitoring well.												
660.0														

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

SOIL BORING LOG

PROJECT NAME:	Community Within the Corridor - WB	**GROUND SURFACE ELEVATION:**	684.891	**DATE BEGAN:**	05-03-2021
DRILL EQUIP:	Geoprobe	**NORTH:**	396090.765	**DATE FINISHED:**	05-03-2021
DRILLER:	Scott Klumb	**EAST:**	2546666.802	**PROJECT NO:**	40443
DRILLING METHOD:	Direct-Push	**CHECKED BY:**	Daniel Pelczar	**BORING NO:**	WB-MW-4
CONTRACTOR:	Soils & Engineering Services, Inc.	**FIELD ENGINEER:**	Kyle Vander Heiden	**COUNTY:**	Milwaukee

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
	0.0	TOPSOIL (1') - dark gray, with gravel, dry		TOP SOI L										
		GRAVEL (GW) - Light gray, dry, with sand		GW										
		SILTY CLAY (CL) - Soft, low plasticity, light brown, dry, some fine-medium sand, few gravel		CL			1 SS	27 / 48					2'-4' Soil Sampl ed for VOC, PAH, PCB	
680.0	5.0	SILTY CLAY (CL) - Soft, low-moderate plasticity, brown, dry, few sand and gravel		CL			2 SS	48 / 48						
675.0	10.0						3 SS	48 / 48					10'-12' Soil Sampl ed for VOC	

KSingh Engineers Scientists Consultants

PAGE 1 OF 2

DTW DURING DRILLING: ---
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
670.0	15.0	SILTY CLAY (CL) - Soft, moderate-high plasticity, dark grayish brown, saturated at 24.5 ft, few sand and gravel (which round with depth), moderately dense 17.6' - 19' & 20.5' - 22.9'		CL			4 SS	48 / 48						
							5 SS	48 / 48						
665.0	20.0						6 SS	48 / 48						
660.0	25.0						7 SS	36 / 38						
		End of boring at 27 ft, converted into monitoring well.												

SOIL BORING LOG

PROJECT NAME: CWC - West Block
DRILL EQUIP: Geoprobe 7822DT
DRILLER: Scott Klumb
DRILLING METHOD: Soil Probe
CONTRACTOR: Soils & Engineering Services

GROUND SURFACE ELEVATION: 679.673
NORTH: 395943.795
EAST: 2546610.53
CHECKED BY: Daniel Pelczar
FIELD ENGINEER: Aileen Zebrowski

DATE BEGAN: 07-15-2021
DATE FINISHED: 07-15-2021
PROJECT NO: 40443
BORING NO: WB-MW-5
COUNTY: Milwaukee

Elevation (FT)	Depth (FT)	Description	USCS	Sample Type	Recovered (Inches)	Compressive Strength q, tsf	PID (ppm)
	0.0	CONCRETE - 4"	PA				
		FILL - Sand (SW), tan (gray bottom 2"), moist to wet, fine to medium grained, sub-angular, little gravel	FI	SS 1	30 / 48	>4.5	0
675.0	5.0	SILTY CLAY (CL) - Hard, orangy brown, moist, few to little sand, few gravel	CL	SS 2	48 / 48	>4.5 >4.5 >4.5	
		SILTY CLAY (CL) - Very stiff, brown (occasional seams of orange or light gray), moist, trace to few sand, trace gravel	CL			3.25	
670.0	10.0			SS 3	48 / 48	2.25 2.5 3 2.5	
		SILTY CLAY (CL) - Stiff to very stiff, brown/gray, moist, trace to few	CL			2.5	

Well Screen

KSingh Engineers Scientists Consultants

DTW DURING DRILLING: 20 ft
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

Elevation (FT)	Depth (FT)	Description	Graphic Profile	USCS	Well Screen	N-Value	Sample Type	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Compressive Strength q, tsf	Remarks	PID (ppm)
		sand, trace gravel					SS 4	48 / 48				2.0 1.25 2.25		
665.0	15.0													
		SILTY CLAY (CL) - To clayey silt, hard, gray, moist, little sand and gravel		CL			SS 5	36 / 36				1.5 3.25 >4.5		0
660.0	20.0	GRAVELLY SAND (SW) - Gray, moist to saturated (at 20 ft), well-graded, sub-angular to sub-rounded, trace to some fines		SW			SS 6	30 / 36						
		SAND (SW) - Grey, saturated, coarse, some gravel and clay and silt		SW										
		SILTY CLAY (CL) - Stiff, gray, little to some sand, little gravel		CL								1.25		
		End of Boring at 22 ft.												
655.0	25.0	Blind drilled to 25 ft, monitoring well installed.												

DTW DURING DRILLING: 20 ft
DTW AFTER DRILLING: ---
DTW AFTER 24 HRS: ---

Appendix F

Soil Analytical Results

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-180587-1
Client Project/Site: Community Within the Corridor - 40392

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Sandie Fredrick

Authorized for release by:
4/27/2020 2:33:34 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-180587-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-180587-1

Comments
No additional comments.

Receipt
The samples were received on 4/14/2020 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9º C.

GC/MS VOA
Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. 40392-B-1 (5.5'-7.5') (500-180587-1), 40392-B-2 (4'-6') (500-180587-2), 40392-B-3 (4'-6') (500-180587-3), 40392-B-4 (4'-6') (500-180587-4), 40392-B-5 (3'-5') (500-180587-5), 40392-B-6 (3'-5') (500-180587-6), 40392-B-7 (3'-5') (500-180587-7), 40392-B-8 (9'-11') (500-180587-8), 40392-B-9 (4'-6') (500-180587-9) and 40392-B-12 (3.5'-5.5') (500-180587-10)

Method 8260B: The laboratory control sample (LCS) for 538558 recovered outside control limits for Bromomethane. This is a prepped 5035 LCS. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.40392-B-1 (5.5'-7.5') (500-180587-1), 40392-B-2 (4'-6') (500-180587-2), 40392-B-3 (4'-6') (500-180587-3), 40392-B-4 (4'-6') (500-180587-4), 40392-B-5 (3'-5') (500-180587-5), 40392-B-6 (3'-5') (500-180587-6), 40392-B-7 (3'-5') (500-180587-7), 40392-B-8 (9'-11') (500-180587-8), 40392-B-9 (4'-6') (500-180587-9) and 40392-B-12 (3.5'-5.5') (500-180587-10)

Method 8260B: The laboratory control sample (LCS) for 539012 recovered outside control limits for Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.40392-B-1 (5.5'-7.5') (500-180587-1), 40392-B-2 (4'-6') (500-180587-2) and 40392-B-3 (4'-6') (500-180587-3)

Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with 539158: Bromomethane and 1,2-Dibromom-3-Chloropropane. These were marginal exceedances. Qualified results have been reported.40392-B-4 (4'-6') (500-180587-4), 40392-B-5 (3'-5') (500-180587-5), 40392-B-6 (3'-5') (500-180587-6), 40392-B-7 (3'-5') (500-180587-7), 40392-B-8 (9'-11') (500-180587-8), 40392-B-9 (4'-6') (500-180587-9) and 40392-B-12 (3.5'-5.5') (500-180587-10)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: 40392-B-8 (9'-11') (500-180587-8).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The following sample was diluted due to the abundance of non-target analytes: 40392-B-9 (4'-6') (500-180587-9). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-1 (5.5'-7.5') — Lab Sample ID: 500-180587-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.0		0.97	0.33	mg/Kg	1	☼	6010B	Total/NA
Barium	42	V	0.97	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.19	B	0.19	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.97	0.48	mg/Kg	1	☼	6010B	Total/NA
Lead	9.3		0.49	0.22	mg/Kg	1	☼	6010B	Total/NA
Silver	0.27	J	0.49	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.019		0.018	0.0060	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: 40392-B-2 (4'-6') — Lab Sample ID: 500-180587-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.7		1.1	0.37	mg/Kg	1	☼	6010B	Total/NA
Barium	50		1.1	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.40	B	0.22	0.039	mg/Kg	1	☼	6010B	Total/NA
Chromium	18		1.1	0.54	mg/Kg	1	☼	6010B	Total/NA
Lead	22		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Silver	0.24	J	0.55	0.14	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.018		0.017	0.0055	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: 40392-B-3 (4'-6') — Lab Sample ID: 500-180587-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.6		1.0	0.35	mg/Kg	1	☼	6010B	Total/NA
Barium	29		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.28	B	0.20	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	13		1.0	0.51	mg/Kg	1	☼	6010B	Total/NA
Lead	12		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Silver	0.23	J	0.51	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.015	J	0.018	0.0059	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: 40392-B-4 (4'-6') — Lab Sample ID: 500-180587-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.0090	J	0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0061	J	0.037	0.0058	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.0089	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.0092	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Arsenic	3.5		1.0	0.35	mg/Kg	1	☼	6010B	Total/NA
Barium	32		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.23	B	0.21	0.037	mg/Kg	1	☼	6010B	Total/NA
Chromium	12		1.0	0.51	mg/Kg	1	☼	6010B	Total/NA
Lead	8.2		0.51	0.24	mg/Kg	1	☼	6010B	Total/NA
Silver	0.19	J	0.51	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.012	J	0.017	0.0055	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: 40392-B-5 (3'-5') — Lab Sample ID: 500-180587-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.2		1.0	0.35	mg/Kg	1	☼	6010B	Total/NA
Barium	39		1.0	0.12	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25	B	0.20	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		1.0	0.50	mg/Kg	1	☼	6010B	Total/NA
Lead	9.7		0.51	0.23	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-5 (3'-5') (Continued)
Lab Sample ID: 500-180587-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.24	J	0.51	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.013	J	0.018	0.0060	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: 40392-B-6 (3'-5')
Lab Sample ID: 500-180587-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		0.99	0.34	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.99	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.26	B	0.20	0.035	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.99	0.49	mg/Kg	1	☼	6010B	Total/NA
Lead	9.0		0.49	0.23	mg/Kg	1	☼	6010B	Total/NA
Silver	0.23	J	0.49	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.011	J	0.018	0.0060	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: 40392-B-7 (3'-5')
Lab Sample ID: 500-180587-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.11		0.10	0.037	mg/Kg	50	☼	8260B	Total/NA
Benzene	0.077		0.026	0.015	mg/Kg	50	☼	8260B	Total/NA
Ethylbenzene	0.051		0.026	0.019	mg/Kg	50	☼	8260B	Total/NA
Naphthalene	0.15		0.10	0.034	mg/Kg	50	☼	8260B	Total/NA
Toluene	0.28		0.026	0.015	mg/Kg	50	☼	8260B	Total/NA
Xylenes, Total	0.37		0.051	0.023	mg/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	0.066	J	0.079	0.0095	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.074	J	0.079	0.0072	mg/Kg	1	☼	8270D	Total/NA
Acenaphthene	0.10		0.039	0.0070	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.023	J	0.039	0.0052	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.19		0.039	0.0065	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.91		0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	1.1		0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	1.5		0.039	0.0084	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.40		0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.49		0.039	0.012	mg/Kg	1	☼	8270D	Total/NA
Chrysene	1.1		0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.13		0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	2.2		0.039	0.0072	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.083		0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.37		0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.064		0.039	0.0060	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	1.4		0.039	0.0054	mg/Kg	1	☼	8270D	Total/NA
Pyrene	2.1		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
Arsenic	5.8		1.1	0.38	mg/Kg	1	☼	6010B	Total/NA
Barium	69		1.1	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.41	B	0.22	0.040	mg/Kg	1	☼	6010B	Total/NA
Chromium	17		1.1	0.54	mg/Kg	1	☼	6010B	Total/NA
Lead	140		0.55	0.25	mg/Kg	1	☼	6010B	Total/NA
Silver	0.28	J	0.55	0.14	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.066		0.019	0.0064	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-8 (9'-11')
Lab Sample ID: 500-180587-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.18		0.088	0.033	mg/Kg	50	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	14		0.088	0.033	mg/Kg	50	☼	8260B	Total/NA
Benzene	0.13		0.022	0.013	mg/Kg	50	☼	8260B	Total/NA
cis-1,2-Dichloroethene	0.052	J	0.088	0.036	mg/Kg	50	☼	8260B	Total/NA
Ethylbenzene	5.6		0.022	0.016	mg/Kg	50	☼	8260B	Total/NA
Isopropylbenzene	1.8		0.088	0.034	mg/Kg	50	☼	8260B	Total/NA
Naphthalene	3.9		0.088	0.029	mg/Kg	50	☼	8260B	Total/NA
n-Butylbenzene	10		0.088	0.034	mg/Kg	50	☼	8260B	Total/NA
N-Propylbenzene	4.2		0.088	0.036	mg/Kg	50	☼	8260B	Total/NA
p-Isopropyltoluene	5.1		0.088	0.032	mg/Kg	50	☼	8260B	Total/NA
sec-Butylbenzene	3.8		0.088	0.035	mg/Kg	50	☼	8260B	Total/NA
tert-Butylbenzene	0.38		0.088	0.035	mg/Kg	50	☼	8260B	Total/NA
Tetrachloroethene	0.15		0.088	0.032	mg/Kg	50	☼	8260B	Total/NA
Toluene	0.23		0.022	0.013	mg/Kg	50	☼	8260B	Total/NA
Trichloroethene	2.2		0.044	0.014	mg/Kg	50	☼	8260B	Total/NA
Xylenes, Total	15		0.044	0.019	mg/Kg	50	☼	8260B	Total/NA
1,2,4-Trimethylbenzene - DL	34		0.88	0.31	mg/Kg	500	☼	8260B	Total/NA
1-Methylnaphthalene	0.77		0.074	0.0090	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	1.1		0.074	0.0068	mg/Kg	1	☼	8270D	Total/NA
Acenaphthene	0.47		0.037	0.0066	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.052		0.037	0.0049	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.55		0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.83		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.87		0.037	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.95		0.037	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.28		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.32		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.84		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.097		0.037	0.0071	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	2.2		0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.48		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.27		0.037	0.0095	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	2.1		0.037	0.0057	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	2.4		0.037	0.0051	mg/Kg	1	☼	8270D	Total/NA
Pyrene	1.8		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
PCB-1254	0.13		0.018	0.0038	mg/Kg	1	☼	8082A	Total/NA
Arsenic	6.2		0.99	0.34	mg/Kg	1	☼	6010B	Total/NA
Barium	34		0.99	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.38	B	0.20	0.036	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		0.99	0.49	mg/Kg	1	☼	6010B	Total/NA
Lead	22		0.49	0.23	mg/Kg	1	☼	6010B	Total/NA
Silver	0.18	J	0.49	0.13	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.091		0.017	0.0056	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: 40392-B-9 (4'-6')
Lab Sample ID: 500-180587-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.077	J	0.11	0.042	mg/Kg	50	☼	8260B	Total/NA
1,2,4-Trimethylbenzene	0.35		0.11	0.039	mg/Kg	50	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	0.080	J	0.11	0.042	mg/Kg	50	☼	8260B	Total/NA
Benzene	0.046		0.028	0.016	mg/Kg	50	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Client Sample ID: 40392-B-9 (4'-6') (Continued)
Lab Sample ID: 500-180587-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.13		0.028	0.020	mg/Kg	50	☼	8260B	Total/NA
Isopropylbenzene	0.11		0.11	0.042	mg/Kg	50	☼	8260B	Total/NA
Naphthalene	0.70		0.11	0.037	mg/Kg	50	☼	8260B	Total/NA
n-Butylbenzene	0.059	J	0.11	0.043	mg/Kg	50	☼	8260B	Total/NA
N-Propylbenzene	0.13		0.11	0.046	mg/Kg	50	☼	8260B	Total/NA
sec-Butylbenzene	0.045	J	0.11	0.044	mg/Kg	50	☼	8260B	Total/NA
Toluene	0.29		0.028	0.016	mg/Kg	50	☼	8260B	Total/NA
Trichloroethene	0.16		0.055	0.018	mg/Kg	50	☼	8260B	Total/NA
Xylenes, Total	1.0		0.055	0.024	mg/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	0.69		0.076	0.0092	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.84		0.076	0.0070	mg/Kg	1	☼	8270D	Total/NA
Acenaphthene	0.041		0.038	0.0068	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.074		0.038	0.0063	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.30		0.038	0.0051	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.32		0.038	0.0073	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.57		0.038	0.0082	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.13		0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.14		0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.45		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.053		0.038	0.0073	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.55		0.038	0.0070	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.031	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.12		0.038	0.0098	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.67		0.038	0.0058	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.67		0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.50		0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Arsenic	18		5.7	2.0	mg/Kg	5	☼	6010B	Total/NA
Barium	53		1.1	0.13	mg/Kg	1	☼	6010B	Total/NA
Chromium	35		1.1	0.57	mg/Kg	1	☼	6010B	Total/NA
Lead	56		2.9	1.3	mg/Kg	5	☼	6010B	Total/NA
Silver	0.72		0.57	0.15	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.070		0.019	0.0062	mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: 40392-B-12 (3.5'-5.5')
Lab Sample ID: 500-180587-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.012	J	0.035	0.0048	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.011	J	0.035	0.0071	mg/Kg	1	☼	8270D	Total/NA
Arsenic	7.9		0.95	0.33	mg/Kg	1	☼	6010B	Total/NA
Barium	23		0.95	0.11	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.57	B	0.19	0.034	mg/Kg	1	☼	6010B	Total/NA
Chromium	12		0.95	0.47	mg/Kg	1	☼	6010B	Total/NA
Lead	9.5		0.48	0.22	mg/Kg	1	☼	6010B	Total/NA
Silver	0.21	J	0.48	0.12	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.0078	J	0.016	0.0054	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471A	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7471A	Preparation, Mercury	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-180587-1	40392-B-1 (5.5'-7.5')	Solid	04/10/20 11:10	04/14/20 09:40	
500-180587-2	40392-B-2 (4'-6')	Solid	04/10/20 10:40	04/14/20 09:40	
500-180587-3	40392-B-3 (4'-6')	Solid	04/10/20 09:50	04/14/20 09:40	
500-180587-4	40392-B-4 (4'-6')	Solid	04/10/20 14:40	04/14/20 09:40	
500-180587-5	40392-B-5 (3'-5')	Solid	04/10/20 15:05	04/14/20 09:40	
500-180587-6	40392-B-6 (3'-5')	Solid	04/10/20 15:25	04/14/20 09:40	
500-180587-7	40392-B-7 (3'-5')	Solid	04/10/20 13:10	04/14/20 09:40	
500-180587-8	40392-B-8 (9'-11')	Solid	04/10/20 14:20	04/14/20 09:40	
500-180587-9	40392-B-9 (4'-6')	Solid	04/10/20 16:00	04/14/20 09:40	
500-180587-10	40392-B-12 (3.5'-5.5')	Solid	04/10/20 16:50	04/14/20 09:40	

Client Sample ID: 40392-B-1 (5.5'-7.5')
Date Collected: 04/10/20 11:10
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-1
Matrix: Solid
Percent Solids: 88.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.040		0.087	0.040	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1,1-Trichloroethane	<0.033		0.087	0.033	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1,2,2-Tetrachloroethane	<0.035		0.087	0.035	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1,2-Trichloroethane	<0.031		0.087	0.031	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1-Dichloroethane	<0.036		0.087	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1-Dichloroethene	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,1-Dichloropropene	<0.026		0.087	0.026	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2,3-Trichlorobenzene	<0.040		0.087	0.040	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2,3-Trichloropropane	<0.036		0.17	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2,4-Trichlorobenzene	<0.030		0.087	0.030	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2,4-Trimethylbenzene	<0.031		0.087	0.031	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dibromo-3-Chloropropane	<0.17		0.44	0.17	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dibromoethane	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dichlorobenzene	<0.029		0.087	0.029	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dichloroethane	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,2-Dichloropropane	<0.037		0.087	0.037	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,3,5-Trimethylbenzene	<0.033		0.087	0.033	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,3-Dichlorobenzene	<0.035		0.087	0.035	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,3-Dichloropropane	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
1,4-Dichlorobenzene	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
2,2-Dichloropropane	<0.039		0.087	0.039	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
2-Chlorotoluene	<0.027		0.087	0.027	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
4-Chlorotoluene	<0.030		0.087	0.030	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Benzene	<0.013		0.022	0.013	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromobenzene	<0.031		0.087	0.031	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromochloromethane	<0.037		0.087	0.037	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromodichloromethane	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromoform	<0.042		0.087	0.042	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Bromomethane	<0.069	*	0.26	0.069	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Carbon tetrachloride	<0.033		0.087	0.033	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Chlorobenzene	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Chloroethane	<0.044		0.087	0.044	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Chloroform	<0.032		0.17	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Chloromethane	<0.028		0.087	0.028	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
cis-1,2-Dichloroethene	<0.036		0.087	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
cis-1,3-Dichloropropene	<0.036		0.087	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Dibromochloromethane	<0.042		0.087	0.042	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Dibromomethane	<0.023		0.087	0.023	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Dichlorodifluoromethane	<0.059		0.26	0.059	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Ethylbenzene	<0.016		0.022	0.016	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Hexachlorobutadiene	<0.039		0.087	0.039	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Isopropyl ether	<0.024		0.087	0.024	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Isopropylbenzene	<0.033		0.087	0.033	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Methyl tert-butyl ether	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Methylene Chloride	<0.14		0.44	0.14	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Naphthalene	<0.029		0.087	0.029	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
n-Butylbenzene	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
N-Propylbenzene	<0.036		0.087	0.036	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
p-Isopropyltoluene	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50

Client Sample ID: 40392-B-1 (5.5'-7.5')
Lab Sample ID: 500-180587-1

Date Collected: 04/10/20 11:10
Matrix: Solid

Date Received: 04/14/20 09:40
Percent Solids: 88.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.035		0.087	0.035	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Styrene	<0.034		0.087	0.034	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
tert-Butylbenzene	<0.035		0.087	0.035	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Tetrachloroethene	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Toluene	<0.013		0.022	0.013	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
trans-1,2-Dichloroethene	<0.030		0.087	0.030	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
trans-1,3-Dichloropropene	<0.032		0.087	0.032	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Trichloroethene	<0.014		0.044	0.014	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Trichlorofluoromethane	<0.037		0.087	0.037	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Vinyl chloride	<0.023		0.087	0.023	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50
Xylenes, Total	<0.019		0.044	0.019	mg/Kg	☼	04/10/20 11:10	04/21/20 16:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*	*04/10/20 11:10*	*04/21/20 16:53*	*50*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*	*04/10/20 11:10*	*04/21/20 16:53*	*50*
Dibromofluoromethane (Surr)	*102*		*75 - 120*	*04/10/20 11:10*	*04/21/20 16:53*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*04/10/20 11:10*	*04/21/20 16:53*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0091		0.076	0.0091	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Acenaphthene	<0.0067		0.037	0.0067	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Acenaphthylene	<0.0049		0.037	0.0049	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[a]anthracene	<0.0050		0.037	0.0050	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[a]pyrene	<0.0072		0.037	0.0072	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[b]fluoranthene	<0.0081		0.037	0.0081	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Dibenz(a,h)anthracene	<0.0072		0.037	0.0072	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Fluoranthene	<0.0069		0.037	0.0069	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Naphthalene	<0.0058		0.037	0.0058	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1
Pyrene	<0.0074		0.037	0.0074	mg/Kg	☼	04/22/20 16:18	04/23/20 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*43 - 145*	*04/22/20 16:18*	*04/23/20 18:44*	*1*
Nitrobenzene-d5 (Surr)	*71*		*37 - 147*	*04/22/20 16:18*	*04/23/20 18:44*	*1*
Terphenyl-d14 (Surr)	*127*		*42 - 157*	*04/22/20 16:18*	*04/23/20 18:44*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.0**		0.97	0.33	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Barium	**42**	**V**	0.97	0.11	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Cadmium	**0.19**	**B**	0.19	0.035	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Chromium	**15**		0.97	0.48	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1

Client Sample ID: 40392-B-1 (5.5'-7.5')
Lab Sample ID: 500-180587-1

Date Collected: 04/10/20 11:10
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.1

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**9.3**		0.49	0.22	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Selenium	<0.57		0.97	0.57	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1
Silver	**0.27**	**J**	0.49	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 08:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.019**		0.018	0.0060	mg/Kg	☼	04/20/20 13:55	04/21/20 08:31	1

Client Sample ID: 40392-B-2 (4'-6')
Lab Sample ID: 500-180587-2

Date Collected: 04/10/20 10:40
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.036		0.079	0.036	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1,1-Trichloroethane	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1,2,2-Tetrachloroethane	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1,2-Trichloroethane	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1-Dichloroethane	<0.032		0.079	0.032	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1-Dichloroethene	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,1-Dichloropropene	<0.024		0.079	0.024	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2,3-Trichlorobenzene	<0.036		0.079	0.036	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2,3-Trichloropropane	<0.033		0.16	0.033	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2,4-Trichlorobenzene	<0.027		0.079	0.027	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2,4-Trimethylbenzene	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dibromo-3-Chloropropane	<0.16		0.39	0.16	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dibromoethane	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dichlorobenzene	<0.026		0.079	0.026	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dichloroethane	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,2-Dichloropropane	<0.034		0.079	0.034	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,3,5-Trimethylbenzene	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,3-Dichlorobenzene	<0.032		0.079	0.032	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,3-Dichloropropane	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
1,4-Dichlorobenzene	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
2,2-Dichloropropane	<0.035		0.079	0.035	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
2-Chlorotoluene	<0.025		0.079	0.025	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
4-Chlorotoluene	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Benzene	<0.012		0.020	0.012	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromobenzene	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromochloromethane	<0.034		0.079	0.034	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromodichloromethane	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromoform	<0.038		0.079	0.038	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Bromomethane	<0.063	*	0.24	0.063	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Carbon tetrachloride	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Chlorobenzene	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Chloroethane	<0.040		0.079	0.040	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Chloroform	<0.029		0.16	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Chloromethane	<0.025		0.079	0.025	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
cis-1,2-Dichloroethene	<0.032		0.079	0.032	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
cis-1,3-Dichloropropene	<0.033		0.079	0.033	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50

Client Sample ID: 40392-B-2 (4'-6')
Date Collected: 04/10/20 10:40
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-2
Matrix: Solid
Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	<0.039		0.079	0.039	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Dibromomethane	<0.021		0.079	0.021	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Dichlorodifluoromethane	<0.053		0.24	0.053	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Ethylbenzene	<0.014		0.020	0.014	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Hexachlorobutadiene	<0.035		0.079	0.035	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Isopropyl ether	<0.022		0.079	0.022	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Isopropylbenzene	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Methyl tert-butyl ether	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Methylene Chloride	<0.13		0.39	0.13	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Naphthalene	<0.026		0.079	0.026	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
n-Butylbenzene	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
N-Propylbenzene	<0.033		0.079	0.033	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
p-Isopropyltoluene	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
sec-Butylbenzene	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Styrene	<0.030		0.079	0.030	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
tert-Butylbenzene	<0.031		0.079	0.031	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Tetrachloroethene	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Toluene	<0.012		0.020	0.012	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
trans-1,2-Dichloroethene	<0.028		0.079	0.028	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
trans-1,3-Dichloropropene	<0.029		0.079	0.029	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Trichloroethene	<0.013		0.039	0.013	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Trichlorofluoromethane	<0.034		0.079	0.034	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Vinyl chloride	<0.021		0.079	0.021	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50
Xylenes, Total	<0.017		0.039	0.017	mg/Kg	☼	04/10/20 10:40	04/21/20 17:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*	*04/10/20 10:40*	*04/21/20 17:17*	*50*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*	*04/10/20 10:40*	*04/21/20 17:17*	*50*
Dibromofluoromethane (Surr)	*102*		*75 - 120*	*04/10/20 10:40*	*04/21/20 17:17*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*04/10/20 10:40*	*04/21/20 17:17*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0092		0.076	0.0092	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Acenaphthene	<0.0068		0.037	0.0068	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Acenaphthylene	<0.0050		0.037	0.0050	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[a]anthracene	<0.0051		0.037	0.0051	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[a]pyrene	<0.0073		0.037	0.0073	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[b]fluoranthene	<0.0081		0.037	0.0081	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Dibenz(a,h)anthracene	<0.0073		0.037	0.0073	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Fluoranthene	<0.0070		0.037	0.0070	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Naphthalene	<0.0058		0.037	0.0058	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1

Client Sample ID: 40392-B-2 (4'-6')
Lab Sample ID: 500-180587-2
Date Collected: 04/10/20 10:40
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.0075		0.037	0.0075	mg/Kg	☼	04/22/20 16:18	04/23/20 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*43 - 145*	*04/22/20 16:18*	*04/23/20 19:13*	*1*
Nitrobenzene-d5 (Surr)	*82*		*37 - 147*	*04/22/20 16:18*	*04/23/20 19:13*	*1*
Terphenyl-d14 (Surr)	*133*		*42 - 157*	*04/22/20 16:18*	*04/23/20 19:13*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.7**		1.1	0.37	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Barium	**50**		1.1	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Cadmium	**0.40**	**B**	0.22	0.039	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Chromium	**18**		1.1	0.54	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Lead	**22**		0.55	0.25	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Selenium	<0.64		1.1	0.64	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1
Silver	**0.24**	**J**	0.55	0.14	mg/Kg	☼	04/15/20 17:29	04/16/20 09:25	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.018**		0.017	0.0055	mg/Kg	☼	04/20/20 13:55	04/21/20 08:33	1

Client Sample ID: 40392-B-3 (4'-6')
Lab Sample ID: 500-180587-3
Date Collected: 04/10/20 09:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.039		0.084	0.039	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1,1-Trichloroethane	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1,2,2-Tetrachloroethane	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1,2-Trichloroethane	<0.029		0.084	0.029	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1-Dichloroethane	<0.034		0.084	0.034	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1-Dichloroethene	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,1-Dichloropropene	<0.025		0.084	0.025	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2,3-Trichlorobenzene	<0.038		0.084	0.038	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2,3-Trichloropropane	<0.035		0.17	0.035	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2,4-Trichlorobenzene	<0.029		0.084	0.029	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2,4-Trimethylbenzene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dibromo-3-Chloropropane	<0.17		0.42	0.17	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dibromoethane	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dichlorobenzene	<0.028		0.084	0.028	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dichloroethane	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,2-Dichloropropane	<0.036		0.084	0.036	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,3,5-Trimethylbenzene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,3-Dichlorobenzene	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,3-Dichloropropane	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
1,4-Dichlorobenzene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
2,2-Dichloropropane	<0.037		0.084	0.037	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
2-Chlorotoluene	<0.026		0.084	0.026	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
4-Chlorotoluene	<0.029		0.084	0.029	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Benzene	<0.012		0.021	0.012	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50

Client Sample ID: 40392-B-3 (4'-6')
Lab Sample ID: 500-180587-3
Date Collected: 04/10/20 09:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Bromochloromethane	<0.036		0.084	0.036	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Bromodichloromethane	<0.031		0.084	0.031	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Bromoform	<0.040		0.084	0.040	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Bromomethane	<0.067	*	0.25	0.067	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Carbon tetrachloride	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Chlorobenzene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Chloroethane	<0.042		0.084	0.042	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Chloroform	<0.031		0.17	0.031	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Chloromethane	<0.027		0.084	0.027	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
cis-1,2-Dichloroethene	<0.034		0.084	0.034	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
cis-1,3-Dichloropropene	<0.035		0.084	0.035	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Dibromochloromethane	<0.041		0.084	0.041	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Dibromomethane	<0.023		0.084	0.023	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Dichlorodifluoromethane	<0.056		0.25	0.056	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Ethylbenzene	<0.015		0.021	0.015	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Hexachlorobutadiene	<0.037		0.084	0.037	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Isopropyl ether	<0.023		0.084	0.023	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Isopropylbenzene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Methyl tert-butyl ether	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Methylene Chloride	<0.14		0.42	0.14	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Naphthalene	<0.028		0.084	0.028	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
n-Butylbenzene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
N-Propylbenzene	<0.035		0.084	0.035	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
p-Isopropyltoluene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
sec-Butylbenzene	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Styrene	<0.032		0.084	0.032	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
tert-Butylbenzene	<0.033		0.084	0.033	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Tetrachloroethene	<0.031		0.084	0.031	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Toluene	<0.012		0.021	0.012	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
trans-1,2-Dichloroethene	<0.029		0.084	0.029	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
trans-1,3-Dichloropropene	<0.030		0.084	0.030	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Trichloroethene	<0.014		0.042	0.014	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Trichlorofluoromethane	<0.036		0.084	0.036	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Vinyl chloride	<0.022		0.084	0.022	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50
Xylenes, Total	<0.018		0.042	0.018	mg/Kg	☼	04/10/20 09:50	04/21/20 17:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*	*04/10/20 09:50*	*04/21/20 17:41*	*50*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*	*04/10/20 09:50*	*04/21/20 17:41*	*50*
Dibromofluoromethane (Surr)	*101*		*75 - 120*	*04/10/20 09:50*	*04/21/20 17:41*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*04/10/20 09:50*	*04/21/20 17:41*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0092		0.076	0.0092	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Acenaphthene	<0.0068		0.037	0.0068	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Acenaphthylene	<0.0050		0.037	0.0050	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1

Client Sample ID: 40392-B-3 (4'-6')
Lab Sample ID: 500-180587-3
Date Collected: 04/10/20 09:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	<0.0051		0.037	0.0051	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Benzo[a]pyrene	<0.0073		0.037	0.0073	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Benzo[b]fluoranthene	<0.0081		0.037	0.0081	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Dibenz(a,h)anthracene	<0.0073		0.037	0.0073	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Fluoranthene	<0.0070		0.037	0.0070	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Naphthalene	<0.0058		0.037	0.0058	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1
Pyrene	<0.0075		0.037	0.0075	mg/Kg	☼	04/24/20 07:35	04/24/20 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*43 - 145*	*04/24/20 07:35*	*04/24/20 22:12*	*1*
Nitrobenzene-d5 (Surr)	*73*		*37 - 147*	*04/24/20 07:35*	*04/24/20 22:12*	*1*
Terphenyl-d14 (Surr)	*123*		*42 - 157*	*04/24/20 07:35*	*04/24/20 22:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.6**		1.0	0.35	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Barium	**29**		1.0	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Cadmium	**0.28**	**B**	0.20	0.037	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Chromium	**13**		1.0	0.51	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Lead	**12**		0.51	0.24	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Selenium	<0.60		1.0	0.60	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1
Silver	**0.23**	**J**	0.51	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:29	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.018	0.0059	mg/Kg	☼	04/20/20 13:55	04/21/20 08:35	1

Client Sample ID: 40392-B-4 (4'-6')
Lab Sample ID: 500-180587-4
Date Collected: 04/10/20 14:40
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.043		0.092	0.043	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1,1-Trichloroethane	<0.035		0.092	0.035	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1,2,2-Tetrachloroethane	<0.037		0.092	0.037	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1,2-Trichloroethane	<0.032		0.092	0.032	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1-Dichloroethane	<0.038		0.092	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1-Dichloroethene	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,1-Dichloropropene	<0.027		0.092	0.027	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2,3-Trichlorobenzene	<0.042		0.092	0.042	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2,3-Trichloropropane	<0.038		0.18	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2,4-Trichlorobenzene	<0.032		0.092	0.032	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2,4-Trimethylbenzene	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2-Dibromo-3-Chloropropane	<0.18	*	0.46	0.18	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-4 (4'-6')
Lab Sample ID: 500-180587-4
Date Collected: 04/10/20 14:40
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2-Dichlorobenzene	<0.031		0.092	0.031	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2-Dichloroethane	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,2-Dichloropropane	<0.039		0.092	0.039	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,3,5-Trimethylbenzene	<0.035		0.092	0.035	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,3-Dichlorobenzene	<0.037		0.092	0.037	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,3-Dichloropropane	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
1,4-Dichlorobenzene	<0.034		0.092	0.034	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
2,2-Dichloropropane	<0.041		0.092	0.041	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
2-Chlorotoluene	<0.029		0.092	0.029	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
4-Chlorotoluene	<0.032		0.092	0.032	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Benzene	<0.013		0.023	0.013	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromobenzene	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromochloromethane	<0.039		0.092	0.039	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromodichloromethane	<0.034		0.092	0.034	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromoform	<0.045		0.092	0.045	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Bromomethane	<0.073	*	0.28	0.073	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Carbon tetrachloride	<0.035		0.092	0.035	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Chlorobenzene	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Chloroethane	<0.046		0.092	0.046	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Chloroform	<0.034		0.18	0.034	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Chloromethane	<0.029		0.092	0.029	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
cis-1,2-Dichloroethene	<0.038		0.092	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
cis-1,3-Dichloropropene	<0.038		0.092	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Dibromochloromethane	<0.045		0.092	0.045	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Dibromomethane	<0.025		0.092	0.025	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Dichlorodifluoromethane	<0.062		0.28	0.062	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Ethylbenzene	<0.017		0.023	0.017	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Hexachlorobutadiene	<0.041		0.092	0.041	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Isopropyl ether	<0.025		0.092	0.025	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Isopropylbenzene	<0.035		0.092	0.035	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Methyl tert-butyl ether	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Methylene Chloride	<0.15		0.46	0.15	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Naphthalene	<0.031		0.092	0.031	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
n-Butylbenzene	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
N-Propylbenzene	<0.038		0.092	0.038	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
p-Isopropyltoluene	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
sec-Butylbenzene	<0.037		0.092	0.037	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Styrene	<0.036		0.092	0.036	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
tert-Butylbenzene	<0.037		0.092	0.037	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Tetrachloroethene	<0.034		0.092	0.034	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Toluene	<0.014		0.023	0.014	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
trans-1,2-Dichloroethene	<0.032		0.092	0.032	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
trans-1,3-Dichloropropene	<0.033		0.092	0.033	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Trichloroethene	<0.015		0.046	0.015	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Trichlorofluoromethane	<0.039		0.092	0.039	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Vinyl chloride	<0.024		0.092	0.024	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50
Xylenes, Total	<0.020		0.046	0.020	mg/Kg	☼	04/10/20 14:40	04/22/20 01:10	50

Client Sample ID: 40392-B-4 (4'-6')
Date Collected: 04/10/20 14:40
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-4
Matrix: Solid
Percent Solids: 87.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*86*		*75 - 126*	*04/10/20 14:40*	*04/22/20 01:10*	*50*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*04/10/20 14:40*	*04/22/20 01:10*	*50*
Dibromofluoromethane (Surr)	*99*		*75 - 120*	*04/10/20 14:40*	*04/22/20 01:10*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*04/10/20 14:40*	*04/22/20 01:10*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0091		0.076	0.0091	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Acenaphthene	<0.0067		0.037	0.0067	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Acenaphthylene	<0.0049		0.037	0.0049	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[a]anthracene	<0.0050		0.037	0.0050	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[a]pyrene	<0.0072		0.037	0.0072	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[b]fluoranthene	**0.0090**	**J**	0.037	0.0081	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Dibenz(a,h)anthracene	<0.0072		0.037	0.0072	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Fluoranthene	<0.0069		0.037	0.0069	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Naphthalene	**0.0061**	**J**	0.037	0.0058	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Phenanthrene	**0.0089**	**J**	0.037	0.0052	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1
Pyrene	**0.0092**	**J**	0.037	0.0074	mg/Kg	☼	04/24/20 07:35	04/24/20 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*78*		*43 - 145*	*04/24/20 07:35*	*04/24/20 22:42*	*1*
Nitrobenzene-d5 (Surr)	*77*		*37 - 147*	*04/24/20 07:35*	*04/24/20 22:42*	*1*
Terphenyl-d14 (Surr)	*117*		*42 - 157*	*04/24/20 07:35*	*04/24/20 22:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.5**		1.0	0.35	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
Barium	**32**		1.0	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
Cadmium	**0.23**	**B**	0.21	0.037	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
Chromium	**12**		1.0	0.51	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
Lead	**8.2**		0.51	0.24	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
Selenium	<0.60		1.0	0.60	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1
Silver	**0.19**	**J**	0.51	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:33	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.017	0.0055	mg/Kg	☼	04/20/20 13:55	04/21/20 08:37	1

Client Sample ID: 40392-B-5 (3'-5')
Date Collected: 04/10/20 15:05
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-5
Matrix: Solid
Percent Solids: 86.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.046		0.10	0.046	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1,1-Trichloroethane	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1,2,2-Tetrachloroethane	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1,2-Trichloroethane	<0.035		0.10	0.035	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1-Dichloroethane	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1-Dichloroethene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,1-Dichloropropene	<0.030		0.10	0.030	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2,3-Trichlorobenzene	<0.046		0.10	0.046	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2,3-Trichloropropane	<0.041		0.20	0.041	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2,4-Trichlorobenzene	<0.034		0.10	0.034	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2,4-Trimethylbenzene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dibromo-3-Chloropropane	<0.20	*	0.50	0.20	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dibromoethane	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dichlorobenzene	<0.033		0.10	0.033	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dichloroethane	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,2-Dichloropropane	<0.043		0.10	0.043	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,3,5-Trimethylbenzene	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,3-Dichlorobenzene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,3-Dichloropropane	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
1,4-Dichlorobenzene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
2,2-Dichloropropane	<0.044		0.10	0.044	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
2-Chlorotoluene	<0.031		0.10	0.031	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
4-Chlorotoluene	<0.035		0.10	0.035	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Benzene	<0.015		0.025	0.015	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromobenzene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromochloromethane	<0.043		0.10	0.043	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromodichloromethane	<0.037		0.10	0.037	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromoform	<0.048		0.10	0.048	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Bromomethane	<0.080	*	0.30	0.080	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Carbon tetrachloride	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Chlorobenzene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Chloroethane	<0.050		0.10	0.050	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Chloroform	<0.037		0.20	0.037	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Chloromethane	<0.032		0.10	0.032	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
cis-1,2-Dichloroethene	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
cis-1,3-Dichloropropene	<0.042		0.10	0.042	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Dibromochloromethane	<0.049		0.10	0.049	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Dibromomethane	<0.027		0.10	0.027	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Dichlorodifluoromethane	<0.067		0.30	0.067	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Ethylbenzene	<0.018		0.025	0.018	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Hexachlorobutadiene	<0.045		0.10	0.045	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Isopropyl ether	<0.028		0.10	0.028	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Isopropylbenzene	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Methyl tert-butyl ether	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Methylene Chloride	<0.16		0.50	0.16	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Naphthalene	<0.033		0.10	0.033	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
n-Butylbenzene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
N-Propylbenzene	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
p-Isopropyltoluene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-5 (3'-5')
Lab Sample ID: 500-180587-5
Date Collected: 04/10/20 15:05
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 86.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Styrene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
tert-Butylbenzene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Tetrachloroethene	<0.037		0.10	0.037	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Toluene	<0.015		0.025	0.015	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
trans-1,2-Dichloroethene	<0.035		0.10	0.035	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
trans-1,3-Dichloropropene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Trichloroethene	<0.016		0.050	0.016	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Trichlorofluoromethane	<0.043		0.10	0.043	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Vinyl chloride	<0.026		0.10	0.026	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50
Xylenes, Total	<0.022		0.050	0.022	mg/Kg	☼	04/10/20 15:05	04/22/20 01:35	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*	*04/10/20 15:05*	*04/22/20 01:35*	*50*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*	*04/10/20 15:05*	*04/22/20 01:35*	*50*
Dibromofluoromethane (Surr)	*97*		*75 - 120*	*04/10/20 15:05*	*04/22/20 01:35*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*04/10/20 15:05*	*04/22/20 01:35*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0093		0.077	0.0093	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
2-Methylnaphthalene	<0.0070		0.077	0.0070	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Acenaphthene	<0.0068		0.038	0.0068	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Acenaphthylene	<0.0050		0.038	0.0050	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Anthracene	<0.0064		0.038	0.0064	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[a]anthracene	<0.0051		0.038	0.0051	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[a]pyrene	<0.0074		0.038	0.0074	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[b]fluoranthene	<0.0082		0.038	0.0082	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[g,h,i]perylene	<0.012		0.038	0.012	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Benzo[k]fluoranthene	<0.011		0.038	0.011	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Chrysene	<0.010		0.038	0.010	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Dibenz(a,h)anthracene	<0.0074		0.038	0.0074	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Fluoranthene	<0.0071		0.038	0.0071	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Fluorene	<0.0053		0.038	0.0053	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Indeno[1,2,3-cd]pyrene	<0.0099		0.038	0.0099	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Naphthalene	<0.0059		0.038	0.0059	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Phenanthrene	<0.0053		0.038	0.0053	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1
Pyrene	<0.0076		0.038	0.0076	mg/Kg	☼	04/24/20 07:35	04/24/20 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*43 - 145*	*04/24/20 07:35*	*04/24/20 23:12*	*1*
Nitrobenzene-d5 (Surr)	*82*		*37 - 147*	*04/24/20 07:35*	*04/24/20 23:12*	*1*
Terphenyl-d14 (Surr)	*123*		*42 - 157*	*04/24/20 07:35*	*04/24/20 23:12*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1

Client Sample ID: 40392-B-5 (3'-5')
Lab Sample ID: 500-180587-5
Date Collected: 04/10/20 15:05
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 86.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	☼	04/24/20 08:14	04/24/20 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*49 - 129*	*04/24/20 08:14*	*04/24/20 18:39*	*1*
DCB Decachlorobiphenyl	*113*		*37 - 121*	*04/24/20 08:14*	*04/24/20 18:39*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.2**		1.0	0.35	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Barium	**39**		1.0	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Cadmium	**0.25**	**B**	0.20	0.036	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Chromium	**15**		1.0	0.50	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Lead	**9.7**		0.51	0.23	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Selenium	<0.59		1.0	0.59	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1
Silver	**0.24**	**J**	0.51	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:38	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.018	0.0060	mg/Kg	☼	04/20/20 13:55	04/21/20 08:39	1

Client Sample ID: 40392-B-6 (3'-5')
Lab Sample ID: 500-180587-6
Date Collected: 04/10/20 15:25
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.059		0.13	0.059	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1,1-Trichloroethane	<0.048		0.13	0.048	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1,2,2-Tetrachloroethane	<0.051		0.13	0.051	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1,2-Trichloroethane	<0.045		0.13	0.045	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1-Dichloroethane	<0.052		0.13	0.052	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1-Dichloroethene	<0.050		0.13	0.050	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,1-Dichloropropene	<0.038		0.13	0.038	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2,3-Trichlorobenzene	<0.058		0.13	0.058	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2,3-Trichloropropane	<0.053		0.25	0.053	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2,4-Trichlorobenzene	<0.044		0.13	0.044	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2,4-Trimethylbenzene	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dibromo-3-Chloropropane	<0.25	*	0.64	0.25	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dibromoethane	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dichlorobenzene	<0.043		0.13	0.043	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dichloroethane	<0.050		0.13	0.050	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,2-Dichloropropane	<0.055		0.13	0.055	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,3,5-Trimethylbenzene	<0.048		0.13	0.048	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,3-Dichlorobenzene	<0.051		0.13	0.051	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,3-Dichloropropane	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
1,4-Dichlorobenzene	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
2,2-Dichloropropane	<0.057		0.13	0.057	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
2-Chlorotoluene	<0.040		0.13	0.040	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
4-Chlorotoluene	<0.045		0.13	0.045	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50

Client Sample ID: 40392-B-6 (3'-5')
Lab Sample ID: 500-180587-6
Date Collected: 04/10/20 15:25
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.019		0.032	0.019	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromobenzene	<0.045		0.13	0.045	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromochloromethane	<0.055		0.13	0.055	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromodichloromethane	<0.047		0.13	0.047	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromoform	<0.062		0.13	0.062	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Bromomethane	<0.10	*	0.38	0.10	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Carbon tetrachloride	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Chlorobenzene	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Chloroethane	<0.064		0.13	0.064	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Chloroform	<0.047		0.25	0.047	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Chloromethane	<0.041		0.13	0.041	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
cis-1,2-Dichloroethene	<0.052		0.13	0.052	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
cis-1,3-Dichloropropene	<0.053		0.13	0.053	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Dibromochloromethane	<0.062		0.13	0.062	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Dibromomethane	<0.034		0.13	0.034	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Dichlorodifluoromethane	<0.086		0.38	0.086	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Ethylbenzene	<0.023		0.032	0.023	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Hexachlorobutadiene	<0.057		0.13	0.057	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Isopropyl ether	<0.035		0.13	0.035	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Isopropylbenzene	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Methyl tert-butyl ether	<0.050		0.13	0.050	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Methylene Chloride	<0.21		0.64	0.21	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Naphthalene	<0.043		0.13	0.043	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
n-Butylbenzene	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
N-Propylbenzene	<0.053		0.13	0.053	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
p-Isopropyltoluene	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
sec-Butylbenzene	<0.051		0.13	0.051	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Styrene	<0.049		0.13	0.049	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
tert-Butylbenzene	<0.051		0.13	0.051	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Tetrachloroethene	<0.047		0.13	0.047	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Toluene	<0.019		0.032	0.019	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
trans-1,2-Dichloroethene	<0.045		0.13	0.045	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
trans-1,3-Dichloropropene	<0.046		0.13	0.046	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Trichloroethene	<0.021		0.064	0.021	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Trichlorofluoromethane	<0.055		0.13	0.055	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Vinyl chloride	<0.033		0.13	0.033	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50
Xylenes, Total	<0.028		0.064	0.028	mg/Kg	☼	04/10/20 15:25	04/22/20 02:01	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*	*04/10/20 15:25*	*04/22/20 02:01*	*50*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*	*04/10/20 15:25*	*04/22/20 02:01*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 120*	*04/10/20 15:25*	*04/22/20 02:01*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*	*04/10/20 15:25*	*04/22/20 02:01*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0090		0.074	0.0090	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
2-Methylnaphthalene	<0.0068		0.074	0.0068	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Acenaphthene	<0.0066		0.037	0.0066	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Acenaphthylene	<0.0048		0.037	0.0048	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1

Client Sample ID: 40392-B-6 (3'-5')
Lab Sample ID: 500-180587-6

Date Collected: 04/10/20 15:25
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.0061		0.037	0.0061	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[a]anthracene	<0.0049		0.037	0.0049	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[a]pyrene	<0.0071		0.037	0.0071	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[b]fluoranthene	<0.0079		0.037	0.0079	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Dibenz(a,h)anthracene	<0.0071		0.037	0.0071	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Fluoranthene	<0.0068		0.037	0.0068	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Fluorene	<0.0052		0.037	0.0052	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Indeno[1,2,3-cd]pyrene	<0.0095		0.037	0.0095	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Naphthalene	<0.0057		0.037	0.0057	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Phenanthrene	<0.0051		0.037	0.0051	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1
Pyrene	<0.0073		0.037	0.0073	mg/Kg	☼	04/24/20 07:35	04/24/20 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*43 - 145*	*04/24/20 07:35*	*04/24/20 23:41*	*1*
Nitrobenzene-d5 (Surr)	*85*		*37 - 147*	*04/24/20 07:35*	*04/24/20 23:41*	*1*
Terphenyl-d14 (Surr)	*126*		*42 - 157*	*04/24/20 07:35*	*04/24/20 23:41*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**		0.99	0.34	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Barium	**36**		0.99	0.11	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Cadmium	**0.26**	**B**	0.20	0.035	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Chromium	**15**		0.99	0.49	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Lead	**9.0**		0.49	0.23	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Selenium	<0.58		0.99	0.58	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1
Silver	**0.23**	**J**	0.49	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:42	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.018	0.0060	mg/Kg	☼	04/20/20 13:55	04/21/20 08:42	1

Client Sample ID: 40392-B-7 (3'-5')
Lab Sample ID: 500-180587-7

Date Collected: 04/10/20 13:10
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 84.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.047		0.10	0.047	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1,1-Trichloroethane	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1,2,2-Tetrachloroethane	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1,2-Trichloroethane	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1-Dichloroethane	<0.042		0.10	0.042	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1-Dichloroethene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,1-Dichloropropene	<0.031		0.10	0.031	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2,3-Trichlorobenzene	<0.047		0.10	0.047	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2,3-Trichloropropane	<0.042		0.20	0.042	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2,4-Trichlorobenzene	<0.035		0.10	0.035	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2,4-Trimethylbenzene	**0.11**		0.10	0.037	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50

Client Sample ID: 40392-B-7 (3'-5')
Lab Sample ID: 500-180587-7
Date Collected: 04/10/20 13:10
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 84.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.20	*	0.51	0.20	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2-Dibromoethane	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2-Dichlorobenzene	<0.034		0.10	0.034	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2-Dichloroethane	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,2-Dichloropropane	<0.044		0.10	0.044	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,3,5-Trimethylbenzene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,3-Dichlorobenzene	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,3-Dichloropropane	<0.037		0.10	0.037	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
1,4-Dichlorobenzene	<0.037		0.10	0.037	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
2,2-Dichloropropane	<0.045		0.10	0.045	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
2-Chlorotoluene	<0.032		0.10	0.032	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
4-Chlorotoluene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Benzene	**0.077**		0.026	0.015	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Bromobenzene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Bromochloromethane	<0.044		0.10	0.044	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Bromodichloromethane	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Bromoform	<0.050		0.10	0.050	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Bromomethane	<0.081	*	0.31	0.081	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Carbon tetrachloride	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Chlorobenzene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Chloroethane	<0.052		0.10	0.052	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Chloroform	<0.038		0.20	0.038	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Chloromethane	<0.033		0.10	0.033	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
cis-1,2-Dichloroethene	<0.042		0.10	0.042	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
cis-1,3-Dichloropropene	<0.043		0.10	0.043	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Dibromochloromethane	<0.050		0.10	0.050	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Dibromomethane	<0.028		0.10	0.028	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Dichlorodifluoromethane	<0.069		0.31	0.069	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Ethylbenzene	**0.051**		0.026	0.019	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Hexachlorobutadiene	<0.046		0.10	0.046	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Isopropyl ether	<0.028		0.10	0.028	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Isopropylbenzene	<0.039		0.10	0.039	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Methyl tert-butyl ether	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Methylene Chloride	<0.17		0.51	0.17	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Naphthalene	**0.15**		0.10	0.034	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
n-Butylbenzene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
N-Propylbenzene	<0.042		0.10	0.042	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
p-Isopropyltoluene	<0.037		0.10	0.037	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
sec-Butylbenzene	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Styrene	<0.040		0.10	0.040	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
tert-Butylbenzene	<0.041		0.10	0.041	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Tetrachloroethene	<0.038		0.10	0.038	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Toluene	**0.28**		0.026	0.015	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
trans-1,2-Dichloroethene	<0.036		0.10	0.036	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
trans-1,3-Dichloropropene	<0.037		0.10	0.037	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Trichloroethene	<0.017		0.051	0.017	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Trichlorofluoromethane	<0.044		0.10	0.044	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Vinyl chloride	<0.027		0.10	0.027	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50
Xylenes, Total	**0.37**		0.051	0.023	mg/Kg	☼	04/10/20 13:10	04/22/20 02:26	50

Client Sample ID: 40392-B-7 (3'-5')
Date Collected: 04/10/20 13:10
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-7
Matrix: Solid
Percent Solids: 84.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		75 - 126	04/10/20 13:10	04/22/20 02:26	50
4-Bromofluorobenzene (Surr)	99		72 - 124	04/10/20 13:10	04/22/20 02:26	50
Dibromofluoromethane (Surr)	95		75 - 120	04/10/20 13:10	04/22/20 02:26	50
Toluene-d8 (Surr)	91		75 - 120	04/10/20 13:10	04/22/20 02:26	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.066	J	0.079	0.0095	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
2-Methylnaphthalene	0.074	J	0.079	0.0072	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Acenaphthene	0.10		0.039	0.0070	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Acenaphthylene	0.023	J	0.039	0.0052	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Anthracene	0.19		0.039	0.0065	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Benzo[a]anthracene	0.91		0.039	0.0053	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Benzo[a]pyrene	1.1		0.039	0.0076	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Benzo[b]fluoranthene	1.5		0.039	0.0084	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Benzo[g,h,i]perylene	0.40		0.039	0.013	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Benzo[k]fluoranthene	0.49		0.039	0.012	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Chrysene	1.1		0.039	0.011	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Dibenz(a,h)anthracene	0.13		0.039	0.0076	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Fluoranthene	2.2		0.039	0.0072	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Fluorene	0.083		0.039	0.0055	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Indeno[1,2,3-cd]pyrene	0.37		0.039	0.010	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Naphthalene	0.064		0.039	0.0060	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Phenanthrene	1.4		0.039	0.0054	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1
Pyrene	2.1		0.039	0.0078	mg/Kg	☼	04/24/20 07:35	04/25/20 02:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	87		43 - 145	04/24/20 07:35	04/25/20 02:39	1
Nitrobenzene-d5 (Surr)	75		37 - 147	04/24/20 07:35	04/25/20 02:39	1
Terphenyl-d14 (Surr)	104		42 - 157	04/24/20 07:35	04/25/20 02:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8		1.1	0.38	mg/Kg	☼	04/15/20 17:29	04/16/20 09:46	1
Barium	69		1.1	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:46	1
Cadmium	0.41	B	0.22	0.040	mg/Kg	☼	04/15/20 17:29	04/16/20 09:46	1
Chromium	17		1.1	0.54	mg/Kg	☼	04/15/20 17:29	04/16/20 09:46	1
Lead	140		0.55	0.25	mg/Kg	☼	04/15/20 17:29	04/16/20 09:46	1
Selenium	<0.65		1.1	0.65	mg/Kg	☼	04/15/20 17:29	04/16/20 09:46	1
Silver	0.28	J	0.55	0.14	mg/Kg	☼	04/15/20 17:29	04/16/20 09:46	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.066		0.019	0.0064	mg/Kg	☼	04/20/20 13:55	04/21/20 08:44	1

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-8 (9'-11')
Lab Sample ID: 500-180587-8
Date Collected: 04/10/20 14:20
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 89.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.041		0.088	0.041	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,1,1-Trichloroethane	**0.18**		0.088	0.033	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,1,2,2-Tetrachloroethane	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,1,2-Trichloroethane	<0.031		0.088	0.031	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,1-Dichloroethane	<0.036		0.088	0.036	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,1-Dichloroethene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,1-Dichloropropene	<0.026		0.088	0.026	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,2,3-Trichlorobenzene	<0.040		0.088	0.040	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,2,3-Trichloropropane	<0.036		0.18	0.036	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,2,4-Trichlorobenzene	<0.030		0.088	0.030	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,2-Dibromo-3-Chloropropane	<0.17	*	0.44	0.17	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,2-Dibromoethane	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,2-Dichlorobenzene	<0.029		0.088	0.029	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,2-Dichloroethane	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,2-Dichloropropane	<0.038		0.088	0.038	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,3,5-Trimethylbenzene	**14**		0.088	0.033	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,3-Dichlorobenzene	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,3-Dichloropropane	<0.032		0.088	0.032	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
1,4-Dichlorobenzene	<0.032		0.088	0.032	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
2,2-Dichloropropane	<0.039		0.088	0.039	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
2-Chlorotoluene	<0.028		0.088	0.028	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
4-Chlorotoluene	<0.031		0.088	0.031	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Benzene	**0.13**		0.022	0.013	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Bromobenzene	<0.031		0.088	0.031	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Bromochloromethane	<0.038		0.088	0.038	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Bromodichloromethane	<0.033		0.088	0.033	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Bromoform	<0.043		0.088	0.043	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Bromomethane	<0.070	*	0.26	0.070	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Carbon tetrachloride	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Chlorobenzene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Chloroethane	<0.044		0.088	0.044	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Chloroform	<0.032		0.18	0.032	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Chloromethane	<0.028		0.088	0.028	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
cis-1,2-Dichloroethene	**0.052**	**J**	0.088	0.036	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
cis-1,3-Dichloropropene	<0.037		0.088	0.037	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Dibromochloromethane	<0.043		0.088	0.043	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Dibromomethane	<0.024		0.088	0.024	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Dichlorodifluoromethane	<0.059		0.26	0.059	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Ethylbenzene	**5.6**		0.022	0.016	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Hexachlorobutadiene	<0.039		0.088	0.039	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Isopropyl ether	<0.024		0.088	0.024	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Isopropylbenzene	**1.8**		0.088	0.034	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Methyl tert-butyl ether	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Methylene Chloride	<0.14		0.44	0.14	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Naphthalene	**3.9**		0.088	0.029	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
n-Butylbenzene	**10**		0.088	0.034	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
N-Propylbenzene	**4.2**		0.088	0.036	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
p-Isopropyltoluene	**5.1**		0.088	0.032	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
sec-Butylbenzene	**3.8**		0.088	0.035	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50

Client Sample ID: 40392-B-8 (9'-11')
Date Collected: 04/10/20 14:20
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-8
Matrix: Solid
Percent Solids: 89.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
tert-Butylbenzene	**0.38**		0.088	0.035	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Tetrachloroethene	**0.15**		0.088	0.032	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Toluene	**0.23**		0.022	0.013	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
trans-1,2-Dichloroethene	<0.031		0.088	0.031	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
trans-1,3-Dichloropropene	<0.032		0.088	0.032	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Trichloroethene	**2.2**		0.044	0.014	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Trichlorofluoromethane	<0.038		0.088	0.038	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Vinyl chloride	<0.023		0.088	0.023	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50
Xylenes, Total	**15**		0.044	0.019	mg/Kg	☼	04/10/20 14:20	04/22/20 03:42	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*04/10/20 14:20*	*04/22/20 03:42*	*50*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*	*04/10/20 14:20*	*04/22/20 03:42*	*50*
Dibromofluoromethane (Surr)	*92*		*75 - 120*	*04/10/20 14:20*	*04/22/20 03:42*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*04/10/20 14:20*	*04/22/20 03:42*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**34**		0.88	0.31	mg/Kg	☼	04/10/20 14:20	04/22/20 17:27	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*	*04/10/20 14:20*	*04/22/20 17:27*	*500*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*	*04/10/20 14:20*	*04/22/20 17:27*	*500*
Dibromofluoromethane (Surr)	*108*		*75 - 120*	*04/10/20 14:20*	*04/22/20 17:27*	*500*
Toluene-d8 (Surr)	*101*		*75 - 120*	*04/10/20 14:20*	*04/22/20 17:27*	*500*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**0.77**		0.074	0.0090	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
2-Methylnaphthalene	**1.1**		0.074	0.0068	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Acenaphthene	**0.47**		0.037	0.0066	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Acenaphthylene	**0.052**		0.037	0.0049	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Anthracene	**0.55**		0.037	0.0062	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Benzo[a]anthracene	**0.83**		0.037	0.0050	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Benzo[a]pyrene	**0.87**		0.037	0.0071	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Benzo[b]fluoranthene	**0.95**		0.037	0.0079	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Benzo[g,h,i]perylene	**0.28**		0.037	0.012	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Benzo[k]fluoranthene	**0.32**		0.037	0.011	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Chrysene	**0.84**		0.037	0.010	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Dibenz(a,h)anthracene	**0.097**		0.037	0.0071	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Fluoranthene	**2.2**		0.037	0.0068	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Fluorene	**0.48**		0.037	0.0052	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Indeno[1,2,3-cd]pyrene	**0.27**		0.037	0.0095	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Naphthalene	**2.1**		0.037	0.0057	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Phenanthrene	**2.4**		0.037	0.0051	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1
Pyrene	**1.8**		0.037	0.0073	mg/Kg	☼	04/24/20 07:35	04/25/20 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*90*		*43 - 145*	*04/24/20 07:35*	*04/25/20 00:11*	*1*
Nitrobenzene-d5 (Surr)	*48*		*37 - 147*	*04/24/20 07:35*	*04/25/20 00:11*	*1*

Client Sample ID: 40392-B-8 (9'-11')
Lab Sample ID: 500-180587-8
Date Collected: 04/10/20 14:20
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	*92*		*42 - 157*	*04/24/20 07:35*	*04/25/20 00:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0063		0.018	0.0063	mg/Kg	☼	04/24/20 08:14	04/24/20 19:25	1
PCB-1221	<0.0078		0.018	0.0078	mg/Kg	☼	04/24/20 08:14	04/24/20 19:25	1
PCB-1232	<0.0078		0.018	0.0078	mg/Kg	☼	04/24/20 08:14	04/24/20 19:25	1
PCB-1242	<0.0059		0.018	0.0059	mg/Kg	☼	04/24/20 08:14	04/24/20 19:25	1
PCB-1248	<0.0070		0.018	0.0070	mg/Kg	☼	04/24/20 08:14	04/24/20 19:25	1
PCB-1254	**0.13**		0.018	0.0038	mg/Kg	☼	04/24/20 08:14	04/24/20 19:25	1
PCB-1260	<0.0088		0.018	0.0088	mg/Kg	☼	04/24/20 08:14	04/24/20 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*85*		*49 - 129*	*04/24/20 08:14*	*04/24/20 19:25*	*1*
DCB Decachlorobiphenyl	*84*		*37 - 121*	*04/24/20 08:14*	*04/24/20 19:25*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**6.2**		0.99	0.34	mg/Kg	☼	04/15/20 17:29	04/16/20 09:49	1
Barium	**34**		0.99	0.11	mg/Kg	☼	04/15/20 17:29	04/16/20 09:49	1
Cadmium	**0.38**	**B**	0.20	0.036	mg/Kg	☼	04/15/20 17:29	04/16/20 09:49	1
Chromium	**15**		0.99	0.49	mg/Kg	☼	04/15/20 17:29	04/16/20 09:49	1
Lead	**22**		0.49	0.23	mg/Kg	☼	04/15/20 17:29	04/16/20 09:49	1
Selenium	<0.58		0.99	0.58	mg/Kg	☼	04/15/20 17:29	04/16/20 09:49	1
Silver	**0.18**	**J**	0.49	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:49	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.091**		0.017	0.0056	mg/Kg	☼	04/20/20 13:55	04/21/20 08:50	1

Client Sample ID: 40392-B-9 (4'-6')
Lab Sample ID: 500-180587-9
Date Collected: 04/10/20 16:00
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.051		0.11	0.051	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,1,1-Trichloroethane	**0.077**	**J**	0.11	0.042	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,1,2,2-Tetrachloroethane	<0.044		0.11	0.044	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,1,2-Trichloroethane	<0.039		0.11	0.039	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,1-Dichloroethane	<0.045		0.11	0.045	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,1-Dichloroethene	<0.043		0.11	0.043	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,1-Dichloropropene	<0.033		0.11	0.033	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,2,3-Trichlorobenzene	<0.050		0.11	0.050	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,2,3-Trichloropropane	<0.046		0.22	0.046	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,2,4-Trichlorobenzene	<0.038		0.11	0.038	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,2,4-Trimethylbenzene	**0.35**		0.11	0.039	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,2-Dibromo-3-Chloropropane	<0.22	*	0.55	0.22	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,2-Dibromoethane	<0.042		0.11	0.042	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,2-Dichlorobenzene	<0.037		0.11	0.037	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50

Client Sample ID: 40392-B-9 (4'-6')
Date Collected: 04/10/20 16:00
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-9
Matrix: Solid
Percent Solids: 87.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.043		0.11	0.043	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,2-Dichloropropane	<0.047		0.11	0.047	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,3,5-Trimethylbenzene	**0.080**	**J**	0.11	0.042	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,3-Dichlorobenzene	<0.044		0.11	0.044	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,3-Dichloropropane	<0.040		0.11	0.040	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
1,4-Dichlorobenzene	<0.040		0.11	0.040	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
2,2-Dichloropropane	<0.049		0.11	0.049	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
2-Chlorotoluene	<0.035		0.11	0.035	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
4-Chlorotoluene	<0.039		0.11	0.039	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Benzene	**0.046**		0.028	0.016	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Bromobenzene	<0.039		0.11	0.039	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Bromochloromethane	<0.047		0.11	0.047	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Bromodichloromethane	<0.041		0.11	0.041	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Bromoform	<0.053		0.11	0.053	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Bromomethane	<0.088	*	0.33	0.088	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Carbon tetrachloride	<0.042		0.11	0.042	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Chlorobenzene	<0.042		0.11	0.042	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Chloroethane	<0.055		0.11	0.055	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Chloroform	<0.041		0.22	0.041	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Chloromethane	<0.035		0.11	0.035	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
cis-1,2-Dichloroethene	<0.045		0.11	0.045	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
cis-1,3-Dichloropropene	<0.046		0.11	0.046	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Dibromochloromethane	<0.054		0.11	0.054	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Dibromomethane	<0.030		0.11	0.030	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Dichlorodifluoromethane	<0.074		0.33	0.074	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Ethylbenzene	**0.13**		0.028	0.020	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Hexachlorobutadiene	<0.049		0.11	0.049	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Isopropyl ether	<0.030		0.11	0.030	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Isopropylbenzene	**0.11**		0.11	0.042	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Methyl tert-butyl ether	<0.043		0.11	0.043	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Methylene Chloride	<0.18		0.55	0.18	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Naphthalene	**0.70**		0.11	0.037	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
n-Butylbenzene	**0.059**	**J**	0.11	0.043	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
N-Propylbenzene	**0.13**		0.11	0.046	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
p-Isopropyltoluene	<0.040		0.11	0.040	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
sec-Butylbenzene	**0.045**	**J**	0.11	0.044	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Styrene	<0.042		0.11	0.042	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
tert-Butylbenzene	<0.044		0.11	0.044	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Tetrachloroethene	<0.041		0.11	0.041	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Toluene	**0.29**		0.028	0.016	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
trans-1,2-Dichloroethene	<0.039		0.11	0.039	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
trans-1,3-Dichloropropene	<0.040		0.11	0.040	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Trichloroethene	**0.16**		0.055	0.018	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Trichlorofluoromethane	<0.047		0.11	0.047	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Vinyl chloride	<0.029		0.11	0.029	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50
Xylenes, Total	**1.0**		0.055	0.024	mg/Kg	☼	04/10/20 16:00	04/22/20 03:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*	*04/10/20 16:00*	*04/22/20 03:16*	*50*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*	*04/10/20 16:00*	*04/22/20 03:16*	*50*

Client Sample ID: 40392-B-9 (4'-6')
Lab Sample ID: 500-180587-9

Date Collected: 04/10/20 16:00
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*94*		*75 - 120*	*04/10/20 16:00*	*04/22/20 03:16*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*04/10/20 16:00*	*04/22/20 03:16*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**0.69**		0.076	0.0092	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
2-Methylnaphthalene	**0.84**		0.076	0.0070	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Acenaphthene	**0.041**		0.038	0.0068	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Acenaphthylene	<0.0050		0.038	0.0050	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Anthracene	**0.074**		0.038	0.0063	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Benzo[a]anthracene	**0.30**		0.038	0.0051	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Benzo[a]pyrene	**0.32**		0.038	0.0073	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Benzo[b]fluoranthene	**0.57**		0.038	0.0082	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Benzo[g,h,i]perylene	**0.13**		0.038	0.012	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Benzo[k]fluoranthene	**0.14**		0.038	0.011	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Chrysene	**0.45**		0.038	0.010	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Dibenz(a,h)anthracene	**0.053**		0.038	0.0073	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Fluoranthene	**0.55**		0.038	0.0070	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Fluorene	**0.031**	**J**	0.038	0.0053	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Indeno[1,2,3-cd]pyrene	**0.12**		0.038	0.0098	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Naphthalene	**0.67**		0.038	0.0058	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Phenanthrene	**0.67**		0.038	0.0053	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1
Pyrene	**0.50**		0.038	0.0075	mg/Kg	☼	04/24/20 07:35	04/25/20 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*98*		*43 - 145*	*04/24/20 07:35*	*04/25/20 00:41*	*1*
Nitrobenzene-d5 (Surr)	*84*		*37 - 147*	*04/24/20 07:35*	*04/25/20 00:41*	*1*
Terphenyl-d14 (Surr)	*107*		*42 - 157*	*04/24/20 07:35*	*04/25/20 00:41*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**18**		5.7	2.0	mg/Kg	☼	04/15/20 17:29	04/16/20 10:09	5
Barium	**53**		1.1	0.13	mg/Kg	☼	04/15/20 17:29	04/16/20 09:53	1
Cadmium	<0.21		1.1	0.21	mg/Kg	☼	04/15/20 17:29	04/16/20 10:09	5
Chromium	**35**		1.1	0.57	mg/Kg	☼	04/15/20 17:29	04/16/20 09:53	1
Lead	**56**		2.9	1.3	mg/Kg	☼	04/15/20 17:29	04/16/20 10:09	5
Selenium	<0.67		1.1	0.67	mg/Kg	☼	04/15/20 17:29	04/16/20 09:53	1
Silver	**0.72**		0.57	0.15	mg/Kg	☼	04/15/20 17:29	04/16/20 09:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.070**		0.019	0.0062	mg/Kg	☼	04/20/20 13:55	04/21/20 08:52	1

Client Sample ID: 40392-B-12 (3.5'-5.5')
Lab Sample ID: 500-180587-10

Date Collected: 04/10/20 16:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.041		0.088	0.041	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-12 (3.5'-5.5')
Lab Sample ID: 500-180587-10
Date Collected: 04/10/20 16:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,1,2,2-Tetrachloroethane	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,1,2-Trichloroethane	<0.031		0.088	0.031	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,1-Dichloroethane	<0.036		0.088	0.036	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,1-Dichloroethene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,1-Dichloropropene	<0.026		0.088	0.026	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2,3-Trichlorobenzene	<0.040		0.088	0.040	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2,3-Trichloropropane	<0.037		0.18	0.037	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2,4-Trichlorobenzene	<0.030		0.088	0.030	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2,4-Trimethylbenzene	<0.032		0.088	0.032	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2-Dibromo-3-Chloropropane	<0.18	*	0.44	0.18	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2-Dibromoethane	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2-Dichlorobenzene	<0.030		0.088	0.030	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2-Dichloroethane	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,2-Dichloropropane	<0.038		0.088	0.038	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,3,5-Trimethylbenzene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,3-Dichlorobenzene	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,3-Dichloropropane	<0.032		0.088	0.032	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
1,4-Dichlorobenzene	<0.032		0.088	0.032	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
2,2-Dichloropropane	<0.039		0.088	0.039	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
2-Chlorotoluene	<0.028		0.088	0.028	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
4-Chlorotoluene	<0.031		0.088	0.031	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Benzene	<0.013		0.022	0.013	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Bromobenzene	<0.031		0.088	0.031	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Bromochloromethane	<0.038		0.088	0.038	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Bromodichloromethane	<0.033		0.088	0.033	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Bromoform	<0.043		0.088	0.043	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Bromomethane	<0.070	*	0.27	0.070	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Carbon tetrachloride	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Chlorobenzene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Chloroethane	<0.045		0.088	0.045	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Chloroform	<0.033		0.18	0.033	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Chloromethane	<0.028		0.088	0.028	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
cis-1,2-Dichloroethene	<0.036		0.088	0.036	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
cis-1,3-Dichloropropene	<0.037		0.088	0.037	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Dibromochloromethane	<0.043		0.088	0.043	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Dibromomethane	<0.024		0.088	0.024	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Dichlorodifluoromethane	<0.060		0.27	0.060	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Ethylbenzene	<0.016		0.022	0.016	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Hexachlorobutadiene	<0.039		0.088	0.039	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Isopropyl ether	<0.024		0.088	0.024	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Isopropylbenzene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Methyl tert-butyl ether	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Methylene Chloride	<0.14		0.44	0.14	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Naphthalene	<0.030		0.088	0.030	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
n-Butylbenzene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
N-Propylbenzene	<0.037		0.088	0.037	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
p-Isopropyltoluene	<0.032		0.088	0.032	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
sec-Butylbenzene	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50

Client Sample ID: 40392-B-12 (3.5'-5.5')
Lab Sample ID: 500-180587-10

Date Collected: 04/10/20 16:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 90.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.034		0.088	0.034	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
tert-Butylbenzene	<0.035		0.088	0.035	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Tetrachloroethene	<0.033		0.088	0.033	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Toluene	<0.013		0.022	0.013	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
trans-1,2-Dichloroethene	<0.031		0.088	0.031	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
trans-1,3-Dichloropropene	<0.032		0.088	0.032	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Trichloroethene	<0.014		0.044	0.014	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Trichlorofluoromethane	<0.038		0.088	0.038	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Vinyl chloride	<0.023		0.088	0.023	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50
Xylenes, Total	<0.019		0.044	0.019	mg/Kg	☼	04/10/20 16:50	04/22/20 02:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*	*04/10/20 16:50*	*04/22/20 02:51*	*50*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*04/10/20 16:50*	*04/22/20 02:51*	*50*
Dibromofluoromethane (Surr)	*95*		*75 - 120*	*04/10/20 16:50*	*04/22/20 02:51*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*04/10/20 16:50*	*04/22/20 02:51*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0087		0.072	0.0087	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
2-Methylnaphthalene	<0.0066		0.072	0.0066	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Acenaphthene	<0.0064		0.035	0.0064	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Acenaphthylene	<0.0047		0.035	0.0047	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Anthracene	<0.0060		0.035	0.0060	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Benzo[a]anthracene	**0.012**	**J**	0.035	0.0048	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Benzo[a]pyrene	<0.0069		0.035	0.0069	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Benzo[b]fluoranthene	<0.0077		0.035	0.0077	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Benzo[g,h,i]perylene	<0.012		0.035	0.012	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Benzo[k]fluoranthene	<0.011		0.035	0.011	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Chrysene	<0.0097		0.035	0.0097	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Dibenz(a,h)anthracene	<0.0069		0.035	0.0069	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Fluoranthene	<0.0066		0.035	0.0066	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Fluorene	<0.0050		0.035	0.0050	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Indeno[1,2,3-cd]pyrene	<0.0093		0.035	0.0093	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Naphthalene	<0.0055		0.035	0.0055	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Phenanthrene	<0.0050		0.035	0.0050	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1
Pyrene	**0.011**	**J**	0.035	0.0071	mg/Kg	☼	04/24/20 07:35	04/25/20 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*97*		*43 - 145*	*04/24/20 07:35*	*04/25/20 01:11*	*1*
Nitrobenzene-d5 (Surr)	*86*		*37 - 147*	*04/24/20 07:35*	*04/25/20 01:11*	*1*
Terphenyl-d14 (Surr)	*111*		*42 - 157*	*04/24/20 07:35*	*04/25/20 01:11*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**7.9**		0.95	0.33	mg/Kg	☼	04/15/20 17:29	04/16/20 09:57	1
Barium	**23**		0.95	0.11	mg/Kg	☼	04/15/20 17:29	04/16/20 09:57	1
Cadmium	**0.57**	**B**	0.19	0.034	mg/Kg	☼	04/15/20 17:29	04/16/20 09:57	1
Chromium	**12**		0.95	0.47	mg/Kg	☼	04/15/20 17:29	04/16/20 09:57	1
Lead	**9.5**		0.48	0.22	mg/Kg	☼	04/15/20 17:29	04/16/20 09:57	1

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-12 (3.5'-5.5')
Lab Sample ID: 500-180587-10
Date Collected: 04/10/20 16:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 90.8

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.56		0.95	0.56	mg/Kg	☼	04/15/20 17:29	04/16/20 09:57	1
Silver	**0.21**	**J**	0.48	0.12	mg/Kg	☼	04/15/20 17:29	04/16/20 09:57	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0078**	**J**	0.016	0.0054	mg/Kg	☼	04/20/20 13:55	04/21/20 08:54	1

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
V	Serial Dilution exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Prep Batch: 538558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	5035	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	5035	
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	5035	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	5035	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	5035	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	5035	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	5035	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	5035	
500-180587-8 - DL	40392-B-8 (9'-11')	Total/NA	Solid	5035	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	5035	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	5035	
LB3 500-538558/11-A	Method Blank	Total/NA	Solid	5035	
LCS 500-538558/12-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 539012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	8260B	538558
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	8260B	538558
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	8260B	538558
LB3 500-538558/11-A	Method Blank	Total/NA	Solid	8260B	538558
MB 500-539012/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-538558/12-A	Lab Control Sample	Total/NA	Solid	8260B	538558
LCS 500-539012/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 539158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	8260B	538558
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	8260B	538558
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	8260B	538558
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	8260B	538558
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	8260B	538558
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	8260B	538558
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	8260B	538558
MB 500-539158/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-539158/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 539221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-8 - DL	40392-B-8 (9'-11')	Total/NA	Solid	8260B	538558
MB 500-539221/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-539221/4	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 539345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3541	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	3541	
MB 500-539345/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-539345/2-A	Lab Control Sample	Total/NA	Solid	3541	

GC/MS Semi VOA

Analysis Batch: 539494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	8270D	539345
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	8270D	539345
MB 500-539345/1-A	Method Blank	Total/NA	Solid	8270D	539345
LCS 500-539345/2-A	Lab Control Sample	Total/NA	Solid	8270D	539345

Prep Batch: 539625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	3541	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	3541	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	3541	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	3541	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	3541	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	3541	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	3541	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	3541	
MB 500-539625/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-539625/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 539715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	8270D	539625
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	8270D	539625
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	8270D	539625
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	8270D	539625
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	8270D	539625
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	8270D	539625
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	8270D	539625
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	8270D	539625
MB 500-539625/1-A	Method Blank	Total/NA	Solid	8270D	539625
LCS 500-539625/2-A	Lab Control Sample	Total/NA	Solid	8270D	539625

GC Semi VOA

Prep Batch: 539634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	3541	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	3541	
MB 500-539634/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-539634/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-180587-5 MS	40392-B-5 (3'-5')	Total/NA	Solid	3541	
500-180587-5 MSD	40392-B-5 (3'-5')	Total/NA	Solid	3541	

Analysis Batch: 539664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	8082A	539634
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	8082A	539634
MB 500-539634/1-A	Method Blank	Total/NA	Solid	8082A	539634
LCS 500-539634/2-A	Lab Control Sample	Total/NA	Solid	8082A	539634
500-180587-5 MS	40392-B-5 (3'-5')	Total/NA	Solid	8082A	539634
500-180587-5 MSD	40392-B-5 (3'-5')	Total/NA	Solid	8082A	539634

Metals

Prep Batch: 538296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3050B	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	3050B	
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	3050B	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	3050B	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	3050B	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	3050B	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	3050B	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	3050B	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	3050B	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	3050B	
MB 500-538296/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-538296/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-180587-1 MS	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3050B	
500-180587-1 MSD	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3050B	
500-180587-1 DU	40392-B-1 (5.5'-7.5')	Total/NA	Solid	3050B	

Analysis Batch: 538485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	6010B	538296
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	6010B	538296
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	6010B	538296
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	6010B	538296
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	6010B	538296
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	6010B	538296
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	6010B	538296
MB 500-538296/1-A	Method Blank	Total/NA	Solid	6010B	538296
LCS 500-538296/2-A	Lab Control Sample	Total/NA	Solid	6010B	538296
500-180587-1 MS	40392-B-1 (5.5'-7.5')	Total/NA	Solid	6010B	538296
500-180587-1 MSD	40392-B-1 (5.5'-7.5')	Total/NA	Solid	6010B	538296
500-180587-1 DU	40392-B-1 (5.5'-7.5')	Total/NA	Solid	6010B	538296

Prep Batch: 538861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	7471A	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	7471A	
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	7471A	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	7471A	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	7471A	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	7471A	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	7471A	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	7471A	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	7471A	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	7471A	
MB 500-538861/12-A	Method Blank	Total/NA	Solid	7471A	
LCS 500-538861/13-A	Lab Control Sample	Total/NA	Solid	7471A	

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Metals

Analysis Batch: 539069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	7471A	538861
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	7471A	538861
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	7471A	538861
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	7471A	538861
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	7471A	538861
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	7471A	538861
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	7471A	538861
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	7471A	538861
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	7471A	538861
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	7471A	538861
MB 500-538861/12-A	Method Blank	Total/NA	Solid	7471A	538861
LCS 500-538861/13-A	Lab Control Sample	Total/NA	Solid	7471A	538861

General Chemistry

Analysis Batch: 538055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180587-1	40392-B-1 (5.5'-7.5')	Total/NA	Solid	Moisture	
500-180587-2	40392-B-2 (4'-6')	Total/NA	Solid	Moisture	
500-180587-3	40392-B-3 (4'-6')	Total/NA	Solid	Moisture	
500-180587-4	40392-B-4 (4'-6')	Total/NA	Solid	Moisture	
500-180587-5	40392-B-5 (3'-5')	Total/NA	Solid	Moisture	
500-180587-6	40392-B-6 (3'-5')	Total/NA	Solid	Moisture	
500-180587-7	40392-B-7 (3'-5')	Total/NA	Solid	Moisture	
500-180587-8	40392-B-8 (9'-11')	Total/NA	Solid	Moisture	
500-180587-9	40392-B-9 (4'-6')	Total/NA	Solid	Moisture	
500-180587-10	40392-B-12 (3.5'-5.5')	Total/NA	Solid	Moisture	
500-180587-1 DU	40392-B-1 (5.5'-7.5')	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-180587-1	40392-B-1 (5.5'-7.5')	101	91	102	102
500-180587-2	40392-B-2 (4'-6')	101	90	102	102
500-180587-3	40392-B-3 (4'-6')	102	90	101	103
500-180587-4	40392-B-4 (4'-6')	86	101	99	92
500-180587-5	40392-B-5 (3'-5')	88	101	97	92
500-180587-6	40392-B-6 (3'-5')	88	99	93	93
500-180587-7	40392-B-7 (3'-5')	87	99	95	91
500-180587-8	40392-B-8 (9'-11')	84	112	92	98
500-180587-8 - DL	40392-B-8 (9'-11')	105	84	108	101
500-180587-9	40392-B-9 (4'-6')	88	99	94	92
500-180587-10	40392-B-12 (3.5'-5.5')	88	98	95	90
LB3 500-538558/11-A	Method Blank	105	91	105	101
LCS 500-538558/12-A	Lab Control Sample	103	90	107	100
LCS 500-539012/4	Lab Control Sample	96	91	101	105
LCS 500-539158/4	Lab Control Sample	85	88	102	89
LCS 500-539221/4	Lab Control Sample	96	90	102	103
MB 500-539012/6	Method Blank	101	91	102	103
MB 500-539158/6	Method Blank	89	105	100	93
MB 500-539221/6	Method Blank	98	90	100	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-180587-1	40392-B-1 (5.5'-7.5')	79	71	127
500-180587-2	40392-B-2 (4'-6')	92	82	133
500-180587-3	40392-B-3 (4'-6')	83	73	123
500-180587-4	40392-B-4 (4'-6')	78	77	117
500-180587-5	40392-B-5 (3'-5')	86	82	123
500-180587-6	40392-B-6 (3'-5')	92	85	126
500-180587-7	40392-B-7 (3'-5')	87	75	104
500-180587-8	40392-B-8 (9'-11')	90	48	92
500-180587-9	40392-B-9 (4'-6')	98	84	107
500-180587-10	40392-B-12 (3.5'-5.5')	97	86	111
LCS 500-539345/2-A	Lab Control Sample	104	95	122
LCS 500-539625/2-A	Lab Control Sample	104	100	129
MB 500-539345/1-A	Method Blank	108	96	138
MB 500-539625/1-A	Method Blank	102	88	135

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (49-129)	DCBP2 (37-121)
500-180587-5	40392-B-5 (3'-5')	94	113
500-180587-5 MS	40392-B-5 (3'-5')	98	113
500-180587-5 MSD	40392-B-5 (3'-5')	89	108
500-180587-8	40392-B-8 (9'-11')	85	84
LCS 500-539634/2-A	Lab Control Sample	100	115
MB 500-539634/1-A	Method Blank	91	111

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-538558/11-A
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538558

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-538558/11-A
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538558

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/17/20 00:20	04/21/20 18:05	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/17/20 00:20	04/21/20 18:05	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*	*04/17/20 00:20*	*04/21/20 18:05*	*50*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*	*04/17/20 00:20*	*04/21/20 18:05*	*50*
Dibromofluoromethane (Surr)	*105*		*75 - 120*	*04/17/20 00:20*	*04/21/20 18:05*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*04/17/20 00:20*	*04/21/20 18:05*	*50*

Lab Sample ID: LCS 500-538558/12-A
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.81		mg/Kg		112	70 - 125
1,1,1-Trichloroethane	2.50	2.59		mg/Kg		104	70 - 125
1,1,2,2-Tetrachloroethane	2.50	2.85		mg/Kg		114	62 - 140
1,1,2-Trichloroethane	2.50	2.82		mg/Kg		113	71 - 130
1,1-Dichloroethane	2.50	2.55		mg/Kg		102	70 - 125
1,1-Dichloroethene	2.50	2.47		mg/Kg		99	67 - 122
1,1-Dichloropropene	2.50	2.52		mg/Kg		101	70 - 121
1,2,3-Trichlorobenzene	2.50	2.82		mg/Kg		113	51 - 145
1,2,3-Trichloropropane	2.50	2.73		mg/Kg		109	50 - 133
1,2,4-Trichlorobenzene	2.50	2.66		mg/Kg		106	57 - 137
1,2,4-Trimethylbenzene	2.50	2.61		mg/Kg		104	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	2.47		mg/Kg		99	56 - 123
1,2-Dibromoethane	2.50	3.00		mg/Kg		120	70 - 125
1,2-Dichlorobenzene	2.50	2.82		mg/Kg		113	70 - 125
1,2-Dichloroethane	2.50	2.77		mg/Kg		111	68 - 127
1,2-Dichloropropane	2.50	2.62		mg/Kg		105	67 - 130
1,3,5-Trimethylbenzene	2.50	2.58		mg/Kg		103	70 - 123
1,3-Dichlorobenzene	2.50	2.71		mg/Kg		108	70 - 125
1,3-Dichloropropane	2.50	2.79		mg/Kg		112	62 - 136
1,4-Dichlorobenzene	2.50	2.70		mg/Kg		108	70 - 120
2,2-Dichloropropane	2.50	2.50		mg/Kg		100	58 - 139
2-Chlorotoluene	2.50	2.61		mg/Kg		104	70 - 125
4-Chlorotoluene	2.50	2.58		mg/Kg		103	68 - 124
Benzene	2.50	2.88		mg/Kg		115	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-538558/12-A
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.71		mg/Kg		108	70 - 122
Bromochloromethane	2.50	2.88		mg/Kg		115	65 - 122
Bromodichloromethane	2.50	2.80		mg/Kg		112	69 - 120
Bromoform	2.50	2.87		mg/Kg		115	56 - 132
Bromomethane	2.50	4.28	*	mg/Kg		171	40 - 152
Carbon tetrachloride	2.50	2.42		mg/Kg		97	59 - 133
Chlorobenzene	2.50	2.84		mg/Kg		113	70 - 120
Chloroethane	2.50	3.30		mg/Kg		132	48 - 136
Chloroform	2.50	2.80		mg/Kg		112	70 - 120
Chloromethane	2.50	1.46		mg/Kg		58	56 - 152
cis-1,2-Dichloroethene	2.50	2.91		mg/Kg		116	70 - 125
cis-1,3-Dichloropropene	2.50	2.76		mg/Kg		110	64 - 127
Dibromochloromethane	2.50	2.78		mg/Kg		111	68 - 125
Dibromomethane	2.50	3.01		mg/Kg		120	70 - 120
Dichlorodifluoromethane	2.50	1.19		mg/Kg		48	40 - 159
Ethylbenzene	2.50	2.73		mg/Kg		109	70 - 123
Hexachlorobutadiene	2.50	2.33		mg/Kg		93	51 - 150
Isopropylbenzene	2.50	2.53		mg/Kg		101	70 - 126
Methyl tert-butyl ether	2.50	2.95		mg/Kg		118	55 - 123
Methylene Chloride	2.50	2.99		mg/Kg		119	69 - 125
Naphthalene	2.50	2.80		mg/Kg		112	53 - 144
n-Butylbenzene	2.50	2.53		mg/Kg		101	68 - 125
N-Propylbenzene	2.50	2.57		mg/Kg		103	69 - 127
p-Isopropyltoluene	2.50	2.46		mg/Kg		98	70 - 125
sec-Butylbenzene	2.50	2.51		mg/Kg		101	70 - 123
Styrene	2.50	2.82		mg/Kg		113	70 - 120
tert-Butylbenzene	2.50	2.44		mg/Kg		98	70 - 121
Tetrachloroethene	2.50	2.60		mg/Kg		104	70 - 128
Toluene	2.50	2.74		mg/Kg		110	70 - 125
trans-1,2-Dichloroethene	2.50	2.77		mg/Kg		111	70 - 125
trans-1,3-Dichloropropene	2.50	2.69		mg/Kg		107	62 - 128
Trichloroethene	2.50	2.70		mg/Kg		108	70 - 125
Trichlorofluoromethane	2.50	2.28		mg/Kg		91	55 - 128
Vinyl chloride	2.50	1.84		mg/Kg		74	64 - 126
Xylenes, Total	5.00	5.49		mg/Kg		110	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane (Surr)	*107*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Sample ID: MB 500-539012/6
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/21/20 09:42	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-539012/6
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 09:42	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 09:42	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 09:42	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 09:42	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/21/20 09:42	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/21/20 09:42	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/21/20 09:42	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/21/20 09:42	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/21/20 09:42	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/21/20 09:42	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 09:42	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 09:42	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 09:42	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/21/20 09:42	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/21/20 09:42	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 09:42	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/21/20 09:42	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 09:42	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/21/20 09:42	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/21/20 09:42	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/21/20 09:42	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 09:42	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/21/20 09:42	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/21/20 09:42	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/21/20 09:42	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 09:42	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/21/20 09:42	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/21/20 09:42	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/21/20 09:42	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/21/20 09:42	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/21/20 09:42	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/21/20 09:42	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/21/20 09:42	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 09:42	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/21/20 09:42	1
Naphthalene	0.000415	J	0.0010	0.00033	mg/Kg			04/21/20 09:42	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 09:42	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 09:42	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-539012/6
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 09:42	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 09:42	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/21/20 09:42	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/21/20 09:42	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 09:42	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 09:42	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/21/20 09:42	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 09:42	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/21/20 09:42	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/21/20 09:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*04/21/20 09:42*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*04/21/20 09:42*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 120*		*04/21/20 09:42*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*04/21/20 09:42*	*1*

Lab Sample ID: LCS 500-539012/4
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0491		mg/Kg		98	70 - 125
1,1,1-Trichloroethane	0.0500	0.0496		mg/Kg		99	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0450		mg/Kg		90	62 - 140
1,1,2-Trichloroethane	0.0500	0.0466		mg/Kg		93	71 - 130
1,1-Dichloroethane	0.0500	0.0451		mg/Kg		90	70 - 125
1,1-Dichloroethene	0.0500	0.0522		mg/Kg		104	67 - 122
1,1-Dichloropropene	0.0500	0.0483		mg/Kg		97	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0468		mg/Kg		94	51 - 145
1,2,3-Trichloropropane	0.0500	0.0430		mg/Kg		86	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0466		mg/Kg		93	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0464		mg/Kg		93	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0407		mg/Kg		81	56 - 123
1,2-Dibromoethane	0.0500	0.0472		mg/Kg		94	70 - 125
1,2-Dichlorobenzene	0.0500	0.0471		mg/Kg		94	70 - 125
1,2-Dichloroethane	0.0500	0.0445		mg/Kg		89	68 - 127
1,2-Dichloropropane	0.0500	0.0435		mg/Kg		87	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0473		mg/Kg		95	70 - 123
1,3-Dichlorobenzene	0.0500	0.0476		mg/Kg		95	70 - 125
1,3-Dichloropropane	0.0500	0.0463		mg/Kg		93	62 - 136
1,4-Dichlorobenzene	0.0500	0.0463		mg/Kg		93	70 - 120
2,2-Dichloropropane	0.0500	0.0492		mg/Kg		98	58 - 139
2-Chlorotoluene	0.0500	0.0459		mg/Kg		92	70 - 125
4-Chlorotoluene	0.0500	0.0464		mg/Kg		93	68 - 124
Benzene	0.0500	0.0489		mg/Kg		98	70 - 120
Bromobenzene	0.0500	0.0449		mg/Kg		90	70 - 122
Bromochloromethane	0.0500	0.0468		mg/Kg		94	65 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-539012/4
Matrix: Solid
Analysis Batch: 539012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	0.0500	0.0456		mg/Kg		91	69 - 120
Bromoform	0.0500	0.0485		mg/Kg		97	56 - 132
Bromomethane	0.0500	0.0795	*	mg/Kg		159	40 - 152
Carbon tetrachloride	0.0500	0.0492		mg/Kg		98	59 - 133
Chlorobenzene	0.0500	0.0488		mg/Kg		98	70 - 120
Chloroethane	0.0500	0.0617		mg/Kg		123	48 - 136
Chloroform	0.0500	0.0467		mg/Kg		93	70 - 120
Chloromethane	0.0500	0.0317		mg/Kg		63	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0498		mg/Kg		100	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0475		mg/Kg		95	64 - 127
Dibromochloromethane	0.0500	0.0456		mg/Kg		91	68 - 125
Dibromomethane	0.0500	0.0479		mg/Kg		96	70 - 120
Dichlorodifluoromethane	0.0500	0.0352		mg/Kg		70	40 - 159
Ethylbenzene	0.0500	0.0515		mg/Kg		103	70 - 123
Hexachlorobutadiene	0.0500	0.0463		mg/Kg		93	51 - 150
Isopropylbenzene	0.0500	0.0481		mg/Kg		96	70 - 126
Methyl tert-butyl ether	0.0500	0.0471		mg/Kg		94	55 - 123
Methylene Chloride	0.0500	0.0495		mg/Kg		99	69 - 125
Naphthalene	0.0500	0.0442		mg/Kg		88	53 - 144
n-Butylbenzene	0.0500	0.0501		mg/Kg		100	68 - 125
N-Propylbenzene	0.0500	0.0486		mg/Kg		97	69 - 127
p-Isopropyltoluene	0.0500	0.0470		mg/Kg		94	70 - 125
sec-Butylbenzene	0.0500	0.0487		mg/Kg		97	70 - 123
Styrene	0.0500	0.0477		mg/Kg		95	70 - 120
tert-Butylbenzene	0.0500	0.0465		mg/Kg		93	70 - 121
Tetrachloroethene	0.0500	0.0529		mg/Kg		106	70 - 128
Toluene	0.0500	0.0502		mg/Kg		100	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0509		mg/Kg		102	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0451		mg/Kg		90	62 - 128
Trichloroethene	0.0500	0.0479		mg/Kg		96	70 - 125
Trichlorofluoromethane	0.0500	0.0509		mg/Kg		102	55 - 128
Vinyl chloride	0.0500	0.0407		mg/Kg		81	64 - 126
Xylenes, Total	0.100	0.0987		mg/Kg		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 120*
Toluene-d8 (Surr)	*105*		*75 - 120*

Lab Sample ID: MB 500-539158/6
Matrix: Solid
Analysis Batch: 539158

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/21/20 22:39	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 22:39	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 22:39	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-539158/6
Matrix: Solid
Analysis Batch: 539158

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 22:39	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 22:39	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/21/20 22:39	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/21/20 22:39	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/21/20 22:39	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/21/20 22:39	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/21/20 22:39	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/21/20 22:39	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 22:39	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 22:39	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 22:39	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/21/20 22:39	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/21/20 22:39	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 22:39	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/21/20 22:39	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 22:39	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/21/20 22:39	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/21/20 22:39	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/21/20 22:39	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 22:39	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/21/20 22:39	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/21/20 22:39	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/21/20 22:39	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 22:39	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/21/20 22:39	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/21/20 22:39	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/21/20 22:39	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/21/20 22:39	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/21/20 22:39	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/21/20 22:39	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/21/20 22:39	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/21/20 22:39	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/21/20 22:39	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/21/20 22:39	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/21/20 22:39	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 22:39	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/21/20 22:39	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/21/20 22:39	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-539158/6
Matrix: Solid
Analysis Batch: 539158

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/21/20 22:39	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/21/20 22:39	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/21/20 22:39	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/21/20 22:39	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/21/20 22:39	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/21/20 22:39	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/21/20 22:39	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/21/20 22:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*04/21/20 22:39*	*1*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*04/21/20 22:39*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*04/21/20 22:39*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/21/20 22:39*	*1*

Lab Sample ID: LCS 500-539158/4
Matrix: Solid
Analysis Batch: 539158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0436		mg/Kg		87	70 - 125
1,1,1-Trichloroethane	0.0500	0.0509		mg/Kg		102	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0382		mg/Kg		76	62 - 140
1,1,2-Trichloroethane	0.0500	0.0389		mg/Kg		78	71 - 130
1,1-Dichloroethane	0.0500	0.0456		mg/Kg		91	70 - 125
1,1-Dichloroethene	0.0500	0.0497		mg/Kg		99	67 - 122
1,1-Dichloropropene	0.0500	0.0458		mg/Kg		92	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0405		mg/Kg		81	51 - 145
1,2,3-Trichloropropane	0.0500	0.0393		mg/Kg		79	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0417		mg/Kg		83	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0422		mg/Kg		84	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0250	*	mg/Kg		50	56 - 123
1,2-Dibromoethane	0.0500	0.0435		mg/Kg		87	70 - 125
1,2-Dichlorobenzene	0.0500	0.0443		mg/Kg		89	70 - 125
1,2-Dichloroethane	0.0500	0.0400		mg/Kg		80	68 - 127
1,2-Dichloropropane	0.0500	0.0425		mg/Kg		85	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0426		mg/Kg		85	70 - 123
1,3-Dichlorobenzene	0.0500	0.0455		mg/Kg		91	70 - 125
1,3-Dichloropropane	0.0500	0.0395		mg/Kg		79	62 - 136
1,4-Dichlorobenzene	0.0500	0.0449		mg/Kg		90	70 - 120
2,2-Dichloropropane	0.0500	0.0463		mg/Kg		93	58 - 139
2-Chlorotoluene	0.0500	0.0407		mg/Kg		81	70 - 125
4-Chlorotoluene	0.0500	0.0413		mg/Kg		83	68 - 124
Benzene	0.0500	0.0457		mg/Kg		91	70 - 120
Bromobenzene	0.0500	0.0447		mg/Kg		89	70 - 122
Bromochloromethane	0.0500	0.0540		mg/Kg		108	65 - 122
Bromodichloromethane	0.0500	0.0399		mg/Kg		80	69 - 120
Bromoform	0.0500	0.0383		mg/Kg		77	56 - 132

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-539158/4
Matrix: Solid
Analysis Batch: 539158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.0862	*	mg/Kg		172	40 - 152
Carbon tetrachloride	0.0500	0.0480		mg/Kg		96	59 - 133
Chlorobenzene	0.0500	0.0470		mg/Kg		94	70 - 120
Chloroethane	0.0500	0.0608		mg/Kg		122	48 - 136
Chloroform	0.0500	0.0474		mg/Kg		95	70 - 120
Chloromethane	0.0500	0.0483		mg/Kg		97	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0520		mg/Kg		104	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0349		mg/Kg		70	64 - 127
Dibromochloromethane	0.0500	0.0393		mg/Kg		79	68 - 125
Dibromomethane	0.0500	0.0445		mg/Kg		89	70 - 120
Dichlorodifluoromethane	0.0500	0.0392		mg/Kg		78	40 - 159
Ethylbenzene	0.0500	0.0482		mg/Kg		96	70 - 123
Hexachlorobutadiene	0.0500	0.0454		mg/Kg		91	51 - 150
Isopropylbenzene	0.0500	0.0419		mg/Kg		84	70 - 126
Methyl tert-butyl ether	0.0500	0.0407		mg/Kg		81	55 - 123
Methylene Chloride	0.0500	0.0485		mg/Kg		97	69 - 125
Naphthalene	0.0500	0.0372		mg/Kg		74	53 - 144
n-Butylbenzene	0.0500	0.0427		mg/Kg		85	68 - 125
N-Propylbenzene	0.0500	0.0428		mg/Kg		86	69 - 127
p-Isopropyltoluene	0.0500	0.0452		mg/Kg		90	70 - 125
sec-Butylbenzene	0.0500	0.0439		mg/Kg		88	70 - 123
Styrene	0.0500	0.0464		mg/Kg		93	70 - 120
tert-Butylbenzene	0.0500	0.0425		mg/Kg		85	70 - 121
Tetrachloroethene	0.0500	0.0464		mg/Kg		93	70 - 128
Toluene	0.0500	0.0404		mg/Kg		81	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0526		mg/Kg		105	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0349		mg/Kg		70	62 - 128
Trichloroethene	0.0500	0.0492		mg/Kg		98	70 - 125
Trichlorofluoromethane	0.0500	0.0492		mg/Kg		98	55 - 128
Vinyl chloride	0.0500	0.0525		mg/Kg		105	64 - 126
Xylenes, Total	0.100	0.0880		mg/Kg		88	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
Toluene-d8 (Surr)	*89*		*75 - 120*

Lab Sample ID: MB 500-539221/6
Matrix: Solid
Analysis Batch: 539221

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/22/20 10:14	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/22/20 10:14	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/22/20 10:14	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/22/20 10:14	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/22/20 10:14	1

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-539221/6
Matrix: Solid
Analysis Batch: 539221

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/22/20 10:14	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/22/20 10:14	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/22/20 10:14	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/22/20 10:14	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/22/20 10:14	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/22/20 10:14	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/22/20 10:14	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/22/20 10:14	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/22/20 10:14	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/22/20 10:14	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/22/20 10:14	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/22/20 10:14	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/22/20 10:14	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/22/20 10:14	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/22/20 10:14	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/22/20 10:14	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/22/20 10:14	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/22/20 10:14	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/22/20 10:14	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/22/20 10:14	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/22/20 10:14	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/22/20 10:14	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/22/20 10:14	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/22/20 10:14	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/22/20 10:14	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/22/20 10:14	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/22/20 10:14	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/22/20 10:14	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/22/20 10:14	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/22/20 10:14	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/22/20 10:14	1
Naphthalene	0.000441	J	0.0010	0.00033	mg/Kg			04/22/20 10:14	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/22/20 10:14	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/22/20 10:14	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/22/20 10:14	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/22/20 10:14	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/22/20 10:14	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/22/20 10:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-539221/6
Matrix: Solid
Analysis Batch: 539221

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/22/20 10:14	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/22/20 10:14	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/22/20 10:14	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/22/20 10:14	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/22/20 10:14	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/22/20 10:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*04/22/20 10:14*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*04/22/20 10:14*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 120*		*04/22/20 10:14*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*04/22/20 10:14*	*1*

Lab Sample ID: LCS 500-539221/4
Matrix: Solid
Analysis Batch: 539221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0478		mg/Kg		96	70 - 125
1,1,1-Trichloroethane	0.0500	0.0484		mg/Kg		97	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0449		mg/Kg		90	62 - 140
1,1,2-Trichloroethane	0.0500	0.0464		mg/Kg		93	71 - 130
1,1-Dichloroethane	0.0500	0.0447		mg/Kg		89	70 - 125
1,1-Dichloroethene	0.0500	0.0508		mg/Kg		102	67 - 122
1,1-Dichloropropene	0.0500	0.0480		mg/Kg		96	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0449		mg/Kg		90	51 - 145
1,2,3-Trichloropropane	0.0500	0.0442		mg/Kg		88	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0460		mg/Kg		92	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0454		mg/Kg		91	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0377		mg/Kg		75	56 - 123
1,2-Dibromoethane	0.0500	0.0481		mg/Kg		96	70 - 125
1,2-Dichlorobenzene	0.0500	0.0465		mg/Kg		93	70 - 125
1,2-Dichloroethane	0.0500	0.0448		mg/Kg		90	68 - 127
1,2-Dichloropropane	0.0500	0.0431		mg/Kg		86	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0456		mg/Kg		91	70 - 123
1,3-Dichlorobenzene	0.0500	0.0460		mg/Kg		92	70 - 125
1,3-Dichloropropane	0.0500	0.0452		mg/Kg		90	62 - 136
1,4-Dichlorobenzene	0.0500	0.0455		mg/Kg		91	70 - 120
2,2-Dichloropropane	0.0500	0.0470		mg/Kg		94	58 - 139
2-Chlorotoluene	0.0500	0.0449		mg/Kg		90	70 - 125
4-Chlorotoluene	0.0500	0.0447		mg/Kg		89	68 - 124
Benzene	0.0500	0.0489		mg/Kg		98	70 - 120
Bromobenzene	0.0500	0.0452		mg/Kg		90	70 - 122
Bromochloromethane	0.0500	0.0460		mg/Kg		92	65 - 122
Bromodichloromethane	0.0500	0.0451		mg/Kg		90	69 - 120
Bromoform	0.0500	0.0467		mg/Kg		93	56 - 132
Bromomethane	0.0500	0.0618		mg/Kg		124	40 - 152
Carbon tetrachloride	0.0500	0.0476		mg/Kg		95	59 - 133

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-539221/4
Matrix: Solid
Analysis Batch: 539221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0500	0.0477		mg/Kg		95	70 - 120
Chloroethane	0.0500	0.0570		mg/Kg		114	48 - 136
Chloroform	0.0500	0.0467		mg/Kg		93	70 - 120
Chloromethane	0.0500	0.0280		mg/Kg		56	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0497		mg/Kg		99	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0458		mg/Kg		92	64 - 127
Dibromochloromethane	0.0500	0.0449		mg/Kg		90	68 - 125
Dibromomethane	0.0500	0.0481		mg/Kg		96	70 - 120
Dichlorodifluoromethane	0.0500	0.0297		mg/Kg		59	40 - 159
Ethylbenzene	0.0500	0.0492		mg/Kg		98	70 - 123
Hexachlorobutadiene	0.0500	0.0443		mg/Kg		89	51 - 150
Isopropylbenzene	0.0500	0.0463		mg/Kg		93	70 - 126
Methyl tert-butyl ether	0.0500	0.0469		mg/Kg		94	55 - 123
Methylene Chloride	0.0500	0.0494		mg/Kg		99	69 - 125
Naphthalene	0.0500	0.0425		mg/Kg		85	53 - 144
n-Butylbenzene	0.0500	0.0484		mg/Kg		97	68 - 125
N-Propylbenzene	0.0500	0.0470		mg/Kg		94	69 - 127
p-Isopropyltoluene	0.0500	0.0450		mg/Kg		90	70 - 125
sec-Butylbenzene	0.0500	0.0477		mg/Kg		95	70 - 123
Styrene	0.0500	0.0474		mg/Kg		95	70 - 120
tert-Butylbenzene	0.0500	0.0452		mg/Kg		90	70 - 121
Tetrachloroethene	0.0500	0.0508		mg/Kg		102	70 - 128
Toluene	0.0500	0.0487		mg/Kg		97	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0509		mg/Kg		102	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0449		mg/Kg		90	62 - 128
Trichloroethene	0.0500	0.0474		mg/Kg		95	70 - 125
Trichlorofluoromethane	0.0500	0.0471		mg/Kg		94	55 - 128
Vinyl chloride	0.0500	0.0384		mg/Kg		77	64 - 126
Xylenes, Total	0.100	0.0958		mg/Kg		96	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-539345/1-A
Matrix: Solid
Analysis Batch: 539494

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		04/22/20 16:18	04/23/20 13:18	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-539345/1-A
Matrix: Solid
Analysis Batch: 539494

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		04/22/20 16:18	04/23/20 13:18	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		04/22/20 16:18	04/23/20 13:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*108*		*43 - 145*	*04/22/20 16:18*	*04/23/20 13:18*	*1*
Nitrobenzene-d5 (Surr)	*96*		*37 - 147*	*04/22/20 16:18*	*04/23/20 13:18*	*1*
Terphenyl-d14 (Surr)	*138*		*42 - 157*	*04/22/20 16:18*	*04/23/20 13:18*	*1*

Lab Sample ID: LCS 500-539345/2-A
Matrix: Solid
Analysis Batch: 539494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539345

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	1.33	1.30		mg/Kg		98	68 - 111
2-Methylnaphthalene	1.33	1.30		mg/Kg		97	69 - 112
Acenaphthene	1.33	1.44		mg/Kg		108	65 - 124
Acenaphthylene	1.33	1.41		mg/Kg		106	68 - 120
Anthracene	1.33	1.50		mg/Kg		112	70 - 114
Benzo[a]anthracene	1.33	1.48		mg/Kg		111	67 - 122
Benzo[a]pyrene	1.33	1.43		mg/Kg		107	65 - 133
Benzo[b]fluoranthene	1.33	1.35		mg/Kg		101	69 - 129
Benzo[g,h,i]perylene	1.33	1.61		mg/Kg		121	72 - 131
Benzo[k]fluoranthene	1.33	1.38		mg/Kg		104	68 - 127
Chrysene	1.33	1.41		mg/Kg		106	63 - 120
Dibenz(a,h)anthracene	1.33	1.46		mg/Kg		109	64 - 131
Fluoranthene	1.33	1.43		mg/Kg		108	62 - 120
Fluorene	1.33	1.42		mg/Kg		106	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.44		mg/Kg		108	68 - 130
Naphthalene	1.33	1.33		mg/Kg		100	63 - 110
Phenanthrene	1.33	1.47		mg/Kg		111	62 - 120
Pyrene	1.33	1.67		mg/Kg		125	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*104*		*43 - 145*
Nitrobenzene-d5 (Surr)	*95*		*37 - 147*
Terphenyl-d14 (Surr)	*122*		*42 - 157*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-539625/1-A
Matrix: Solid
Analysis Batch: 539715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539625

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		04/24/20 07:35	04/24/20 20:13	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		04/24/20 07:35	04/24/20 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*102*		*43 - 145*	*04/24/20 07:35*	*04/24/20 20:13*	*1*
Nitrobenzene-d5 (Surr)	*88*		*37 - 147*	*04/24/20 07:35*	*04/24/20 20:13*	*1*
Terphenyl-d14 (Surr)	*135*		*42 - 157*	*04/24/20 07:35*	*04/24/20 20:13*	*1*

Lab Sample ID: LCS 500-539625/2-A
Matrix: Solid
Analysis Batch: 539715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539625

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	1.33	1.29		mg/Kg		96	68 - 111
2-Methylnaphthalene	1.33	1.29		mg/Kg		97	69 - 112
Acenaphthene	1.33	1.39		mg/Kg		104	65 - 124
Acenaphthylene	1.33	1.36		mg/Kg		102	68 - 120
Anthracene	1.33	1.36		mg/Kg		102	70 - 114
Benzo[a]anthracene	1.33	1.41		mg/Kg		106	67 - 122
Benzo[a]pyrene	1.33	1.44		mg/Kg		108	65 - 133
Benzo[b]fluoranthene	1.33	1.41		mg/Kg		106	69 - 129
Benzo[g,h,i]perylene	1.33	1.71		mg/Kg		128	72 - 131
Benzo[k]fluoranthene	1.33	1.45		mg/Kg		109	68 - 127
Chrysene	1.33	1.34		mg/Kg		101	63 - 120
Dibenz(a,h)anthracene	1.33	1.48		mg/Kg		111	64 - 131
Fluoranthene	1.33	1.35		mg/Kg		101	62 - 120
Fluorene	1.33	1.37		mg/Kg		102	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.48		mg/Kg		111	68 - 130
Naphthalene	1.33	1.31		mg/Kg		98	63 - 110
Phenanthrene	1.33	1.47		mg/Kg		110	62 - 120
Pyrene	1.33	1.67		mg/Kg		125	61 - 128

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-539625/2-A
Matrix: Solid
Analysis Batch: 539715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539625

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	104		43 - 145
Nitrobenzene-d5 (Surr)	100		37 - 147
Terphenyl-d14 (Surr)	129		42 - 157

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-539634/1-A
Matrix: Solid
Analysis Batch: 539664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		04/24/20 08:14	04/24/20 18:08	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		04/24/20 08:14	04/24/20 18:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		49 - 129	04/24/20 08:14	04/24/20 18:08	1
DCB Decachlorobiphenyl	111		37 - 121	04/24/20 08:14	04/24/20 18:08	1

Lab Sample ID: LCS 500-539634/2-A
Matrix: Solid
Analysis Batch: 539664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.178		mg/Kg		107	57 - 120
PCB-1260	0.167	0.180		mg/Kg		108	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	100		49 - 129
DCB Decachlorobiphenyl	115		37 - 121

Lab Sample ID: 500-180587-5 MS
Matrix: Solid
Analysis Batch: 539664

Client Sample ID: 40392-B-5 (3'-5')
Prep Type: Total/NA
Prep Batch: 539634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<0.0067		0.190	0.201		mg/Kg	☼	106	57 - 120
PCB-1260	<0.0093		0.190	0.200		mg/Kg	☼	105	61 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	98		49 - 129
DCB Decachlorobiphenyl	113		37 - 121

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 500-180587-5 MSD
Matrix: Solid
Analysis Batch: 539664

Client Sample ID: 40392-B-5 (3'-5')
Prep Type: Total/NA
Prep Batch: 539634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<0.0067		0.192	0.193		mg/Kg	☼	101	57 - 120	4	30
PCB-1260	<0.0093		0.192	0.190		mg/Kg	☼	99	61 - 125	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*49 - 129*
DCB Decachlorobiphenyl	*108*		*37 - 121*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-538296/1-A
Matrix: Solid
Analysis Batch: 538485

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538296

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Barium	<0.11		1.0	0.11	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Cadmium	0.0373	J	0.20	0.036	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Chromium	<0.50		1.0	0.50	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Lead	<0.23		0.50	0.23	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Selenium	<0.59		1.0	0.59	mg/Kg		04/15/20 17:29	04/16/20 08:29	1
Silver	<0.13		0.50	0.13	mg/Kg		04/15/20 17:29	04/16/20 08:29	1

Lab Sample ID: LCS 500-538296/2-A
Matrix: Solid
Analysis Batch: 538485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538296

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.0	9.20		mg/Kg		92	80 - 120
Barium	200	186		mg/Kg		93	80 - 120
Cadmium	5.00	4.60		mg/Kg		92	80 - 120
Chromium	20.0	19.2		mg/Kg		96	80 - 120
Lead	10.0	9.18		mg/Kg		92	80 - 120
Selenium	10.0	8.22		mg/Kg		82	80 - 120
Silver	5.00	4.46		mg/Kg		89	80 - 120

Lab Sample ID: 500-180587-1 MS
Matrix: Solid
Analysis Batch: 538485

Client Sample ID: 40392-B-1 (5.5'-7.5')
Prep Type: Total/NA
Prep Batch: 538296

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.0		9.87	15.0		mg/Kg	☼	101	75 - 125
Barium	42	V	197	219		mg/Kg	☼	90	75 - 125
Cadmium	0.19	B	4.94	4.77		mg/Kg	☼	93	75 - 125
Chromium	15		19.7	34.7		mg/Kg	☼	101	75 - 125
Lead	9.3		9.87	19.2		mg/Kg	☼	100	75 - 125
Selenium	<0.57		9.87	8.15		mg/Kg	☼	83	75 - 125
Silver	0.27	J	4.94	4.92		mg/Kg	☼	94	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-180587-1 MSD
Matrix: Solid
Analysis Batch: 538485

Client Sample ID: 40392-B-1 (5.5'-7.5')
Prep Type: Total/NA
Prep Batch: 538296

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.0		9.66	15.5		mg/Kg	☼	108	75 - 125	3	20
Barium	42	V	193	218		mg/Kg	☼	91	75 - 125	0	20
Cadmium	0.19	B	4.83	4.69		mg/Kg	☼	93	75 - 125	2	20
Chromium	15		19.3	34.6		mg/Kg	☼	102	75 - 125	0	20
Lead	9.3		9.66	20.7		mg/Kg	☼	118	75 - 125	8	20
Selenium	<0.57		9.66	7.92		mg/Kg	☼	82	75 - 125	3	20
Silver	0.27	J	4.83	4.65		mg/Kg	☼	91	75 - 125	6	20

Lab Sample ID: 500-180587-1 DU
Matrix: Solid
Analysis Batch: 538485

Client Sample ID: 40392-B-1 (5.5'-7.5')
Prep Type: Total/NA
Prep Batch: 538296

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	5.0		4.77		mg/Kg	☼	5	20
Barium	42	V	40.9		mg/Kg	☼	3	20
Cadmium	0.19	B	0.227		mg/Kg	☼	20	20
Chromium	15		15.8		mg/Kg	☼	6	20
Lead	9.3		9.79		mg/Kg	☼	5	20
Selenium	<0.57		<0.59		mg/Kg	☼	NC	20
Silver	0.27	J	0.319	J	mg/Kg	☼	16	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 500-538861/12-A
Matrix: Solid
Analysis Batch: 539069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 538861

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		04/20/20 13:55	04/21/20 08:27	1

Lab Sample ID: LCS 500-538861/13-A
Matrix: Solid
Analysis Batch: 539069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.172		mg/Kg		103	80 - 120

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-1 (5.5'-7.5')
Lab Sample ID: 500-180587-1

Date Collected: 04/10/20 11:10
Matrix: Solid
Date Received: 04/14/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-1 (5.5'-7.5')
Lab Sample ID: 500-180587-1

Date Collected: 04/10/20 11:10
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 11:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539012	04/21/20 16:53	JDD	TAL CHI
Total/NA	Prep	3541			539345	04/22/20 16:18	ACK	TAL CHI
Total/NA	Analysis	8270D		1	539494	04/23/20 18:44	AJD	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 08:53	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:31	MJG	TAL CHI

Client Sample ID: 40392-B-2 (4'-6')
Lab Sample ID: 500-180587-2

Date Collected: 04/10/20 10:40
Matrix: Solid
Date Received: 04/14/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-2 (4'-6')
Lab Sample ID: 500-180587-2

Date Collected: 04/10/20 10:40
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 10:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539012	04/21/20 17:17	JDD	TAL CHI
Total/NA	Prep	3541			539345	04/22/20 16:18	ACK	TAL CHI
Total/NA	Analysis	8270D		1	539494	04/23/20 19:13	AJD	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:25	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:33	MJG	TAL CHI

Client Sample ID: 40392-B-3 (4'-6')
Lab Sample ID: 500-180587-3

Date Collected: 04/10/20 09:50
Matrix: Solid
Date Received: 04/14/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-3 (4'-6')
Lab Sample ID: 500-180587-3

Date Collected: 04/10/20 09:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 09:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539012	04/21/20 17:41	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/24/20 22:12	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:29	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:35	MJG	TAL CHI

Client Sample ID: 40392-B-4 (4'-6')
Lab Sample ID: 500-180587-4

Date Collected: 04/10/20 14:40
Matrix: Solid
Date Received: 04/14/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-4 (4'-6')
Lab Sample ID: 500-180587-4

Date Collected: 04/10/20 14:40
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 14:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 01:10	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/24/20 22:42	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:33	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:37	MJG	TAL CHI

Client Sample ID: 40392-B-5 (3'-5')
Lab Sample ID: 500-180587-5

Date Collected: 04/10/20 15:05
Matrix: Solid
Date Received: 04/14/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-5 (3'-5')
Lab Sample ID: 500-180587-5

Date Collected: 04/10/20 15:05
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 15:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 01:35	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/24/20 23:12	SS	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40392

Job ID: 500-180587-1

Client Sample ID: 40392-B-5 (3'-5')
Date Collected: 04/10/20 15:05
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-5
Matrix: Solid
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			539634	04/24/20 08:14	BSO	TAL CHI
Total/NA	Analysis	8082A		1	539664	04/24/20 18:39	BJH	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:38	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:39	MJG	TAL CHI

Client Sample ID: 40392-B-6 (3'-5')
Date Collected: 04/10/20 15:25
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-6 (3'-5')
Date Collected: 04/10/20 15:25
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-6
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 15:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 02:01	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/24/20 23:41	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:42	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:42	MJG	TAL CHI

Client Sample ID: 40392-B-7 (3'-5')
Date Collected: 04/10/20 13:10
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-7 (3'-5')
Date Collected: 04/10/20 13:10
Date Received: 04/14/20 09:40

Lab Sample ID: 500-180587-7
Matrix: Solid
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 13:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 02:26	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/25/20 02:39	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:46	JEF	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-7 (3'-5')
Lab Sample ID: 500-180587-7
Date Collected: 04/10/20 13:10
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:44	MJG	TAL CHI

Client Sample ID: 40392-B-8 (9'-11')
Lab Sample ID: 500-180587-8
Date Collected: 04/10/20 14:20
Matrix: Solid
Date Received: 04/14/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-8 (9'-11')
Lab Sample ID: 500-180587-8
Date Collected: 04/10/20 14:20
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 14:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 03:42	JDD	TAL CHI
Total/NA	Prep	5035	DL		538558	04/10/20 14:20	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	539221	04/22/20 17:27	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/25/20 00:11	SS	TAL CHI
Total/NA	Prep	3541			539634	04/24/20 08:14	BSO	TAL CHI
Total/NA	Analysis	8082A		1	539664	04/24/20 19:25	BJH	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:49	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:50	MJG	TAL CHI

Client Sample ID: 40392-B-9 (4'-6')
Lab Sample ID: 500-180587-9
Date Collected: 04/10/20 16:00
Matrix: Solid
Date Received: 04/14/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-9 (4'-6')
Lab Sample ID: 500-180587-9
Date Collected: 04/10/20 16:00
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 16:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 03:16	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/25/20 00:41	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:53	JEF	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Client Sample ID: 40392-B-9 (4'-6')
Lab Sample ID: 500-180587-9
Date Collected: 04/10/20 16:00
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		5	538485	04/16/20 10:09	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:52	MJG	TAL CHI

Client Sample ID: 40392-B-12 (3.5'-5.5')
Lab Sample ID: 500-180587-10
Date Collected: 04/10/20 16:50
Matrix: Solid
Date Received: 04/14/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	538055	04/14/20 14:38	LWN	TAL CHI

Client Sample ID: 40392-B-12 (3.5'-5.5')
Lab Sample ID: 500-180587-10
Date Collected: 04/10/20 16:50
Matrix: Solid
Date Received: 04/14/20 09:40
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			538558	04/10/20 16:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	539158	04/22/20 02:51	JDD	TAL CHI
Total/NA	Prep	3541			539625	04/24/20 07:35	BSO	TAL CHI
Total/NA	Analysis	8270D		1	539715	04/25/20 01:11	SS	TAL CHI
Total/NA	Prep	3050B			538296	04/15/20 17:29	BDE	TAL CHI
Total/NA	Analysis	6010B		1	538485	04/16/20 09:57	JEF	TAL CHI
Total/NA	Prep	7471A			538861	04/20/20 13:55	MJG	TAL CHI
Total/NA	Analysis	7471A		1	539069	04/21/20 08:54	MJG	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-180587-1
Project/Site: Community Within the Corridor - 40392

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-20

KSingh | Engineers Scientists Consultants

500-180587 COC

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-180587

Sample Collector(s)		Telephone # (incl. area code)	Report To
Kyle Vander Heiden	Staff Geologist	(262) 821-1171	Robert Reineke
Property Owner	**Property Address**	**Telephone # (incl. area code)**	**KSingh Project #**
Community Witnin the Corridor	West Center Street & North 32nd Street, Milwaukee, WI	N/A	40392
I hereby certify that I received, properly, and disposed of the samples as noted below		Laboratory Name: TestAmerica	
Relinquished By (Signature)	Date/Time: 4/13/20 | 12:00	Received By (Signature)	Temperature Blank: 5.9
Relinquished By (Signature)	Date/Time: 4-13-20 1700	Received By (Signature) 4/14/20 0940	If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.

1 Specify groundwater (GW), soil (S), air (A), sludge (SL) surface water (SW), etc.
2 Sample description must clearly correlate the sample I.D. to the sampling location

	Date Collected	Time Collected	Samples: Type (1)	Samples: Device	Location/Description (2)	VOCs	PAHs	RCRA Metals	PCBs	SVOCs/PAHs	Pesticides	Herbicides						Sample Condition: # / Type of Container: MeOH	HCL	H2SO4	Unpres.	Other Comment
1	4/10/20	1110	Soil	GP	40392-B-1 (5.5'-7.5')	X	X	X										1			2	
2	4/10/20	1040	Soil	GP	40392-B-2 (4'-6')	X	X	X										1			2	
3	4/10/20	0950	Soil	GP	40392-B-3 (4'-6')	X	X	X										1			2	
4	4/10/20	1440	Soil	GP	40392-B-4 (4'-6')	X	X	X										1			2	
5	4/10/20	1505	Soil	GP	40392-B-5 (3'-5')	X	X	X	X									1			2	
6	4/10/20	1525	Soil	GP	40392-B-6 (3'-5')	X	X	X										1			2	
7	4/10/20	1310	Soil	GP	40392-B-7 (3'-5')	X	X	X										1			2	
8	4/10/20	1420	Soil	GP	40392-B-8 (9'-11')	X	X	X	X									1			2	
9	4/10/20	1600	Soil	GP	40392-B-9 (4'-6')	X	X	X										1			2	
10	4/10/20	1650	Soil	GP	40392-B-12 (3.5'-5.5')	X	X	X										1			2	

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check):
[X] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By:
Accepted [ ] Y [ ] N
Signature

Soil at B-8(9'-11') registered over 500 PPM on PID.

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-180587-1

Login Number: 180587
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-62194-1
Client Project/Site: Community Within the Corridor - 40405

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Authorized for release by:
7/8/2020 2:50:37 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Qualifiers

LCMS

Qualifier	Qualifier Description
*5	Isotope dilution analyte is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-62194-1

Comments
No additional comments.

Receipt
The samples were received on 6/26/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.7º C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): B-13 (1'-2') (320-62194-1). The container labels list 9:30 am, while the COC lists 9:15 am. Samples were labeled according to the COC.

LCMS
Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following samples are below the method recommended limits for d7-N-MeFOSE-M and d9-N-EtFOSE-M: B-13 (1'-2') (320-62194-1), B-14 (1'-2') (320-62194-2), B-15 (1'-2') (320-62194-3), B-16 (1'-2') (320-62194-4), (320-62194-A-1-B MS) and (320-62194-A-1-C MSD). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the samples.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method SHAKE: The following sample was light yellow after extraction: B-16 (1'-2') (320-62194-4). 320-390751 Solid PFC_IDA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Client Sample ID: B-13 (1'-2') — Lab Sample ID: 320-62194-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.040	J B	0.23	0.032	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: B-14 (1'-2') — Lab Sample ID: 320-62194-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.041	J B	0.24	0.034	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: B-15 (1'-2') — Lab Sample ID: 320-62194-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.21	J B	0.23	0.032	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: B-16 (1'-2') — Lab Sample ID: 320-62194-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.16	J B	0.24	0.034	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.51	J B	0.61	0.24	ug/Kg	1	☼	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

Client Sample ID: B-13 (1'-2')
Date Collected: 06/25/20 09:15
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-1
Matrix: Solid
Percent Solids: 87.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.040**	**J B**	0.23	0.032	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoropentanoic acid (PFPeA)	<0.087		0.23	0.087	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorohexanoic acid (PFHxA)	<0.047		0.23	0.047	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoroheptanoic acid (PFHpA)	<0.033		0.23	0.033	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorooctanoic acid (PFOA)	<0.097		0.23	0.097	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorononanoic acid (PFNA)	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorodecanoic acid (PFDA)	<0.025		0.23	0.025	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoroundecanoic acid (PFUnA)	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorododecanoic acid (PFDoA)	<0.076		0.23	0.076	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorotridecanoic acid (PFTriA)	<0.057		0.23	0.057	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.061		0.23	0.061	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.050		0.23	0.050	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.032		0.23	0.032	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.028		0.23	0.028	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.023		0.23	0.023	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.035		0.23	0.035	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.039		0.23	0.039	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.23		0.56	0.23	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorononanesulfonic acid (PFNS)	<0.023		0.23	0.023	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.044		0.23	0.044	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.068		0.23	0.068	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
Perfluorooctanesulfonamide (FOSA)	<0.092		0.23	0.092	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
NEtFOSA	<0.027		0.23	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
NMeFOSA	<0.046		0.23	0.046	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.44		2.3	0.44	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.3	0.42	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
NMeFOSE	<0.080		0.23	0.080	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
NEtFOSE	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
4:2 FTS	<0.42		2.3	0.42	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
6:2 FTS	<0.17		2.3	0.17	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
8:2 FTS	<0.28		2.3	0.28	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
10:2 FTS	<0.056		0.23	0.056	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
DONA	<0.020		0.23	0.020	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
HFPO-DA (GenX)	<0.12		0.28	0.12	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
F-53B Major	<0.030		0.23	0.030	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1
F-53B Minor	<0.025		0.23	0.025	ug/Kg	☼	06/30/20 04:43	07/02/20 03:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:49*	*1*
13C5 PFPeA	*95*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:49*	*1*
13C2 PFHxA	*94*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:49*	*1*
13C4 PFHpA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:49*	*1*
13C4 PFOA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:49*	*1*
13C5 PFNA	*93*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:49*	*1*
13C2 PFDA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:49*	*1*

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Client Sample ID: B-13 (1'-2')
Lab Sample ID: 320-62194-1
Date Collected: 06/25/20 09:15
Matrix: Solid
Date Received: 06/26/20 09:30
Percent Solids: 87.8

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	91		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C2 PFDoA	94		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C2 PFTeDA	90		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C2 PFHxDA	95		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C3 PFBS	87		25 - 150	06/30/20 04:43	07/02/20 03:49	1
18O2 PFHxS	87		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C4 PFOS	82		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C8 FOSA	80		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d3-NMeFOSAA	76		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d5-NEtFOSAA	84		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d-N-MeFOSA-M	43		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d-N-EtFOSA-M	43		25 - 150	06/30/20 04:43	07/02/20 03:49	1
d7-N-MeFOSE-M	7	*5	10 - 120	06/30/20 04:43	07/02/20 03:49	1
d9-N-EtFOSE-M	8	*5	10 - 120	06/30/20 04:43	07/02/20 03:49	1
M2-4:2 FTS	76		25 - 150	06/30/20 04:43	07/02/20 03:49	1
M2-6:2 FTS	84		25 - 150	06/30/20 04:43	07/02/20 03:49	1
M2-8:2 FTS	76		25 - 150	06/30/20 04:43	07/02/20 03:49	1
13C3 HFPO-DA	92		25 - 150	06/30/20 04:43	07/02/20 03:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.2		0.1	0.1	%			07/02/20 14:29	1
Percent Solids	87.8		0.1	0.1	%			07/02/20 14:29	1

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

Client Sample ID: B-14 (1'-2')
Date Collected: 06/25/20 10:05
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-2
Matrix: Solid
Percent Solids: 82.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.041**	**J B**	0.24	0.034	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoropentanoic acid (PFPeA)	<0.093		0.24	0.093	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorohexanoic acid (PFHxA)	<0.051		0.24	0.051	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoroheptanoic acid (PFHpA)	<0.035		0.24	0.035	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorooctanoic acid (PFOA)	<0.10		0.24	0.10	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorononanoic acid (PFNA)	<0.043		0.24	0.043	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorodecanoic acid (PFDA)	<0.027		0.24	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoroundecanoic acid (PFUnA)	<0.043		0.24	0.043	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorododecanoic acid (PFDoA)	<0.081		0.24	0.081	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorotridecanoic acid (PFTriA)	<0.062		0.24	0.062	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.065		0.24	0.065	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.053		0.24	0.053	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.034		0.24	0.034	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.030		0.24	0.030	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.024		0.24	0.024	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorohexanesulfonic acid (PFHxS)	<0.037		0.24	0.037	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.042		0.24	0.042	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorooctanesulfonic acid (PFOS)	<0.24		0.60	0.24	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorononanesulfonic acid (PFNS)	<0.024		0.24	0.024	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.047		0.24	0.047	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorododecanesulfonic acid (PFDoS)	<0.072		0.24	0.072	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
Perfluorooctanesulfonamide (FOSA)	<0.099		0.24	0.099	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
NEtFOSA	<0.029		0.24	0.029	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
NMeFOSA	<0.050		0.24	0.050	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.47		2.4	0.47	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.45		2.4	0.45	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
NMeFOSE	<0.086		0.24	0.086	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
NEtFOSE	<0.043		0.24	0.043	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
4:2 FTS	<0.45		2.4	0.45	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
6:2 FTS	<0.18		2.4	0.18	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
8:2 FTS	<0.30		2.4	0.30	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
10:2 FTS	<0.060		0.24	0.060	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
DONA	<0.022		0.24	0.022	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
HFPO-DA (GenX)	<0.13		0.30	0.13	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
F-53B Major	<0.033		0.24	0.033	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1
F-53B Minor	<0.027		0.24	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 04:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:17*	*1*
13C5 PFPeA	*89*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:17*	*1*
13C2 PFHxA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:17*	*1*
13C4 PFHpA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:17*	*1*
13C4 PFOA	*88*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:17*	*1*
13C5 PFNA	*91*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:17*	*1*
13C2 PFDA	*89*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:17*	*1*

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Client Sample ID: B-14 (1'-2')
Lab Sample ID: 320-62194-2
Date Collected: 06/25/20 10:05
Matrix: Solid
Date Received: 06/26/20 09:30
Percent Solids: 82.3

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	85		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C2 PFDoA	89		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C2 PFTeDA	88		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C2 PFHxDA	90		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C3 PFBS	81		25 - 150	06/30/20 04:43	07/02/20 04:17	1
18O2 PFHxS	83		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C4 PFOS	80		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C8 FOSA	78		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d3-NMeFOSAA	70		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d5-NEtFOSAA	79		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d-N-MeFOSA-M	51		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d-N-EtFOSA-M	46		25 - 150	06/30/20 04:43	07/02/20 04:17	1
d7-N-MeFOSE-M	6	*5	10 - 120	06/30/20 04:43	07/02/20 04:17	1
d9-N-EtFOSE-M	6	*5	10 - 120	06/30/20 04:43	07/02/20 04:17	1
M2-4:2 FTS	75		25 - 150	06/30/20 04:43	07/02/20 04:17	1
M2-6:2 FTS	79		25 - 150	06/30/20 04:43	07/02/20 04:17	1
M2-8:2 FTS	74		25 - 150	06/30/20 04:43	07/02/20 04:17	1
13C3 HFPO-DA	90		25 - 150	06/30/20 04:43	07/02/20 04:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.7		0.1	0.1	%			07/02/20 14:29	1
Percent Solids	82.3		0.1	0.1	%			07/02/20 14:29	1

Client Sample ID: B-15 (1'-2')
Date Collected: 06/25/20 10:30
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-3
Matrix: Solid
Percent Solids: 86.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.21**	**J B**	0.23	0.032	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoropentanoic acid (PFPeA)	<0.088		0.23	0.088	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorohexanoic acid (PFHxA)	<0.048		0.23	0.048	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoroheptanoic acid (PFHpA)	<0.033		0.23	0.033	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorooctanoic acid (PFOA)	<0.098		0.23	0.098	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorononanoic acid (PFNA)	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorodecanoic acid (PFDA)	<0.025		0.23	0.025	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoroundecanoic acid (PFUnA)	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorododecanoic acid (PFDoA)	<0.076		0.23	0.076	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorotridecanoic acid (PFTriA)	<0.058		0.23	0.058	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.062		0.23	0.062	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.050		0.23	0.050	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.032		0.23	0.032	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.029		0.23	0.029	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.023		0.23	0.023	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.035		0.23	0.035	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.040		0.23	0.040	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.23		0.57	0.23	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorononanesulfonic acid (PFNS)	<0.023		0.23	0.023	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.044		0.23	0.044	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.068		0.23	0.068	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
Perfluorooctanesulfonamide (FOSA)	<0.094		0.23	0.094	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
NEtFOSA	<0.027		0.23	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
NMeFOSA	<0.047		0.23	0.047	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.44		2.3	0.44	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.3	0.42	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
NMeFOSE	<0.081		0.23	0.081	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
NEtFOSE	<0.041		0.23	0.041	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
4:2 FTS	<0.42		2.3	0.42	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
6:2 FTS	<0.17		2.3	0.17	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
8:2 FTS	<0.29		2.3	0.29	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
10:2 FTS	<0.057		0.23	0.057	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
DONA	<0.021		0.23	0.021	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
HFPO-DA (GenX)	<0.13		0.29	0.13	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
F-53B Major	<0.031		0.23	0.031	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1
F-53B Minor	<0.025		0.23	0.025	ug/Kg	☼	06/30/20 04:43	07/02/20 04:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:27*	*1*
13C5 PFPeA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:27*	*1*
13C2 PFHxA	*96*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:27*	*1*
13C4 PFHpA	*94*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:27*	*1*
13C4 PFOA	*95*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:27*	*1*
13C5 PFNA	*96*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:27*	*1*
13C2 PFDA	*94*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:27*	*1*

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Client Sample ID: B-15 (1'-2')
Lab Sample ID: 320-62194-3
Date Collected: 06/25/20 10:30
Matrix: Solid
Date Received: 06/26/20 09:30
Percent Solids: 86.5

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	96		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C2 PFDoA	100		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C2 PFTeDA	89		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C2 PFHxDA	96		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C3 PFBS	75		25 - 150	06/30/20 04:43	07/02/20 04:27	1
18O2 PFHxS	79		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C4 PFOS	77		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C8 FOSA	79		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d3-NMeFOSAA	77		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d5-NEtFOSAA	86		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d-N-MeFOSA-M	45		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d-N-EtFOSA-M	43		25 - 150	06/30/20 04:43	07/02/20 04:27	1
d7-N-MeFOSE-M	6	*5	10 - 120	06/30/20 04:43	07/02/20 04:27	1
d9-N-EtFOSE-M	7	*5	10 - 120	06/30/20 04:43	07/02/20 04:27	1
M2-4:2 FTS	93		25 - 150	06/30/20 04:43	07/02/20 04:27	1
M2-6:2 FTS	81		25 - 150	06/30/20 04:43	07/02/20 04:27	1
M2-8:2 FTS	73		25 - 150	06/30/20 04:43	07/02/20 04:27	1
13C3 HFPO-DA	94		25 - 150	06/30/20 04:43	07/02/20 04:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13.5		0.1	0.1	%			07/02/20 14:29	1
Percent Solids	86.5		0.1	0.1	%			07/02/20 14:29	1

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

Client Sample ID: B-16 (1'-2')
Date Collected: 06/25/20 11:10
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-4
Matrix: Solid
Percent Solids: 82.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.16**	**J B**	0.24	0.034	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluoropentanoic acid (PFPeA)	<0.094		0.24	0.094	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorohexanoic acid (PFHxA)	<0.051		0.24	0.051	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluoroheptanoic acid (PFHpA)	<0.035		0.24	0.035	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorooctanoic acid (PFOA)	<0.10		0.24	0.10	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorononanoic acid (PFNA)	<0.044		0.24	0.044	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorodecanoic acid (PFDA)	<0.027		0.24	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluoroundecanoic acid (PFUnA)	<0.044		0.24	0.044	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorododecanoic acid (PFDoA)	<0.082		0.24	0.082	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorotridecanoic acid (PFTriA)	<0.062		0.24	0.062	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.066		0.24	0.066	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.054		0.24	0.054	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.034		0.24	0.034	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorobutanesulfonic acid (PFBS)	<0.031		0.24	0.031	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.024		0.24	0.024	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorohexanesulfonic acid (PFHxS)	<0.038		0.24	0.038	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.043		0.24	0.043	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorooctanesulfonic acid (PFOS)	**0.51**	**J B**	0.61	0.24	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorononanesulfonic acid (PFNS)	<0.024		0.24	0.024	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.048		0.24	0.048	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.073		0.24	0.073	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
Perfluorooctanesulfonamide (FOSA)	<0.10		0.24	0.10	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
NEtFOSA	<0.029		0.24	0.029	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
NMeFOSA	<0.050		0.24	0.050	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.48		2.4	0.48	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.45		2.4	0.45	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
NMeFOSE	<0.087		0.24	0.087	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
NEtFOSE	<0.044		0.24	0.044	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
4:2 FTS	<0.45		2.4	0.45	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
6:2 FTS	<0.18		2.4	0.18	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
8:2 FTS	<0.31		2.4	0.31	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
10:2 FTS	<0.061		0.24	0.061	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
DONA	<0.022		0.24	0.022	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
HFPO-DA (GenX)	<0.13		0.31	0.13	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
F-53B Major	<0.033		0.24	0.033	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1
F-53B Minor	<0.027		0.24	0.027	ug/Kg	☼	06/30/20 04:43	07/02/20 04:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:36*	*1*
13C5 PFPeA	*89*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:36*	*1*
13C2 PFHxA	*91*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:36*	*1*
13C4 PFHpA	*89*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:36*	*1*
13C4 PFOA	*90*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:36*	*1*
13C5 PFNA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 04:36*	*1*

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Client Sample ID: B-16 (1'-2')
Lab Sample ID: 320-62194-4
Date Collected: 06/25/20 11:10
Matrix: Solid
Date Received: 06/26/20 09:30
Percent Solids: 82.0

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	89		25 - 150	06/30/20 04:43	07/02/20 04:36	1
13C2 PFUnA	89		25 - 150	06/30/20 04:43	07/02/20 04:36	1
13C2 PFDoA	89		25 - 150	06/30/20 04:43	07/02/20 04:36	1
13C2 PFTeDA	83		25 - 150	06/30/20 04:43	07/02/20 04:36	1
13C2 PFHxDA	89		25 - 150	06/30/20 04:43	07/02/20 04:36	1
13C3 PFBS	75		25 - 150	06/30/20 04:43	07/02/20 04:36	1
18O2 PFHxS	80		25 - 150	06/30/20 04:43	07/02/20 04:36	1
13C4 PFOS	71		25 - 150	06/30/20 04:43	07/02/20 04:36	1
13C8 FOSA	71		25 - 150	06/30/20 04:43	07/02/20 04:36	1
d3-NMeFOSAA	84		25 - 150	06/30/20 04:43	07/02/20 04:36	1
d5-NEtFOSAA	78		25 - 150	06/30/20 04:43	07/02/20 04:36	1
d-N-MeFOSA-M	50		25 - 150	06/30/20 04:43	07/02/20 04:36	1
d-N-EtFOSA-M	48		25 - 150	06/30/20 04:43	07/02/20 04:36	1
d7-N-MeFOSE-M	7	*5	10 - 120	06/30/20 04:43	07/02/20 04:36	1
d9-N-EtFOSE-M	7	*5	10 - 120	06/30/20 04:43	07/02/20 04:36	1
M2-4:2 FTS	109		25 - 150	06/30/20 04:43	07/02/20 04:36	1
M2-6:2 FTS	124		25 - 150	06/30/20 04:43	07/02/20 04:36	1
M2-8:2 FTS	102		25 - 150	06/30/20 04:43	07/02/20 04:36	1
13C3 HFPO-DA	90		25 - 150	06/30/20 04:43	07/02/20 04:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18.0		0.1	0.1	%			07/02/20 14:29	1
Percent Solids	82.0		0.1	0.1	%			07/02/20 14:29	1

Isotope Dilution Summary

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-62194-1	B-13 (1'-2')	88	95	94	92	92	93	92	91
320-62194-1 MS	B-13 (1'-2')	95	100	98	98	95	95	93	95
320-62194-1 MSD	B-13 (1'-2')	95	99	93	96	93	97	94	93
320-62194-2	B-14 (1'-2')	87	89	92	92	88	91	89	85
320-62194-3	B-15 (1'-2')	92	92	96	94	95	96	94	96
320-62194-4	B-16 (1'-2')	88	89	91	89	90	92	89	89
LCS 320-390751/2-A	Lab Control Sample	100	102	101	100	101	102	99	95
MB 320-390751/1-A	Method Blank	90	95	92	95	94	93	93	96

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	PFHxDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)
320-62194-1	B-13 (1'-2')	94	90	95	87	87	82	80	76
320-62194-1 MS	B-13 (1'-2')	103	90	98	87	92	89	88	82
320-62194-1 MSD	B-13 (1'-2')	101	89	91	86	89	85	82	77
320-62194-2	B-14 (1'-2')	89	88	90	81	83	80	78	70
320-62194-3	B-15 (1'-2')	100	89	96	75	79	77	79	77
320-62194-4	B-16 (1'-2')	89	83	89	75	80	71	71	84
LCS 320-390751/2-A	Lab Control Sample	101	96	97	101	110	101	89	79
MB 320-390751/1-A	Method Blank	90	88	97	101	103	95	85	66

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	d5NEFOS (25-150)	dMeFOSA (25-150)	dEtFOSA (25-150)	NMFM (10-120)	NEFM (10-120)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)
320-62194-1	B-13 (1'-2')	84	43	43	7 *5	8 *5	76	84	76
320-62194-1 MS	B-13 (1'-2')	82	63	56	9 *5	9 *5	79	87	75
320-62194-1 MSD	B-13 (1'-2')	79	51	48	7 *5	7 *5	83	78	70
320-62194-2	B-14 (1'-2')	79	51	46	6 *5	6 *5	75	79	74
320-62194-3	B-15 (1'-2')	86	45	43	6 *5	7 *5	93	81	73
320-62194-4	B-16 (1'-2')	78	50	48	7 *5	7 *5	109	124	102
LCS 320-390751/2-A	Lab Control Sample	82	38	40	11	10	97	100	88
MB 320-390751/1-A	Method Blank	72	36	37	10	10	93	101	92

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	HFPODA (25-150)
320-62194-1	B-13 (1'-2')	92
320-62194-1 MS	B-13 (1'-2')	96
320-62194-1 MSD	B-13 (1'-2')	96
320-62194-2	B-14 (1'-2')	90
320-62194-3	B-15 (1'-2')	94
320-62194-4	B-16 (1'-2')	90
LCS 320-390751/2-A	Lab Control Sample	98
MB 320-390751/1-A	Method Blank	93

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA

Isotope Dilution Summary

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
PFHxDA = 13C2 PFHxDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-390751/1-A
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.0326	J	0.20	0.028	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoropentanoic acid (PFPeA)	<0.077		0.20	0.077	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorohexanoic acid (PFHxA)	<0.042		0.20	0.042	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoroheptanoic acid (PFHpA)	<0.029		0.20	0.029	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorooctanoic acid (PFOA)	<0.086		0.20	0.086	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorononanoic acid (PFNA)	<0.036		0.20	0.036	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorodecanoic acid (PFDA)	<0.022		0.20	0.022	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoroundecanoic acid (PFUnA)	<0.036		0.20	0.036	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorododecanoic acid (PFDoA)	<0.067		0.20	0.067	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorotridecanoic acid (PFTriA)	<0.051		0.20	0.051	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorotetradecanoic acid (PFTeA)	<0.054		0.20	0.054	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.044		0.20	0.044	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.028		0.20	0.028	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorobutanesulfonic acid (PFBS)	<0.025		0.20	0.025	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoropentanesulfonic acid (PFPeS)	<0.020		0.20	0.020	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorohexanesulfonic acid (PFHxS)	<0.031		0.20	0.031	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.035		0.20	0.035	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorooctanesulfonic acid (PFOS)	0.337	J	0.50	0.20	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorononanesulfonic acid (PFNS)	<0.020		0.20	0.020	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorodecanesulfonic acid (PFDS)	<0.039		0.20	0.039	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorododecanesulfonic acid (PFDoS)	<0.060		0.20	0.060	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
Perfluorooctanesulfonamide (FOSA)	<0.082		0.20	0.082	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
NEtFOSA	<0.024		0.20	0.024	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
NMeFOSA	<0.041		0.20	0.041	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.39		2.0	0.39	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.37		2.0	0.37	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
NMeFOSE	<0.071		0.20	0.071	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
NEtFOSE	<0.036		0.20	0.036	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
4:2 FTS	<0.37		2.0	0.37	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
6:2 FTS	<0.15		2.0	0.15	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
8:2 FTS	<0.25		2.0	0.25	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
10:2 FTS	<0.050		0.20	0.050	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
DONA	<0.018		0.20	0.018	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
HFPO-DA (GenX)	<0.11		0.25	0.11	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
F-53B Major	<0.027		0.20	0.027	ug/Kg		06/30/20 04:43	07/02/20 03:30	1
F-53B Minor	<0.022		0.20	0.022	ug/Kg		06/30/20 04:43	07/02/20 03:30	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:30*	*1*
13C5 PFPeA	*95*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:30*	*1*
13C2 PFHxA	*92*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:30*	*1*
13C4 PFHpA	*95*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:30*	*1*
13C4 PFOA	*94*		*25 - 150*	*06/30/20 04:43*	*07/02/20 03:30*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-390751/1-A
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 390751

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	93		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFDA	93		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFUnA	96		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFDoA	90		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFTeDA	88		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C2 PFHxDA	97		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C3 PFBS	101		25 - 150	06/30/20 04:43	07/02/20 03:30	1
18O2 PFHxS	103		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C4 PFOS	95		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C8 FOSA	85		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d3-NMeFOSAA	66		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d5-NEtFOSAA	72		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d-N-MeFOSA-M	36		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d-N-EtFOSA-M	37		25 - 150	06/30/20 04:43	07/02/20 03:30	1
d7-N-MeFOSE-M	10		10 - 120	06/30/20 04:43	07/02/20 03:30	1
d9-N-EtFOSE-M	10		10 - 120	06/30/20 04:43	07/02/20 03:30	1
M2-4:2 FTS	93		25 - 150	06/30/20 04:43	07/02/20 03:30	1
M2-6:2 FTS	101		25 - 150	06/30/20 04:43	07/02/20 03:30	1
M2-8:2 FTS	92		25 - 150	06/30/20 04:43	07/02/20 03:30	1
13C3 HFPO-DA	93		25 - 150	06/30/20 04:43	07/02/20 03:30	1

Lab Sample ID: LCS 320-390751/2-A
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.18		ug/Kg		109	76 - 136
Perfluoropentanoic acid (PFPeA)	2.00	1.74		ug/Kg		87	69 - 129
Perfluorohexanoic acid (PFHxA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluoroheptanoic acid (PFHpA)	2.00	1.91		ug/Kg		96	71 - 131
Perfluorooctanoic acid (PFOA)	2.00	1.77		ug/Kg		88	72 - 132
Perfluorononanoic acid (PFNA)	2.00	1.85		ug/Kg		93	73 - 133
Perfluorodecanoic acid (PFDA)	2.00	1.96		ug/Kg		98	72 - 132
Perfluoroundecanoic acid (PFUnA)	2.00	2.07		ug/Kg		104	66 - 126
Perfluorododecanoic acid (PFDoA)	2.00	1.67		ug/Kg		83	71 - 131
Perfluorotridecanoic acid (PFTriA)	2.00	1.82		ug/Kg		91	71 - 131
Perfluorotetradecanoic acid (PFTeA)	2.00	1.88		ug/Kg		94	67 - 127
Perfluoro-n-hexadecanoic acid (PFHxDA)	2.00	1.81		ug/Kg		90	75 - 135
Perfluoro-n-octadecanoic acid (PFODA)	2.00	1.93		ug/Kg		97	53 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.81		ug/Kg		102	69 - 129
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.96		ug/Kg		104	66 - 126
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.60		ug/Kg		88	62 - 122

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-390751/2-A
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.92		ug/Kg		101	76 - 136
Perfluorooctanesulfonic acid (PFOS)	1.86	2.06		ug/Kg		111	68 - 141
Perfluorononanesulfonic acid (PFNS)	1.92	1.89		ug/Kg		99	72 - 132
Perfluorodecanesulfonic acid (PFDS)	1.93	1.97		ug/Kg		102	71 - 131
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.82		ug/Kg		94	70 - 130
Perfluorooctanesulfonamide (FOSA)	2.00	1.98		ug/Kg		99	77 - 137
NMeFOSA	2.00	1.98		ug/Kg		99	63 - 148
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.25		ug/Kg		112	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.17		ug/Kg		108	72 - 132
NMeFOSE	2.00	2.14		ug/Kg		107	43 - 153
NEtFOSE	2.00	2.10		ug/Kg		105	44 - 155
4:2 FTS	1.87	1.90	J	ug/Kg		102	68 - 143
6:2 FTS	1.90	1.90	J	ug/Kg		100	73 - 139
8:2 FTS	1.92	2.09		ug/Kg		109	75 - 135
10:2 FTS	1.93	2.18		ug/Kg		113	69 - 145
DONA	1.88	1.97		ug/Kg		105	79 - 139
HFPO-DA (GenX)	2.00	1.97		ug/Kg		98	53 - 158
F-53B Major	1.86	1.85		ug/Kg		99	74 - 134
F-53B Minor	1.88	1.93		ug/Kg		102	66 - 136

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*100*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*101*		*25 - 150*
13C4 PFHpA	*100*		*25 - 150*
13C4 PFOA	*101*		*25 - 150*
13C5 PFNA	*102*		*25 - 150*
13C2 PFDA	*99*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*101*		*25 - 150*
13C2 PFTeDA	*96*		*25 - 150*
13C2 PFHxDA	*97*		*25 - 150*
13C3 PFBS	*101*		*25 - 150*
18O2 PFHxS	*110*		*25 - 150*
13C4 PFOS	*101*		*25 - 150*
13C8 FOSA	*89*		*25 - 150*
d3-NMeFOSAA	*79*		*25 - 150*
d5-NEtFOSAA	*82*		*25 - 150*
d-N-MeFOSA-M	*38*		*25 - 150*
d-N-EtFOSA-M	*40*		*25 - 150*
d7-N-MeFOSE-M	*11*		*10 - 120*
d9-N-EtFOSE-M	*10*		*10 - 120*
M2-4:2 FTS	*97*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-390751/2-A
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 390751

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*100*		*25 - 150*
M2-8:2 FTS	*88*		*25 - 150*
13C3 HFPO-DA	*98*		*25 - 150*

Lab Sample ID: 320-62194-1 MS
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: B-13 (1'-2')
Prep Type: Total/NA
Prep Batch: 390751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.040	J B	2.24	2.56		ug/Kg	☼	113	76 - 136
Perfluoropentanoic acid (PFPeA)	<0.087		2.24	1.86		ug/Kg	☼	83	69 - 129
Perfluorohexanoic acid (PFHxA)	<0.047		2.24	2.17		ug/Kg	☼	97	71 - 131
Perfluoroheptanoic acid (PFHpA)	<0.033		2.24	2.17		ug/Kg	☼	97	71 - 131
Perfluorooctanoic acid (PFOA)	<0.097		2.24	2.13		ug/Kg	☼	95	72 - 132
Perfluorononanoic acid (PFNA)	<0.041		2.24	2.23		ug/Kg	☼	100	73 - 133
Perfluorodecanoic acid (PFDA)	<0.025		2.24	2.24		ug/Kg	☼	100	72 - 132
Perfluoroundecanoic acid (PFUnA)	<0.041		2.24	2.35		ug/Kg	☼	105	66 - 126
Perfluorododecanoic acid (PFDoA)	<0.076		2.24	1.96		ug/Kg	☼	88	71 - 131
Perfluorotridecanoic acid (PFTriA)	<0.057		2.24	2.13		ug/Kg	☼	95	71 - 131
Perfluorotetradecanoic acid (PFTeA)	<0.061		2.24	2.29		ug/Kg	☼	102	67 - 127
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.050		2.24	2.28		ug/Kg	☼	102	75 - 135
Perfluoro-n-octadecanoic acid (PFODA)	<0.032		2.24	2.43		ug/Kg	☼	109	53 - 130
Perfluorobutanesulfonic acid (PFBS)	<0.028		1.98	2.12		ug/Kg	☼	107	69 - 129
Perfluoropentanesulfonic acid (PFPeS)	<0.023		2.10	2.07		ug/Kg	☼	99	66 - 126
Perfluorohexanesulfonic acid (PFHxS)	<0.035		2.04	1.82		ug/Kg	☼	89	62 - 122
Perfluoroheptanesulfonic Acid (PFHpS)	<0.039		2.13	2.13		ug/Kg	☼	100	76 - 136
Perfluorooctanesulfonic acid (PFOS)	<0.23		2.08	2.22		ug/Kg	☼	107	68 - 141
Perfluorononanesulfonic acid (PFNS)	<0.023		2.15	1.99		ug/Kg	☼	93	72 - 132
Perfluorodecanesulfonic acid (PFDS)	<0.044		2.16	1.97		ug/Kg	☼	91	71 - 131
Perfluorododecanesulfonic acid (PFDoS)	<0.068		2.17	2.01		ug/Kg	☼	93	70 - 130
Perfluorooctanesulfonamide (FOSA)	<0.092		2.24	2.20		ug/Kg	☼	98	77 - 137
NMeFOSA	<0.046		2.24	2.14		ug/Kg	☼	96	63 - 148
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.44		2.24	2.54		ug/Kg	☼	114	72 - 132
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.24	2.56		ug/Kg	☼	114	72 - 132
NMeFOSE	<0.080		2.24	2.24		ug/Kg	☼	100	43 - 153
NEtFOSE	<0.041		2.24	2.06		ug/Kg	☼	92	44 - 155

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 320-62194-1 MS
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: B-13 (1'-2')
Prep Type: Total/NA
Prep Batch: 390751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4:2 FTS	<0.42		2.09	2.19	J	ug/Kg	☼	105	68 - 143
6:2 FTS	<0.17		2.12	2.12	J	ug/Kg	☼	100	73 - 139
8:2 FTS	<0.28		2.14	2.22		ug/Kg	☼	104	75 - 135
10:2 FTS	<0.056		2.16	2.53		ug/Kg	☼	117	69 - 145
DONA	<0.020		2.11	2.44		ug/Kg	☼	116	79 - 139
HFPO-DA (GenX)	<0.12		2.24	2.22		ug/Kg	☼	99	53 - 158
F-53B Major	<0.030		2.08	2.12		ug/Kg	☼	102	74 - 134
F-53B Minor	<0.025		2.11	2.08		ug/Kg	☼	99	66 - 136

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*100*		*25 - 150*
13C2 PFHxA	*98*		*25 - 150*
13C4 PFHpA	*98*		*25 - 150*
13C4 PFOA	*95*		*25 - 150*
13C5 PFNA	*95*		*25 - 150*
13C2 PFDA	*93*		*25 - 150*
13C2 PFUnA	*95*		*25 - 150*
13C2 PFDoA	*103*		*25 - 150*
13C2 PFTeDA	*90*		*25 - 150*
13C2 PFHxDA	*98*		*25 - 150*
13C3 PFBS	*87*		*25 - 150*
18O2 PFHxS	*92*		*25 - 150*
13C4 PFOS	*89*		*25 - 150*
13C8 FOSA	*88*		*25 - 150*
d3-NMeFOSAA	*82*		*25 - 150*
d5-NEtFOSAA	*82*		*25 - 150*
d-N-MeFOSA-M	*63*		*25 - 150*
d-N-EtFOSA-M	*56*		*25 - 150*
d7-N-MeFOSE-M	*9*	**5*	*10 - 120*
d9-N-EtFOSE-M	*9*	**5*	*10 - 120*
M2-4:2 FTS	*79*		*25 - 150*
M2-6:2 FTS	*87*		*25 - 150*
M2-8:2 FTS	*75*		*25 - 150*
13C3 HFPO-DA	*96*		*25 - 150*

Lab Sample ID: 320-62194-1 MSD
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: B-13 (1'-2')
Prep Type: Total/NA
Prep Batch: 390751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.040	J B	2.26	2.51		ug/Kg	☼	109	76 - 136	2	30
Perfluoropentanoic acid (PFPeA)	<0.087		2.26	1.85		ug/Kg	☼	82	69 - 129	1	30
Perfluorohexanoic acid (PFHxA)	<0.047		2.26	2.31		ug/Kg	☼	102	71 - 131	6	30
Perfluoroheptanoic acid (PFHpA)	<0.033		2.26	2.25		ug/Kg	☼	99	71 - 131	4	30
Perfluorooctanoic acid (PFOA)	<0.097		2.26	2.13		ug/Kg	☼	94	72 - 132	0	30
Perfluorononanoic acid (PFNA)	<0.041		2.26	2.16		ug/Kg	☼	96	73 - 133	3	30
Perfluorodecanoic acid (PFDA)	<0.025		2.26	2.18		ug/Kg	☼	96	72 - 132	3	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 320-62194-1 MSD
Client Sample ID: B-13 (1'-2')
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 391493
Prep Batch: 390751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	<0.041		2.26	2.27		ug/Kg	☼	100	66 - 126	4	30
Perfluorododecanoic acid (PFDoA)	<0.076		2.26	2.09		ug/Kg	☼	92	71 - 131	6	30
Perfluorotridecanoic acid (PFTriA)	<0.057		2.26	2.08		ug/Kg	☼	92	71 - 131	2	30
Perfluorotetradecanoic acid (PFTeA)	<0.061		2.26	2.27		ug/Kg	☼	100	67 - 127	1	30
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.050		2.26	2.23		ug/Kg	☼	99	75 - 135	2	30
Perfluoro-n-octadecanoic acid (PFODA)	<0.032		2.26	2.42		ug/Kg	☼	107	53 - 130	0	30
Perfluorobutanesulfonic acid (PFBS)	<0.028		2.00	2.14		ug/Kg	☼	107	69 - 129	1	30
Perfluoropentanesulfonic acid (PFPeS)	<0.023		2.12	2.22		ug/Kg	☼	104	66 - 126	7	30
Perfluorohexanesulfonic acid (PFHxS)	<0.035		2.06	1.83		ug/Kg	☼	89	62 - 122	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	<0.039		2.15	2.03		ug/Kg	☼	94	76 - 136	5	30
Perfluorooctanesulfonic acid (PFOS)	<0.23		2.10	2.23		ug/Kg	☼	106	68 - 141	0	30
Perfluorononanesulfonic acid (PFNS)	<0.023		2.17	1.98		ug/Kg	☼	91	72 - 132	1	30
Perfluorodecanesulfonic acid (PFDS)	<0.044		2.18	2.13		ug/Kg	☼	98	71 - 131	8	30
Perfluorododecanesulfonic acid (PFDoS)	<0.068		2.19	2.03		ug/Kg	☼	93	70 - 130	1	30
Perfluorooctanesulfonamide (FOSA)	<0.092		2.26	2.34		ug/Kg	☼	103	77 - 137	6	30
NMeFOSA	<0.046		2.26	2.24		ug/Kg	☼	99	63 - 148	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.44		2.26	2.62		ug/Kg	☼	116	72 - 132	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.26	2.59		ug/Kg	☼	114	72 - 132	1	30
NMeFOSE	<0.080		2.26	2.10		ug/Kg	☼	93	43 - 153	6	30
NEtFOSE	<0.041		2.26	2.27		ug/Kg	☼	100	44 - 155	9	30
4:2 FTS	<0.42		2.11	2.12	J	ug/Kg	☼	100	68 - 143	3	30
6:2 FTS	<0.17		2.15	2.22	J	ug/Kg	☼	104	73 - 139	5	30
8:2 FTS	<0.28		2.17	2.29	J	ug/Kg	☼	106	75 - 135	3	30
10:2 FTS	<0.056		2.18	2.71		ug/Kg	☼	124	69 - 145	7	30
DONA	<0.020		2.13	2.59		ug/Kg	☼	121	79 - 139	6	30
HFPO-DA (GenX)	<0.12		2.26	2.31		ug/Kg	☼	102	53 - 158	4	30
F-53B Major	<0.030		2.11	2.22		ug/Kg	☼	105	74 - 134	4	30
F-53B Minor	<0.025		2.13	2.26		ug/Kg	☼	106	66 - 136	8	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*95*		*25 - 150*
13C5 PFPeA	*99*		*25 - 150*
13C2 PFHxA	*93*		*25 - 150*
13C4 PFHpA	*96*		*25 - 150*
13C4 PFOA	*93*		*25 - 150*
13C5 PFNA	*97*		*25 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 320-62194-1 MSD
Matrix: Solid
Analysis Batch: 391493

Client Sample ID: B-13 (1'-2')
Prep Type: Total/NA
Prep Batch: 390751

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C2 PFDA	94		25 - 150
13C2 PFUnA	93		25 - 150
13C2 PFDoA	101		25 - 150
13C2 PFTeDA	89		25 - 150
13C2 PFHxDA	91		25 - 150
13C3 PFBS	86		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	85		25 - 150
13C8 FOSA	82		25 - 150
d3-NMeFOSAA	77		25 - 150
d5-NEtFOSAA	79		25 - 150
d-N-MeFOSA-M	51		25 - 150
d-N-EtFOSA-M	48		25 - 150
d7-N-MeFOSE-M	7	*5	10 - 120
d9-N-EtFOSE-M	7	*5	10 - 120
M2-4:2 FTS	83		25 - 150
M2-6:2 FTS	78		25 - 150
M2-8:2 FTS	70		25 - 150
13C3 HFPO-DA	96		25 - 150

Method: D 2216 - Percent Moisture

Lab Sample ID: 320-62194-1 DU
Matrix: Solid
Analysis Batch: 391734

Client Sample ID: B-13 (1'-2')
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12.2			11.9		%				2	20
Percent Solids	87.8			88.1		%				0.3	20

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

LCMS

Prep Batch: 390751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62194-1	B-13 (1'-2')	Total/NA	Solid	SHAKE	
320-62194-2	B-14 (1'-2')	Total/NA	Solid	SHAKE	
320-62194-3	B-15 (1'-2')	Total/NA	Solid	SHAKE	
320-62194-4	B-16 (1'-2')	Total/NA	Solid	SHAKE	
MB 320-390751/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-390751/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
320-62194-1 MS	B-13 (1'-2')	Total/NA	Solid	SHAKE	
320-62194-1 MSD	B-13 (1'-2')	Total/NA	Solid	SHAKE	

Analysis Batch: 391493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62194-1	B-13 (1'-2')	Total/NA	Solid	537 (modified)	390751
320-62194-2	B-14 (1'-2')	Total/NA	Solid	537 (modified)	390751
320-62194-3	B-15 (1'-2')	Total/NA	Solid	537 (modified)	390751
320-62194-4	B-16 (1'-2')	Total/NA	Solid	537 (modified)	390751
MB 320-390751/1-A	Method Blank	Total/NA	Solid	537 (modified)	390751
LCS 320-390751/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	390751
320-62194-1 MS	B-13 (1'-2')	Total/NA	Solid	537 (modified)	390751
320-62194-1 MSD	B-13 (1'-2')	Total/NA	Solid	537 (modified)	390751

General Chemistry

Analysis Batch: 391734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-62194-1	B-13 (1'-2')	Total/NA	Solid	D 2216	
320-62194-2	B-14 (1'-2')	Total/NA	Solid	D 2216	
320-62194-3	B-15 (1'-2')	Total/NA	Solid	D 2216	
320-62194-4	B-16 (1'-2')	Total/NA	Solid	D 2216	
320-62194-1 DU	B-13 (1'-2')	Total/NA	Solid	D 2216	

Lab Chronicle

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40405

Job ID: 320-62194-1

Client Sample ID: B-13 (1'-2')
Date Collected: 06/25/20 09:15
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			391734	07/02/20 14:29	TCS	TAL SAC

Client Sample ID: B-13 (1'-2')
Date Collected: 06/25/20 09:15
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-1
Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.05 g	10.00 mL	390751	06/30/20 04:43	MA	TAL SAC
Total/NA	Analysis	537 (modified)		1			391493	07/02/20 03:49	MNV	TAL SAC

Client Sample ID: B-14 (1'-2')
Date Collected: 06/25/20 10:05
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			391734	07/02/20 14:29	TCS	TAL SAC

Client Sample ID: B-14 (1'-2')
Date Collected: 06/25/20 10:05
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-2
Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.03 g	10.00 mL	390751	06/30/20 04:43	MA	TAL SAC
Total/NA	Analysis	537 (modified)		1			391493	07/02/20 04:17	MNV	TAL SAC

Client Sample ID: B-15 (1'-2')
Date Collected: 06/25/20 10:30
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			391734	07/02/20 14:29	TCS	TAL SAC

Client Sample ID: B-15 (1'-2')
Date Collected: 06/25/20 10:30
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-3
Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.07 g	10.00 mL	390751	06/30/20 04:43	MA	TAL SAC
Total/NA	Analysis	537 (modified)		1			391493	07/02/20 04:27	MNV	TAL SAC

Client Sample ID: B-16 (1'-2')
Date Collected: 06/25/20 11:10
Date Received: 06/26/20 09:30

Lab Sample ID: 320-62194-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			391734	07/02/20 14:29	TCS	TAL SAC

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Client Sample ID: B-16 (1'-2')
Lab Sample ID: 320-62194-4

Date Collected: 06/25/20 11:10
Matrix: Solid

Date Received: 06/26/20 09:30
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.00 g	10.00 mL	390751	06/30/20 04:43	MA	TAL SAC
Total/NA	Analysis	537 (modified)		1			391493	07/02/20 04:36	MNV	TAL SAC

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	01-20-21
ANAB	Dept. of Defense ELAP	L2468	01-20-21
ANAB	Dept. of Energy	L2468.01	01-20-21
ANAB	ISO/IEC 17025	L2468	01-20-21
Arizona	State	AZ0708	08-11-20
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-20
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	07-01-21
Georgia	State	4040	01-30-21
Hawaii	State	<cert No.>	01-29-21
Illinois	NELAP	200060	03-17-21
Kansas	NELAP	E-10375	10-31-20
Maine	State	2018009	04-14-22
Michigan	State	9947	01-31-22
Nevada	State	CA000442020-1	07-31-20
New Hampshire	NELAP	2997	04-18-21
New Jersey	NELAP	CA005	06-30-21
New York	NELAP	11666	04-01-21
Oregon	NELAP	4040	01-29-21
Pennsylvania	NELAP	68-01272	03-31-21
Texas	NELAP	T104704399-19-13	06-01-21
US Fish & Wildlife	US Federal Programs	58448	07-31-20
USDA	US Federal Programs	P330-18-00239	07-31-21
Utah	NELAP	CA000442019-01	02-28-21
Vermont	State	VT-4040	04-16-21
Virginia	NELAP	460278	03-14-21
Washington	State	C581	05-05-21
West Virginia (DW)	State	9930C	12-31-20
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 320-62194-1
Project/Site: Community Within the Corridor - 40405

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-62194-1	B-13 (1'-2')	Solid	06/25/20 09:15	06/26/20 09:30	
320-62194-2	B-14 (1'-2')	Solid	06/25/20 10:05	06/26/20 09:30	
320-62194-3	B-15 (1'-2')	Solid	06/25/20 10:30	06/26/20 09:30	
320-62194-4	B-16 (1'-2')	Solid	06/25/20 11:10	06/26/20 09:30	

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
FORM 4400-151

Sample Collector(s)	Title	Telephone # (incl. area code)	Report To
Kyle Vander Heiden & Daniel Trekas	Staff Geologist	(262) 821-1171	Kyle Vander Heiden & Robert Reineke
Property Owner	**Property Address**	**Telephone # (incl. area code)**	**KSingh Project #**
Community Within the Corridor	2748 N. 32nd St Milwaukee,, WI		#40405
I hereby certify that I received, properly, and disposed of the samples as noted below:		Laboratory Name **TestAmerica**	
Relinquished By (Signature)	Date/Time 06/25/2020 12:25	Received By (Signature)	Temperature Blank: If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time 6-25-20 17:00	Received By (Signature) ETA - SAC June 26, 20 930	

1 Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW), etc.
2 Sample description must clearly correlate the sample I.D. to the sampling location

Date Collected	Time Collected	Samples: Type (1)	Samples: Device	Location/Description (2)	PFAS - 36	Sample Condition: # / Type of Container: HNO3	HCL	H2SO4	Unpres.	Other Comment
6/25/2020	9:15	Soil	Hand Auger	B-13 (1'-2')	x				4oz	
6/25/2020	10:05	Soil	Hand Auger	B-14 (1'-2')	x				4oz	
6/25/2020	10:30	Soil	Hand Auger	B-15 (1'-2')	x				4oz	
6/25/2020	11:10	Soil	Hand Auger	B-16 (1'-2')	x				4oz	

320-62194 Chain of Custody

NOTE(S):

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check):
x Dispose [ ] Return [ ] Retain for ____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N
Accepted [ ] Y [ ] N

Accepted By: ~~ETA - SAC @ 930 0.7°C~~ PK 6/26/20
Signature ~~June 26, 20~~ PK 6/26/20

a The container's ID lists 9:30 for time. PK 6/26/20

0.7°C

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
FORM 4400-151

Sample Collector(s)	Title	Telephone # (incl. area code)	Report To
Kyle Vander Heiden & Daniel Trekas	Staff Geologist	(262) 821-1171	Kyle Vander Heiden & Robert Reineke
Property Owner	**Property Address**	**Telephone # (incl. area code)**	**KSingh Project #**
Community Within the Corridor	2748 N. 32nd St Milwaukee,, WI		**#40405**

I hereby certify that I received, properly, and disposed of the samples as noted below: Laboratory Name **TestAmerica**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank:
	06/25/2020 12:25		If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	6-25-20 17:00	ETA - SAC June 26, 20 930	

1 Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW), etc.
2 Sample description must clearly correlate the sample I.D. to the sampling location

Date Collected	Time Collected	Samples: Type (1)	Samples: Device	Location/Description (2)	PFAS - 36	Sample Condition: # / Type of Container: HNO3	HCL	H2SO4	Unpres.	Other Comment
6/25/2020	9:15	Soil	Hand Auger	B-13 (1'-2')	x				4oz	
6/25/2020	10:05	Soil	Hand Auger	B-14 (1'-2')	x				4oz	
6/25/2020	10:30	Soil	Hand Auger	B-15 (1'-2')	x				4oz	
6/25/2020	11:10	Soil	Hand Auger	B-16 (1'-2')	x				4oz	

320-62194 Chain of Custody

NOTE(S):

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check):
[x] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N
Accepted [ ] Y [ ] N

Accepted By: ~~ETA - SAC @ 930 0.7°C~~ PK 6/26/20
Signature ~~June 26, 20~~ PK 6/26/20

• The container's ID lists 9:30 for time. PK 6/26/20

0.7°C

7/8/2020

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 320-62194-1

Login Number: 62194
List Number: 1
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1022883
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-195469-1
Client Project/Site: Community Within the Corridor - 40420

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Jodie Bracken

Authorized for release by:
3/8/2021 11:26:38 AM
Jodie Bracken, Project Management Assistant II
Jodie.Bracken@Eurofinset.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-195469-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-195469-1

Comments
No additional comments.

Receipt
The samples were received on 3/3/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: WB-SS-2 (0'-1') (500-195469-1). Elevated reporting limits (RLs) are provided.

Method 8260B: The matrix spike (MS) recovery for 587211 was outside control limits for Benzene. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Surrogate DCB Decachlorobiphenyl for the following method blank (MB) was above the control limits on the secondary column: (MB 500-587113/1-A). The other surrogate was within limits. The primary column had acceptable surrogate recoveries for both analytes. The MB was non-detect for target analytes, therefore the data have been reported.

Method 8082A: The following sample required a dilution due to the nature of the sample matrix: WB-SS-14 (0'-1') (500-195469-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: WB-SS-14 (0'-1') (500-195469-5).

Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: WB-SS-6 (0'-1') (500-195469-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-SS-2 (0'-1')
Lab Sample ID: 500-195469-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.58		0.065	0.026	mg/Kg	50	☼	8260B	Total/NA
1,4-Dichlorobenzene	5.3		0.065	0.024	mg/Kg	50	☼	8260B	Total/NA
Chlorobenzene	2.1		0.065	0.025	mg/Kg	50	☼	8260B	Total/NA
n-Butylbenzene	0.050	J	0.065	0.025	mg/Kg	50	☼	8260B	Total/NA
sec-Butylbenzene	0.063	J	0.065	0.026	mg/Kg	50	☼	8260B	Total/NA
Tetrachloroethene	0.12		0.065	0.024	mg/Kg	50	☼	8260B	Total/NA
Trichloroethene	0.013	J	0.033	0.011	mg/Kg	50	☼	8260B	Total/NA
1,2-Dichlorobenzene - DL	38		0.65	0.22	mg/Kg	500	☼	8260B	Total/NA

Client Sample ID: WB-SS-6 (0'-1')
Lab Sample ID: 500-195469-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.064	J	0.065	0.022	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	0.014	J	0.053	0.011	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-SS-8 (0'-1')
Lab Sample ID: 500-195469-3

No Detections.

Client Sample ID: WB-SS-12 (0'-1')
Lab Sample ID: 500-195469-4

No Detections.

Client Sample ID: WB-SS-14 (0'-1')
Lab Sample ID: 500-195469-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.34		0.060	0.021	mg/Kg	50	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	0.13		0.060	0.023	mg/Kg	50	☼	8260B	Total/NA
Benzene	0.47	F1	0.015	0.0087	mg/Kg	50	☼	8260B	Total/NA
Ethylbenzene	0.18		0.015	0.011	mg/Kg	50	☼	8260B	Total/NA
Naphthalene	0.25		0.060	0.020	mg/Kg	50	☼	8260B	Total/NA
n-Butylbenzene	0.10		0.060	0.023	mg/Kg	50	☼	8260B	Total/NA
N-Propylbenzene	0.050	J	0.060	0.025	mg/Kg	50	☼	8260B	Total/NA
Styrene	0.078		0.060	0.023	mg/Kg	50	☼	8260B	Total/NA
Toluene	0.32		0.015	0.0087	mg/Kg	50	☼	8260B	Total/NA
Xylenes, Total	0.73		0.030	0.013	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	2.7		0.35	0.076	mg/Kg	20	☼	8082A	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 500-195469-6

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-195469-1	WB-SS-2 (0'-1')	Solid	03/01/21 16:20	03/03/21 10:00	
500-195469-2	WB-SS-6 (0'-1')	Solid	03/01/21 16:00	03/03/21 10:00	
500-195469-3	WB-SS-8 (0'-1')	Solid	03/01/21 15:50	03/03/21 10:00	
500-195469-4	WB-SS-12 (0'-1')	Solid	03/01/21 15:25	03/03/21 10:00	
500-195469-5	WB-SS-14 (0'-1')	Solid	03/01/21 15:40	03/03/21 10:00	
500-195469-6	Trip Blank	Solid	03/01/21 00:00	03/03/21 10:00	

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-SS-2 (0'-1')
Lab Sample ID: 500-195469-1
Date Collected: 03/01/21 16:20
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 86.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.065	0.030	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,1,2-Trichloroethane	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,1-Dichloroethane	<0.027		0.065	0.027	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,2-Dibromoethane	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,2-Dichloroethane	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,2-Dichloropropane	<0.028		0.065	0.028	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,3-Dichlorobenzene	**0.58**		0.065	0.026	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,3-Dichloropropane	<0.024		0.065	0.024	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
1,4-Dichlorobenzene	**5.3**		0.065	0.024	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Benzene	<0.0095		0.016	0.0095	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Bromobenzene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Bromochloromethane	<0.028		0.065	0.028	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Bromodichloromethane	<0.024		0.065	0.024	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Bromoform	<0.032		0.065	0.032	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Bromomethane	<0.052		0.20	0.052	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Chlorobenzene	**2.1**		0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Chloroethane	<0.033		0.065	0.033	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
cis-1,2-Dichloroethene	<0.027		0.065	0.027	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Dibromochloromethane	<0.032		0.065	0.032	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Dibromomethane	<0.018		0.065	0.018	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Methyl tert-butyl ether	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Methylene Chloride	<0.11		0.33	0.11	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Naphthalene	<0.022		0.065	0.022	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
n-Butylbenzene	**0.050**	**J**	0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
p-Isopropyltoluene	<0.024		0.065	0.024	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
sec-Butylbenzene	**0.063**	**J**	0.065	0.026	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50

Client Sample ID: WB-SS-2 (0'-1')
Lab Sample ID: 500-195469-1

Date Collected: 03/01/21 16:20
Matrix: Solid

Date Received: 03/03/21 10:00
Percent Solids: 86.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Tetrachloroethene	**0.12**		0.065	0.024	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Toluene	<0.0096		0.016	0.0096	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
trans-1,3-Dichloropropene	<0.024		0.065	0.024	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Trichloroethene	**0.013**	**J**	0.033	0.011	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50
Xylenes, Total	<0.014		0.033	0.014	mg/Kg	☼	03/01/21 16:20	03/04/21 12:18	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*03/01/21 16:20*	*03/04/21 12:18*	*50*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*	*03/01/21 16:20*	*03/04/21 12:18*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*03/01/21 16:20*	*03/04/21 12:18*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*03/01/21 16:20*	*03/04/21 12:18*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	**38**		0.65	0.22	mg/Kg	☼	03/01/21 16:20	03/04/21 12:43	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*03/01/21 16:20*	*03/04/21 12:43*	*500*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*	*03/01/21 16:20*	*03/04/21 12:43*	*500*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*03/01/21 16:20*	*03/04/21 12:43*	*500*
Toluene-d8 (Surr)	*104*		*75 - 120*	*03/01/21 16:20*	*03/04/21 12:43*	*500*

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-SS-6 (0'-1')
Lab Sample ID: 500-195469-2
Date Collected: 03/01/21 16:00
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 94.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.065	0.030	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,1,2-Trichloroethane	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,1-Dichloroethane	<0.027		0.065	0.027	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2-Dibromoethane	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2-Dichlorobenzene	**0.064**	**J**	0.065	0.022	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2-Dichloroethane	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,2-Dichloropropane	<0.028		0.065	0.028	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,3-Dichlorobenzene	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,3-Dichloropropane	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
1,4-Dichlorobenzene	<0.024		0.065	0.024	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Benzene	<0.0095		0.016	0.0095	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Bromobenzene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Bromochloromethane	<0.028		0.065	0.028	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Bromodichloromethane	<0.024		0.065	0.024	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Bromoform	<0.031		0.065	0.031	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Bromomethane	<0.052		0.19	0.052	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Chlorobenzene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Chloroethane	<0.033		0.065	0.033	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
cis-1,2-Dichloroethene	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Dibromochloromethane	<0.032		0.065	0.032	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Dibromomethane	<0.018		0.065	0.018	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Dichlorodifluoromethane	<0.044		0.19	0.044	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Methyl tert-butyl ether	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Methylene Chloride	<0.11		0.32	0.11	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Naphthalene	<0.022		0.065	0.022	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
n-Butylbenzene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
p-Isopropyltoluene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50

Client Sample ID: WB-SS-6 (0'-1')
Lab Sample ID: 500-195469-2

Date Collected: 03/01/21 16:00
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 94.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Styrene	<0.025		0.065	0.025	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Tetrachloroethene	<0.024		0.065	0.024	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Toluene	<0.0095		0.016	0.0095	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
trans-1,3-Dichloropropene	<0.023		0.065	0.023	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Trichloroethene	<0.011		0.032	0.011	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	03/01/21 16:00	03/04/21 13:08	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*03/01/21 16:00*	*03/04/21 13:08*	*50*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*	*03/01/21 16:00*	*03/04/21 13:08*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*03/01/21 16:00*	*03/04/21 13:08*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*03/01/21 16:00*	*03/04/21 13:08*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.019		0.053	0.019	mg/Kg	☼	03/04/21 16:43	03/05/21 01:40	1
PCB-1221	<0.023		0.053	0.023	mg/Kg	☼	03/04/21 16:43	03/05/21 01:40	1
PCB-1232	<0.023		0.053	0.023	mg/Kg	☼	03/04/21 16:43	03/05/21 01:40	1
PCB-1242	<0.017		0.053	0.017	mg/Kg	☼	03/04/21 16:43	03/05/21 01:40	1
PCB-1248	<0.021		0.053	0.021	mg/Kg	☼	03/04/21 16:43	03/05/21 01:40	1
PCB-1254	**0.014**	**J**	0.053	0.011	mg/Kg	☼	03/04/21 16:43	03/05/21 01:40	1
PCB-1260	<0.026		0.053	0.026	mg/Kg	☼	03/04/21 16:43	03/05/21 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*49 - 129*	*03/04/21 16:43*	*03/05/21 01:40*	*1*
DCB Decachlorobiphenyl	*97*		*37 - 121*	*03/04/21 16:43*	*03/05/21 01:40*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-SS-8 (0'-1')
Lab Sample ID: 500-195469-3
Date Collected: 03/01/21 15:50
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 89.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.061	0.028	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,1,1-Trichloroethane	<0.023		0.061	0.023	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,1,2,2-Tetrachloroethane	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,1,2-Trichloroethane	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,1-Dichloroethane	<0.025		0.061	0.025	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,1-Dichloroethene	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,1-Dichloropropene	<0.018		0.061	0.018	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2,3-Trichlorobenzene	<0.028		0.061	0.028	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2,4-Trichlorobenzene	<0.021		0.061	0.021	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2,4-Trimethylbenzene	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2-Dibromoethane	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2-Dichlorobenzene	<0.021		0.061	0.021	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2-Dichloroethane	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,2-Dichloropropane	<0.026		0.061	0.026	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,3,5-Trimethylbenzene	<0.023		0.061	0.023	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,3-Dichlorobenzene	<0.025		0.061	0.025	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,3-Dichloropropane	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
1,4-Dichlorobenzene	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
2,2-Dichloropropane	<0.027		0.061	0.027	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
2-Chlorotoluene	<0.019		0.061	0.019	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
4-Chlorotoluene	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Benzene	<0.0090		0.015	0.0090	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Bromobenzene	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Bromochloromethane	<0.026		0.061	0.026	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Bromodichloromethane	<0.023		0.061	0.023	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Bromoform	<0.030		0.061	0.030	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Bromomethane	<0.049		0.18	0.049	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Carbon tetrachloride	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Chlorobenzene	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Chloroethane	<0.031		0.061	0.031	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Chloromethane	<0.020		0.061	0.020	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
cis-1,2-Dichloroethene	<0.025		0.061	0.025	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
cis-1,3-Dichloropropene	<0.026		0.061	0.026	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Dibromochloromethane	<0.030		0.061	0.030	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Dibromomethane	<0.017		0.061	0.017	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Hexachlorobutadiene	<0.027		0.061	0.027	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Isopropyl ether	<0.017		0.061	0.017	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Isopropylbenzene	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Methyl tert-butyl ether	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Methylene Chloride	<0.10		0.31	0.10	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Naphthalene	<0.021		0.061	0.021	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
n-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
N-Propylbenzene	<0.025		0.061	0.025	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
p-Isopropyltoluene	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50

Client Sample ID: WB-SS-8 (0'-1')
Lab Sample ID: 500-195469-3

Date Collected: 03/01/21 15:50
Matrix: Solid

Date Received: 03/03/21 10:00
Percent Solids: 89.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Styrene	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
tert-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Tetrachloroethene	<0.023		0.061	0.023	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Toluene	<0.0090		0.015	0.0090	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
trans-1,2-Dichloroethene	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
trans-1,3-Dichloropropene	<0.022		0.061	0.022	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Trichlorofluoromethane	<0.026		0.061	0.026	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Vinyl chloride	<0.016		0.061	0.016	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	03/01/21 15:50	03/04/21 13:32	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*03/01/21 15:50*	*03/04/21 13:32*	*50*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*	*03/01/21 15:50*	*03/04/21 13:32*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*03/01/21 15:50*	*03/04/21 13:32*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*03/01/21 15:50*	*03/04/21 13:32*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-SS-12 (0'-1')
Lab Sample ID: 500-195469-4
Date Collected: 03/01/21 15:25
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.064	0.029	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,1,2-Trichloroethane	<0.022		0.064	0.022	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,3-Dichlorobenzene	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Bromoform	<0.031		0.064	0.031	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Carbon tetrachloride	<0.024		0.064	0.024	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Dibromochloromethane	<0.031		0.064	0.031	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Hexachlorobutadiene	<0.028		0.064	0.028	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Isopropylbenzene	<0.024		0.064	0.024	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50

Client Sample ID: WB-SS-12 (0'-1')
Lab Sample ID: 500-195469-4
Date Collected: 03/01/21 15:25
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Styrene	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Toluene	<0.0094		0.016	0.0094	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	03/01/21 15:25	03/04/21 19:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*	*03/01/21 15:25*	*03/04/21 19:53*	*50*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*	*03/01/21 15:25*	*03/04/21 19:53*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*03/01/21 15:25*	*03/04/21 19:53*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*03/01/21 15:25*	*03/04/21 19:53*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-SS-14 (0'-1')
Lab Sample ID: 500-195469-5
Date Collected: 03/01/21 15:40
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.027		0.060	0.027	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,1,1-Trichloroethane	<0.023		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,1,2,2-Tetrachloroethane	<0.024		0.060	0.024	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,1,2-Trichloroethane	<0.021		0.060	0.021	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,1-Dichloroethane	<0.024		0.060	0.024	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,1-Dichloroethene	<0.023		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,1-Dichloropropene	<0.018		0.060	0.018	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2,3-Trichlorobenzene	<0.027		0.060	0.027	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2,4-Trichlorobenzene	<0.020		0.060	0.020	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2,4-Trimethylbenzene	**0.34**		0.060	0.021	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2-Dibromoethane	<0.023		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2-Dichlorobenzene	<0.020		0.060	0.020	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2-Dichloroethane	<0.023		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,2-Dichloropropane	<0.025		0.060	0.025	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,3,5-Trimethylbenzene	**0.13**		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,3-Dichlorobenzene	<0.024		0.060	0.024	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,3-Dichloropropane	<0.022		0.060	0.022	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
1,4-Dichlorobenzene	<0.022		0.060	0.022	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
2,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
2-Chlorotoluene	<0.019		0.060	0.019	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
4-Chlorotoluene	<0.021		0.060	0.021	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Benzene	**0.47**	**F1**	0.015	0.0087	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Bromobenzene	<0.021		0.060	0.021	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Bromochloromethane	<0.025		0.060	0.025	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Bromodichloromethane	<0.022		0.060	0.022	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Bromoform	<0.029		0.060	0.029	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Bromomethane	<0.047		0.18	0.047	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Carbon tetrachloride	<0.023		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Chlorobenzene	<0.023		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Chloroethane	<0.030		0.060	0.030	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Chloroform	<0.022		0.12	0.022	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Chloromethane	<0.019		0.060	0.019	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
cis-1,2-Dichloroethene	<0.024		0.060	0.024	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
cis-1,3-Dichloropropene	<0.025		0.060	0.025	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Dibromochloromethane	<0.029		0.060	0.029	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Dibromomethane	<0.016		0.060	0.016	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Dichlorodifluoromethane	<0.040		0.18	0.040	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Ethylbenzene	**0.18**		0.015	0.011	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Hexachlorobutadiene	<0.027		0.060	0.027	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Isopropyl ether	<0.016		0.060	0.016	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Isopropylbenzene	<0.023		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Methyl tert-butyl ether	<0.023		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Methylene Chloride	<0.097		0.30	0.097	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Naphthalene	**0.25**		0.060	0.020	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
n-Butylbenzene	**0.10**		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
N-Propylbenzene	**0.050**	**J**	0.060	0.025	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
p-Isopropyltoluene	<0.022		0.060	0.022	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-SS-14 (0'-1')
Lab Sample ID: 500-195469-5
Date Collected: 03/01/21 15:40
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 91.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Styrene	**0.078**		0.060	0.023	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
tert-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Tetrachloroethene	<0.022		0.060	0.022	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Toluene	**0.32**		0.015	0.0087	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
trans-1,2-Dichloroethene	<0.021		0.060	0.021	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
trans-1,3-Dichloropropene	<0.022		0.060	0.022	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Trichloroethene	<0.0098		0.030	0.0098	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Trichlorofluoromethane	<0.025		0.060	0.025	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Vinyl chloride	<0.016		0.060	0.016	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50
Xylenes, Total	**0.73**		0.030	0.013	mg/Kg	☼	03/01/21 15:40	03/04/21 14:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*03/01/21 15:40*	*03/04/21 14:22*	*50*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*	*03/01/21 15:40*	*03/04/21 14:22*	*50*
Dibromofluoromethane (Surr)	*88*		*75 - 120*	*03/01/21 15:40*	*03/04/21 14:22*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*03/01/21 15:40*	*03/04/21 14:22*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.12		0.35	0.12	mg/Kg	☼	03/03/21 16:23	03/04/21 07:51	20
PCB-1221	<0.16		0.35	0.16	mg/Kg	☼	03/03/21 16:23	03/04/21 07:51	20
PCB-1232	<0.15		0.35	0.15	mg/Kg	☼	03/03/21 16:23	03/04/21 07:51	20
PCB-1242	<0.12		0.35	0.12	mg/Kg	☼	03/03/21 16:23	03/04/21 07:51	20
PCB-1248	<0.14		0.35	0.14	mg/Kg	☼	03/03/21 16:23	03/04/21 07:51	20
PCB-1254	**2.7**		0.35	0.076	mg/Kg	☼	03/03/21 16:23	03/04/21 07:51	20
PCB-1260	<0.17		0.35	0.17	mg/Kg	☼	03/03/21 16:23	03/04/21 07:51	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*D*	*49 - 129*	*03/03/21 16:23*	*03/04/21 07:51*	*20*
DCB Decachlorobiphenyl	*0*	*D*	*37 - 121*	*03/03/21 16:23*	*03/04/21 07:51*	*20*

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: Trip Blank
Lab Sample ID: 500-195469-6
Date Collected: 03/01/21 00:00
Matrix: Solid
Date Received: 03/03/21 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: Trip Blank
Lab Sample ID: 500-195469-6
Date Collected: 03/01/21 00:00
Matrix: Solid
Date Received: 03/03/21 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/01/21 00:00	03/04/21 11:53	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/01/21 00:00	03/04/21 11:53	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*	*03/01/21 00:00*	*03/04/21 11:53*	*50*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*	*03/01/21 00:00*	*03/04/21 11:53*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*03/01/21 00:00*	*03/04/21 11:53*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*03/01/21 00:00*	*03/04/21 11:53*	*50*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Prep Batch: 587137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-1	WB-SS-2 (0'-1')	Total/NA	Solid	5035	
500-195469-1 - DL	WB-SS-2 (0'-1')	Total/NA	Solid	5035	
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	5035	
500-195469-3	WB-SS-8 (0'-1')	Total/NA	Solid	5035	
500-195469-4	WB-SS-12 (0'-1')	Total/NA	Solid	5035	
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	5035	
500-195469-6	Trip Blank	Total/NA	Solid	5035	
LB3 500-587137/14-A	Method Blank	Total/NA	Solid	5035	
LCS 500-587137/15-A	Lab Control Sample	Total/NA	Solid	5035	
500-195469-5 MS	WB-SS-14 (0'-1')	Total/NA	Solid	5035	
500-195469-5 MSD	WB-SS-14 (0'-1')	Total/NA	Solid	5035	

Analysis Batch: 587211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-1	WB-SS-2 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-1 - DL	WB-SS-2 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-3	WB-SS-8 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-4	WB-SS-12 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-6	Trip Blank	Total/NA	Solid	8260B	587137
LB3 500-587137/14-A	Method Blank	Total/NA	Solid	8260B	587137
MB 500-587211/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-587137/15-A	Lab Control Sample	Total/NA	Solid	8260B	587137
LCS 500-587211/4	Lab Control Sample	Total/NA	Solid	8260B	
500-195469-5 MS	WB-SS-14 (0'-1')	Total/NA	Solid	8260B	587137
500-195469-5 MSD	WB-SS-14 (0'-1')	Total/NA	Solid	8260B	587137

GC Semi VOA

Prep Batch: 587113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	3541	
MB 500-587113/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-587113/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 587179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	8082A	587113
MB 500-587113/1-A	Method Blank	Total/NA	Solid	8082A	587113
LCS 500-587113/2-A	Lab Control Sample	Total/NA	Solid	8082A	587113

Prep Batch: 587319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	3541	
MB 500-587319/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-587319/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 587353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	8082A	587319

GC Semi VOA (Continued)

Analysis Batch: 587353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-587319/1-A	Method Blank	Total/NA	Solid	8082A	587319
LCS 500-587319/2-A	Lab Control Sample	Total/NA	Solid	8082A	587319

General Chemistry

Analysis Batch: 587087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195469-1	WB-SS-2 (0'-1')	Total/NA	Solid	Moisture	
500-195469-2	WB-SS-6 (0'-1')	Total/NA	Solid	Moisture	
500-195469-3	WB-SS-8 (0'-1')	Total/NA	Solid	Moisture	
500-195469-4	WB-SS-12 (0'-1')	Total/NA	Solid	Moisture	
500-195469-5	WB-SS-14 (0'-1')	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195469-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-195469-1	WB-SS-2 (0'-1')	83	98	89	101
500-195469-1 - DL	WB-SS-2 (0'-1')	83	108	91	104
500-195469-2	WB-SS-6 (0'-1')	85	102	91	102
500-195469-3	WB-SS-8 (0'-1')	84	102	91	100
500-195469-4	WB-SS-12 (0'-1')	81	102	91	101
500-195469-5	WB-SS-14 (0'-1')	85	105	88	103
500-195469-5 MS	WB-SS-14 (0'-1')	81	100	92	101
500-195469-5 MSD	WB-SS-14 (0'-1')	82	100	93	101
500-195469-6	Trip Blank	84	104	91	102
LB3 500-587137/14-A	Method Blank	83	104	91	102
LCS 500-587137/15-A	Lab Control Sample	81	97	91	102
LCS 500-587211/4	Lab Control Sample	81	101	92	103
MB 500-587211/6	Method Blank	85	111	94	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-195469-2	WB-SS-6 (0'-1')	78	97
500-195469-5	WB-SS-14 (0'-1')	0 D	0 D
LCS 500-587113/2-A	Lab Control Sample	94	119
LCS 500-587319/2-A	Lab Control Sample	75	87
MB 500-587113/1-A	Method Blank	97	124 S1+
MB 500-587319/1-A	Method Blank	81	97

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-587137/14-A
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587137

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-587137/14-A
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587137

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/03/21 18:30	03/04/21 11:27	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/03/21 18:30	03/04/21 11:27	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*	*03/03/21 18:30*	*03/04/21 11:27*	*50*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*	*03/03/21 18:30*	*03/04/21 11:27*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*03/03/21 18:30*	*03/04/21 11:27*	*50*
Toluene-d8 (Surr)	*102*		*75 - 120*	*03/03/21 18:30*	*03/04/21 11:27*	*50*

Lab Sample ID: LCS 500-587137/15-A
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.62		mg/Kg		105	70 - 125
1,1,1-Trichloroethane	2.50	2.75		mg/Kg		110	70 - 125
1,1,2,2-Tetrachloroethane	2.50	2.46		mg/Kg		98	62 - 140
1,1,2-Trichloroethane	2.50	2.54		mg/Kg		102	71 - 130
1,1-Dichloroethane	2.50	2.33		mg/Kg		93	70 - 125
1,1-Dichloroethene	2.50	2.39		mg/Kg		95	67 - 122
1,1-Dichloropropene	2.50	2.70		mg/Kg		108	70 - 121
1,2,3-Trichlorobenzene	2.50	2.51		mg/Kg		100	51 - 145
1,2,3-Trichloropropane	2.50	2.37		mg/Kg		95	50 - 133
1,2,4-Trichlorobenzene	2.50	2.73		mg/Kg		109	57 - 137
1,2,4-Trimethylbenzene	2.50	2.73		mg/Kg		109	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.89		mg/Kg		75	56 - 123
1,2-Dibromoethane	2.50	2.53		mg/Kg		101	70 - 125
1,2-Dichlorobenzene	2.50	2.64		mg/Kg		105	70 - 125
1,2-Dichloroethane	2.50	2.26		mg/Kg		90	68 - 127
1,2-Dichloropropane	2.50	2.43		mg/Kg		97	67 - 130
1,3,5-Trimethylbenzene	2.50	2.77		mg/Kg		111	70 - 123
1,3-Dichlorobenzene	2.50	2.77		mg/Kg		111	70 - 125
1,3-Dichloropropane	2.50	2.57		mg/Kg		103	62 - 136
1,4-Dichlorobenzene	2.50	2.70		mg/Kg		108	70 - 120
2,2-Dichloropropane	2.50	2.70		mg/Kg		108	58 - 139
2-Chlorotoluene	2.50	2.70		mg/Kg		108	70 - 125
4-Chlorotoluene	2.50	2.65		mg/Kg		106	68 - 124
Benzene	2.50	2.59		mg/Kg		104	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-587137/15-A
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587137

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.70		mg/Kg		108	70 - 122
Bromochloromethane	2.50	2.67		mg/Kg		107	65 - 122
Bromodichloromethane	2.50	2.39		mg/Kg		96	69 - 120
Bromoform	2.50	2.25		mg/Kg		90	56 - 132
Bromomethane	2.50	1.73		mg/Kg		69	40 - 152
Carbon tetrachloride	2.50	2.44		mg/Kg		98	59 - 133
Chlorobenzene	2.50	2.81		mg/Kg		112	70 - 120
Chloroethane	2.50	2.10		mg/Kg		84	48 - 136
Chloroform	2.50	2.48		mg/Kg		99	70 - 120
Chloromethane	2.50	1.56		mg/Kg		62	56 - 152
cis-1,2-Dichloroethene	2.50	2.63		mg/Kg		105	70 - 125
cis-1,3-Dichloropropene	2.50	2.49		mg/Kg		100	64 - 127
Dibromochloromethane	2.50	2.40		mg/Kg		96	68 - 125
Dibromomethane	2.50	2.41		mg/Kg		97	70 - 120
Dichlorodifluoromethane	2.50	1.37		mg/Kg		55	40 - 159
Ethylbenzene	2.50	2.99		mg/Kg		120	70 - 123
Hexachlorobutadiene	2.50	3.01		mg/Kg		120	51 - 150
Isopropylbenzene	2.50	2.87		mg/Kg		115	70 - 126
Methyl tert-butyl ether	2.50	2.23		mg/Kg		89	55 - 123
Methylene Chloride	2.50	2.43		mg/Kg		97	69 - 125
Naphthalene	2.50	2.40		mg/Kg		96	53 - 144
n-Butylbenzene	2.50	2.88		mg/Kg		115	68 - 125
N-Propylbenzene	2.50	2.78		mg/Kg		111	69 - 127
p-Isopropyltoluene	2.50	2.86		mg/Kg		114	70 - 125
sec-Butylbenzene	2.50	2.87		mg/Kg		115	70 - 123
Styrene	2.50	2.76		mg/Kg		110	70 - 120
tert-Butylbenzene	2.50	2.80		mg/Kg		112	70 - 121
Tetrachloroethene	2.50	3.03		mg/Kg		121	70 - 128
Toluene	2.50	2.78		mg/Kg		111	70 - 125
trans-1,2-Dichloroethene	2.50	2.64		mg/Kg		106	70 - 125
trans-1,3-Dichloropropene	2.50	2.25		mg/Kg		90	62 - 128
Trichloroethene	2.50	2.79		mg/Kg		112	70 - 125
Trichlorofluoromethane	2.50	2.24		mg/Kg		90	55 - 128
Vinyl chloride	2.50	1.96		mg/Kg		78	64 - 126
Xylenes, Total	5.00	5.40		mg/Kg		108	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane (Surr)	*91*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: 500-195469-5 MS
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: WB-SS-14 (0'-1')
Prep Type: Total/NA
Prep Batch: 587137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.027		2.98	2.50		mg/Kg	☼	84	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-195469-5 MS
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: WB-SS-14 (0'-1')
Prep Type: Total/NA
Prep Batch: 587137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.023		2.98	2.69		mg/Kg	☼	90	70 - 125
1,1,2,2-Tetrachloroethane	<0.024		2.98	2.43		mg/Kg	☼	82	62 - 140
1,1,2-Trichloroethane	<0.021		2.98	2.48		mg/Kg	☼	83	71 - 130
1,1-Dichloroethane	<0.024		2.98	2.28		mg/Kg	☼	77	70 - 125
1,1-Dichloroethene	<0.023		2.98	2.43		mg/Kg	☼	82	67 - 122
1,1-Dichloropropene	<0.018		2.98	2.59		mg/Kg	☼	87	70 - 121
1,2,3-Trichlorobenzene	<0.027		2.98	2.35		mg/Kg	☼	79	51 - 145
1,2,3-Trichloropropane	<0.025		2.98	2.36		mg/Kg	☼	79	50 - 133
1,2,4-Trichlorobenzene	<0.020		2.98	2.46		mg/Kg	☼	83	57 - 137
1,2,4-Trimethylbenzene	0.34		2.98	2.63		mg/Kg	☼	77	70 - 123
1,2-Dibromo-3-Chloropropane	<0.12		2.98	1.87		mg/Kg	☼	63	56 - 123
1,2-Dibromoethane	<0.023		2.98	2.47		mg/Kg	☼	83	70 - 125
1,2-Dichlorobenzene	<0.020		2.98	2.53		mg/Kg	☼	85	70 - 125
1,2-Dichloroethane	<0.023		2.98	2.14		mg/Kg	☼	72	68 - 127
1,2-Dichloropropane	<0.025		2.98	2.30		mg/Kg	☼	77	67 - 130
1,3,5-Trimethylbenzene	0.13		2.98	2.69		mg/Kg	☼	86	70 - 123
1,3-Dichlorobenzene	<0.024		2.98	2.66		mg/Kg	☼	89	70 - 125
1,3-Dichloropropane	<0.022		2.98	2.46		mg/Kg	☼	83	62 - 136
1,4-Dichlorobenzene	<0.022		2.98	2.60		mg/Kg	☼	87	70 - 120
2,2-Dichloropropane	<0.026		2.98	2.76		mg/Kg	☼	93	58 - 139
2-Chlorotoluene	<0.019		2.98	2.62		mg/Kg	☼	88	70 - 125
4-Chlorotoluene	<0.021		2.98	2.57		mg/Kg	☼	86	68 - 124
Benzene	0.47	F1	2.98	2.49	F1	mg/Kg	☼	68	70 - 120
Bromobenzene	<0.021		2.98	2.66		mg/Kg	☼	89	70 - 122
Bromochloromethane	<0.025		2.98	2.60		mg/Kg	☼	88	65 - 122
Bromodichloromethane	<0.022		2.98	2.29		mg/Kg	☼	77	69 - 120
Bromoform	<0.029		2.98	2.24		mg/Kg	☼	75	56 - 132
Bromomethane	<0.047		2.98	2.64		mg/Kg	☼	89	40 - 152
Carbon tetrachloride	<0.023		2.98	2.40		mg/Kg	☼	81	59 - 133
Chlorobenzene	<0.023		2.98	2.65		mg/Kg	☼	89	70 - 120
Chloroethane	<0.030		2.98	2.27		mg/Kg	☼	76	48 - 136
Chloroform	<0.022		2.98	2.38		mg/Kg	☼	80	70 - 120
Chloromethane	<0.019		2.98	1.75		mg/Kg	☼	59	56 - 152
cis-1,2-Dichloroethene	<0.024		2.98	2.51		mg/Kg	☼	84	70 - 125
cis-1,3-Dichloropropene	<0.025		2.98	2.37		mg/Kg	☼	80	64 - 127
Dibromochloromethane	<0.029		2.98	2.37		mg/Kg	☼	80	68 - 125
Dibromomethane	<0.016		2.98	2.36		mg/Kg	☼	79	70 - 120
Dichlorodifluoromethane	<0.040		2.98	1.84		mg/Kg	☼	62	40 - 159
Ethylbenzene	0.18		2.98	2.83		mg/Kg	☼	89	70 - 123
Hexachlorobutadiene	<0.027		2.98	2.62		mg/Kg	☼	88	51 - 150
Isopropylbenzene	<0.023		2.98	2.80		mg/Kg	☼	94	70 - 126
Methyl tert-butyl ether	<0.023		2.98	2.15		mg/Kg	☼	72	55 - 123
Methylene Chloride	<0.097		2.98	2.36		mg/Kg	☼	79	69 - 125
Naphthalene	0.25		2.98	2.24		mg/Kg	☼	67	53 - 144
n-Butylbenzene	0.10		2.98	2.72		mg/Kg	☼	88	68 - 125
N-Propylbenzene	0.050	J	2.98	2.70		mg/Kg	☼	89	69 - 127
p-Isopropyltoluene	<0.022		2.98	2.76		mg/Kg	☼	93	70 - 125
sec-Butylbenzene	<0.024		2.98	2.77		mg/Kg	☼	93	70 - 123
Styrene	0.078		2.98	2.62		mg/Kg	☼	85	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-195469-5 MS
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: WB-SS-14 (0'-1')
Prep Type: Total/NA
Prep Batch: 587137

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.024		2.98	2.71		mg/Kg	☼	91	70 - 121
Tetrachloroethene	<0.022		2.98	2.88		mg/Kg	☼	97	70 - 128
Toluene	0.32		2.98	2.63		mg/Kg	☼	78	70 - 125
trans-1,2-Dichloroethene	<0.021		2.98	2.58		mg/Kg	☼	87	70 - 125
trans-1,3-Dichloropropene	<0.022		2.98	2.19		mg/Kg	☼	73	62 - 128
Trichloroethene	<0.0098		2.98	2.69		mg/Kg	☼	91	70 - 125
Trichlorofluoromethane	<0.025		2.98	2.25		mg/Kg	☼	76	55 - 128
Vinyl chloride	<0.016		2.98	2.11		mg/Kg	☼	71	64 - 126
Xylenes, Total	0.73		5.95	5.11		mg/Kg	☼	74	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane (Surr)	*92*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: 500-195469-5 MSD
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: WB-SS-14 (0'-1')
Prep Type: Total/NA
Prep Batch: 587137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.027		2.98	2.60		mg/Kg	☼	87	70 - 125	4	30
1,1,1-Trichloroethane	<0.023		2.98	2.77		mg/Kg	☼	93	70 - 125	3	30
1,1,2,2-Tetrachloroethane	<0.024		2.98	2.53		mg/Kg	☼	85	62 - 140	4	30
1,1,2-Trichloroethane	<0.021		2.98	2.53		mg/Kg	☼	85	71 - 130	2	30
1,1-Dichloroethane	<0.024		2.98	2.34		mg/Kg	☼	79	70 - 125	3	30
1,1-Dichloroethene	<0.023		2.98	2.48		mg/Kg	☼	83	67 - 122	2	30
1,1-Dichloropropene	<0.018		2.98	2.67		mg/Kg	☼	90	70 - 121	3	30
1,2,3-Trichlorobenzene	<0.027		2.98	2.32		mg/Kg	☼	78	51 - 145	1	30
1,2,3-Trichloropropane	<0.025		2.98	2.46		mg/Kg	☼	83	50 - 133	4	30
1,2,4-Trichlorobenzene	<0.020		2.98	2.45		mg/Kg	☼	82	57 - 137	0	30
1,2,4-Trimethylbenzene	0.34		2.98	2.74		mg/Kg	☼	80	70 - 123	4	30
1,2-Dibromo-3-Chloropropane	<0.12		2.98	1.87		mg/Kg	☼	63	56 - 123	0	30
1,2-Dibromoethane	<0.023		2.98	2.53		mg/Kg	☼	85	70 - 125	3	30
1,2-Dichlorobenzene	<0.020		2.98	2.65		mg/Kg	☼	89	70 - 125	5	30
1,2-Dichloroethane	<0.023		2.98	2.20		mg/Kg	☼	74	68 - 127	3	30
1,2-Dichloropropane	<0.025		2.98	2.34		mg/Kg	☼	79	67 - 130	2	30
1,3,5-Trimethylbenzene	0.13		2.98	2.76		mg/Kg	☼	88	70 - 123	3	30
1,3-Dichlorobenzene	<0.024		2.98	2.77		mg/Kg	☼	93	70 - 125	4	30
1,3-Dichloropropane	<0.022		2.98	2.51		mg/Kg	☼	84	62 - 136	2	30
1,4-Dichlorobenzene	<0.022		2.98	2.71		mg/Kg	☼	91	70 - 120	4	30
2,2-Dichloropropane	<0.026		2.98	2.94		mg/Kg	☼	99	58 - 139	6	30
2-Chlorotoluene	<0.019		2.98	2.73		mg/Kg	☼	92	70 - 125	4	30
4-Chlorotoluene	<0.021		2.98	2.66		mg/Kg	☼	89	68 - 124	3	30
Benzene	0.47	F1	2.98	2.56		mg/Kg	☼	70	70 - 120	3	30
Bromobenzene	<0.021		2.98	2.73		mg/Kg	☼	92	70 - 122	3	30
Bromochloromethane	<0.025		2.98	2.71		mg/Kg	☼	91	65 - 122	4	30
Bromodichloromethane	<0.022		2.98	2.40		mg/Kg	☼	81	69 - 120	5	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-195469-5 MSD
Client Sample ID: WB-SS-14 (0'-1')
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 587211
Prep Batch: 587137

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.029		2.98	2.36		mg/Kg	☼	79	56 - 132	5	30
Bromomethane	<0.047		2.98	2.80		mg/Kg	☼	94	40 - 152	6	30
Carbon tetrachloride	<0.023		2.98	2.47		mg/Kg	☼	83	59 - 133	3	30
Chlorobenzene	<0.023		2.98	2.76		mg/Kg	☼	93	70 - 120	4	30
Chloroethane	<0.030		2.98	2.39		mg/Kg	☼	80	48 - 136	5	30
Chloroform	<0.022		2.98	2.45		mg/Kg	☼	82	70 - 120	3	30
Chloromethane	<0.019		2.98	1.85		mg/Kg	☼	62	56 - 152	6	30
cis-1,2-Dichloroethene	<0.024		2.98	2.63		mg/Kg	☼	88	70 - 125	4	30
cis-1,3-Dichloropropene	<0.025		2.98	2.48		mg/Kg	☼	83	64 - 127	4	30
Dibromochloromethane	<0.029		2.98	2.48		mg/Kg	☼	83	68 - 125	5	30
Dibromomethane	<0.016		2.98	2.45		mg/Kg	☼	82	70 - 120	4	30
Dichlorodifluoromethane	<0.040		2.98	1.92		mg/Kg	☼	65	40 - 159	4	30
Ethylbenzene	0.18		2.98	2.93		mg/Kg	☼	92	70 - 123	3	30
Hexachlorobutadiene	<0.027		2.98	2.61		mg/Kg	☼	88	51 - 150	1	30
Isopropylbenzene	<0.023		2.98	2.90		mg/Kg	☼	98	70 - 126	4	30
Methyl tert-butyl ether	<0.023		2.98	2.27		mg/Kg	☼	76	55 - 123	5	30
Methylene Chloride	<0.097		2.98	2.49		mg/Kg	☼	84	69 - 125	5	30
Naphthalene	0.25		2.98	2.23		mg/Kg	☼	67	53 - 144	0	30
n-Butylbenzene	0.10		2.98	2.75		mg/Kg	☼	89	68 - 125	1	30
N-Propylbenzene	0.050	J	2.98	2.80		mg/Kg	☼	92	69 - 127	4	30
p-Isopropyltoluene	<0.022		2.98	2.84		mg/Kg	☼	95	70 - 125	3	30
sec-Butylbenzene	<0.024		2.98	2.84		mg/Kg	☼	95	70 - 123	2	30
Styrene	0.078		2.98	2.69		mg/Kg	☼	88	70 - 120	3	30
tert-Butylbenzene	<0.024		2.98	2.81		mg/Kg	☼	94	70 - 121	3	30
Tetrachloroethene	<0.022		2.98	2.96		mg/Kg	☼	100	70 - 128	3	30
Toluene	0.32		2.98	2.71		mg/Kg	☼	80	70 - 125	3	30
trans-1,2-Dichloroethene	<0.021		2.98	2.68		mg/Kg	☼	90	70 - 125	4	30
trans-1,3-Dichloropropene	<0.022		2.98	2.28		mg/Kg	☼	77	62 - 128	4	30
Trichloroethene	<0.0098		2.98	2.77		mg/Kg	☼	93	70 - 125	3	30
Trichlorofluoromethane	<0.025		2.98	2.39		mg/Kg	☼	80	55 - 128	6	30
Vinyl chloride	<0.016		2.98	2.25		mg/Kg	☼	76	64 - 126	6	30
Xylenes, Total	0.73		5.95	5.29		mg/Kg	☼	77	70 - 125	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane (Surr)	*93*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: MB 500-587211/6
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 587211

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			03/04/21 11:02	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			03/04/21 11:02	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/04/21 11:02	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/04/21 11:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-587211/6
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/04/21 11:02	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/04/21 11:02	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/04/21 11:02	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/04/21 11:02	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/04/21 11:02	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/04/21 11:02	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/04/21 11:02	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/04/21 11:02	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/04/21 11:02	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/04/21 11:02	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/04/21 11:02	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/04/21 11:02	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/04/21 11:02	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/04/21 11:02	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/04/21 11:02	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/04/21 11:02	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/04/21 11:02	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/04/21 11:02	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/04/21 11:02	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/04/21 11:02	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/04/21 11:02	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/04/21 11:02	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/04/21 11:02	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/04/21 11:02	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/04/21 11:02	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/04/21 11:02	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/04/21 11:02	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/04/21 11:02	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/04/21 11:02	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/04/21 11:02	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/04/21 11:02	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/04/21 11:02	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/04/21 11:02	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/04/21 11:02	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/04/21 11:02	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/04/21 11:02	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/04/21 11:02	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/04/21 11:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-587211/6
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/04/21 11:02	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/04/21 11:02	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/04/21 11:02	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/04/21 11:02	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/04/21 11:02	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/04/21 11:02	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/04/21 11:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*		*03/04/21 11:02*	*1*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*		*03/04/21 11:02*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*03/04/21 11:02*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*03/04/21 11:02*	*1*

Lab Sample ID: LCS 500-587211/4
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0469		mg/Kg		94	70 - 125
1,1,1-Trichloroethane	0.0500	0.0480		mg/Kg		96	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0443		mg/Kg		89	62 - 140
1,1,2-Trichloroethane	0.0500	0.0442		mg/Kg		88	71 - 130
1,1-Dichloroethane	0.0500	0.0400		mg/Kg		80	70 - 125
1,1-Dichloroethene	0.0500	0.0429		mg/Kg		86	67 - 122
1,1-Dichloropropene	0.0500	0.0459		mg/Kg		92	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0401		mg/Kg		80	51 - 145
1,2,3-Trichloropropane	0.0500	0.0439		mg/Kg		88	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0425		mg/Kg		85	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0476		mg/Kg		95	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0345		mg/Kg		69	56 - 123
1,2-Dibromoethane	0.0500	0.0442		mg/Kg		88	70 - 125
1,2-Dichlorobenzene	0.0500	0.0458		mg/Kg		92	70 - 125
1,2-Dichloroethane	0.0500	0.0387		mg/Kg		77	68 - 127
1,2-Dichloropropane	0.0500	0.0418		mg/Kg		84	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0485		mg/Kg		97	70 - 123
1,3-Dichlorobenzene	0.0500	0.0486		mg/Kg		97	70 - 125
1,3-Dichloropropane	0.0500	0.0440		mg/Kg		88	62 - 136
1,4-Dichlorobenzene	0.0500	0.0473		mg/Kg		95	70 - 120
2,2-Dichloropropane	0.0500	0.0497		mg/Kg		99	58 - 139
2-Chlorotoluene	0.0500	0.0476		mg/Kg		95	70 - 125
4-Chlorotoluene	0.0500	0.0467		mg/Kg		93	68 - 124
Benzene	0.0500	0.0444		mg/Kg		89	70 - 120
Bromobenzene	0.0500	0.0484		mg/Kg		97	70 - 122
Bromochloromethane	0.0500	0.0460		mg/Kg		92	65 - 122
Bromodichloromethane	0.0500	0.0429		mg/Kg		86	69 - 120
Bromoform	0.0500	0.0433		mg/Kg		87	56 - 132
Bromomethane	0.0500	0.0477		mg/Kg		95	40 - 152

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-587211/4
Matrix: Solid
Analysis Batch: 587211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0435		mg/Kg		87	59 - 133
Chlorobenzene	0.0500	0.0485		mg/Kg		97	70 - 120
Chloroethane	0.0500	0.0405		mg/Kg		81	48 - 136
Chloroform	0.0500	0.0425		mg/Kg		85	70 - 120
Chloromethane	0.0500	0.0315		mg/Kg		63	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0456		mg/Kg		91	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0438		mg/Kg		88	64 - 127
Dibromochloromethane	0.0500	0.0448		mg/Kg		90	68 - 125
Dibromomethane	0.0500	0.0423		mg/Kg		85	70 - 120
Dichlorodifluoromethane	0.0500	0.0341		mg/Kg		68	40 - 159
Ethylbenzene	0.0500	0.0511		mg/Kg		102	70 - 123
Hexachlorobutadiene	0.0500	0.0440		mg/Kg		88	51 - 150
Isopropylbenzene	0.0500	0.0505		mg/Kg		101	70 - 126
Methyl tert-butyl ether	0.0500	0.0381		mg/Kg		76	55 - 123
Methylene Chloride	0.0500	0.0420		mg/Kg		84	69 - 125
Naphthalene	0.0500	0.0378		mg/Kg		76	53 - 144
n-Butylbenzene	0.0500	0.0477		mg/Kg		95	68 - 125
N-Propylbenzene	0.0500	0.0484		mg/Kg		97	69 - 127
p-Isopropyltoluene	0.0500	0.0490		mg/Kg		98	70 - 125
sec-Butylbenzene	0.0500	0.0494		mg/Kg		99	70 - 123
Styrene	0.0500	0.0472		mg/Kg		94	70 - 120
tert-Butylbenzene	0.0500	0.0491		mg/Kg		98	70 - 121
Tetrachloroethene	0.0500	0.0517		mg/Kg		103	70 - 128
Toluene	0.0500	0.0474		mg/Kg		95	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0461		mg/Kg		92	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0404		mg/Kg		81	62 - 128
Trichloroethene	0.0500	0.0480		mg/Kg		96	70 - 125
Trichlorofluoromethane	0.0500	0.0405		mg/Kg		81	55 - 128
Vinyl chloride	0.0500	0.0382		mg/Kg		76	64 - 126
Xylenes, Total	0.100	0.0919		mg/Kg		92	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*75 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*
Dibromofluoromethane (Surr)	*92*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-587113/1-A
Matrix: Solid
Analysis Batch: 587179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587113

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		03/03/21 16:23	03/04/21 02:43	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 500-587113/1-A
Matrix: Solid
Analysis Batch: 587179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587113

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		03/03/21 16:23	03/04/21 02:43	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		03/03/21 16:23	03/04/21 02:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*49 - 129*	*03/03/21 16:23*	*03/04/21 02:43*	*1*
DCB Decachlorobiphenyl	*124*	*S1+*	*37 - 121*	*03/03/21 16:23*	*03/04/21 02:43*	*1*

Lab Sample ID: LCS 500-587113/2-A
Matrix: Solid
Analysis Batch: 587179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587113

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.167	0.157		mg/Kg		94	57 - 120		
PCB-1260			0.167	0.168		mg/Kg		101	61 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*94*		*49 - 129*
DCB Decachlorobiphenyl	*119*		*37 - 121*

Lab Sample ID: MB 500-587319/1-A
Matrix: Solid
Analysis Batch: 587353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		03/04/21 16:43	03/04/21 21:49	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		03/04/21 16:43	03/04/21 21:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*49 - 129*	*03/04/21 16:43*	*03/04/21 21:49*	*1*
DCB Decachlorobiphenyl	*97*		*37 - 121*	*03/04/21 16:43*	*03/04/21 21:49*	*1*

Lab Sample ID: LCS 500-587319/2-A
Matrix: Solid
Analysis Batch: 587353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587319

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.167	0.123		mg/Kg		74	57 - 120		
PCB-1260			0.167	0.130		mg/Kg		78	61 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*75*		*49 - 129*
DCB Decachlorobiphenyl	*87*		*37 - 121*

Client Sample ID: WB-SS-2 (0'-1')
Lab Sample ID: 500-195469-1
Date Collected: 03/01/21 16:20
Matrix: Solid
Date Received: 03/03/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

Client Sample ID: WB-SS-2 (0'-1')
Lab Sample ID: 500-195469-1
Date Collected: 03/01/21 16:20
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 12:18	EMA	TAL CHI
Total/NA	Prep	5035	DL		587137	03/01/21 16:20	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	587211	03/04/21 12:43	EMA	TAL CHI

Client Sample ID: WB-SS-6 (0'-1')
Lab Sample ID: 500-195469-2
Date Collected: 03/01/21 16:00
Matrix: Solid
Date Received: 03/03/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

Client Sample ID: WB-SS-6 (0'-1')
Lab Sample ID: 500-195469-2
Date Collected: 03/01/21 16:00
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 16:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 13:08	EMA	TAL CHI
Total/NA	Prep	3541			587319	03/04/21 16:43	ACK	TAL CHI
Total/NA	Analysis	8082A		1	587353	03/05/21 01:40	SS	TAL CHI

Client Sample ID: WB-SS-8 (0'-1')
Lab Sample ID: 500-195469-3
Date Collected: 03/01/21 15:50
Matrix: Solid
Date Received: 03/03/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

Client Sample ID: WB-SS-8 (0'-1')
Lab Sample ID: 500-195469-3
Date Collected: 03/01/21 15:50
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 15:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 13:32	EMA	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-SS-12 (0'-1')
Lab Sample ID: 500-195469-4
Date Collected: 03/01/21 15:25
Matrix: Solid
Date Received: 03/03/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

Client Sample ID: WB-SS-12 (0'-1')
Lab Sample ID: 500-195469-4
Date Collected: 03/01/21 15:25
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 15:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 19:53	EMA	TAL CHI

Client Sample ID: WB-SS-14 (0'-1')
Lab Sample ID: 500-195469-5
Date Collected: 03/01/21 15:40
Matrix: Solid
Date Received: 03/03/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587087	03/03/21 13:49	LWN	TAL CHI

Client Sample ID: WB-SS-14 (0'-1')
Lab Sample ID: 500-195469-5
Date Collected: 03/01/21 15:40
Matrix: Solid
Date Received: 03/03/21 10:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 15:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 14:22	EMA	TAL CHI
Total/NA	Prep	3541			587113	03/03/21 16:23	JP1	TAL CHI
Total/NA	Analysis	8082A		20	587179	03/04/21 07:51	SS	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-195469-6
Date Collected: 03/01/21 00:00
Matrix: Solid
Date Received: 03/03/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587137	03/01/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587211	03/04/21 11:53	EMA	TAL CHI

Laboratory References:
TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195469-1
Project/Site: Community Within the Corridor - 40420

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-195469

500-195469 COC

Sample Collector(s)	Title	Telephone # (incl area code)	Report To
Kyle Vander Heiden	Staff Geologist	(262) 821-1171	Kyle Vander Heiden & Robert Reineke
Property Owner	**Property Address**	**Telephone # (incl area code)**	**KSingh Project #**
Community Within the Corridor Limited Partnership	2748 N 32nd Street Milwaukee WI 53208	N/A	40420

I hereby certify that I received properly and disposed of the samples as noted below

Laboratory Name **TestAmerica**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank
	3/2/21 @ 0900		If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	3-2-21 17.00	Stephanie Hernandez ETA-CHI 3/3/21 1000	

1 Specify groundwater (GW), soil (S) air (A) sludge (SL), surface water (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

Sample Condition temp: 1.1

	Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	8260B VOC	PCBs									# / Type of Container MeOH	--	--	Unpres	--- Other Comment
1	3/1/2021	1620	S	Auger	WB-55-2(0'-1')	X										1			1	
2	3/1/2021	1600	S	Auger	WB-55-6(0-1')	X	X									1			2	
3	3/1/2021	1550	S	Auger	WB-55-8(0-1')	X										1			1	
4	3/1/2021	1525	S	Auger	WB-55-12(0'-1')	X										1			1	
5	3/1/2021	1540	S	Auger	WB-55-14(0-1')	X	X									1			2	
	—	—	—	—	Trp Blank	X										1			0	

NOTE(S) 5-day turn requested

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[ ] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By
Accepted [ ] Y [ ] N
Signature

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-195469-1

Login Number: 195469
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-197099-1
Client Project/Site: Community Within the Corridor - 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Sandra Fredrick

Authorized for release by:
4/15/2021 3:16:34 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-197099-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-197099-1

Comments
No additional comments.

Receipt
The samples were received on 4/6/2021 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

GC/MS VOA
Method 8260B: Methylene chloride was detected in the following samples: WB-Int-15 (0.5'-1.5') (500-197099-7), WB-Int-16 (0.5'-1.5') (500-197099-8), WB-Int-17 (0.5'-1.5') (500-197099-9), WB-Int-1 (0.5'-1.5') (500-197099-10), WB-Int-2 (0.5'-1.5') (500-197099-11), WB-Int-3 (0.5'-1.5') (500-197099-12), WB-Int-4 (0.5'-1.5') (500-197099-13), WB-Int-5 (0.5'-1.5') (500-197099-14), WB-Int-6 (0.5'-1.5') (500-197099-15), WB-Int-7 (0.5'-1.5') (500-197099-16), WB-Int-8 (0.5'-1.5') (500-197099-17) and TB (500-197099-18). The method blank associated with these samples also had a small hit for Methylene chloride. Methylene chloide is a known lab contaminant; therefore all low level detects for this compound (less than 3 times the reporting limit) could be suspected as lab contamination.

Method 8260B: The matrix spike duplicate (MSD) for the following sample was analyzed outside the 12 hour tune window. No further action was taken.WB-Int-14 (0.5'-1.5') (500-197099-6)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1016: WB-Int-13 (0.5'-1.5') (500-197099-5).

Method 8082A: The following samples appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: WB-Int-14 (0.5'-1.5') (500-197099-6), WB-Int-17 (0.5'-1.5') (500-197099-9) and WB-Int-1 (0.5'-1.5') (500-197099-10). The samples have been quantified and reported as PCB-1248. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: WB-Int-2 (0.5'-1.5') (500-197099-11), WB-Int-4 (0.5'-1.5') (500-197099-13) and WB-Int-5 (0.5'-1.5') (500-197099-14). The sample has been quantified and reported as PCB-1254. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: WB-Int-16 (0.5'-1.5') (500-197099-8). The sample has been quantified and reported as PCB-1260. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

Method 8082A: The %RPD between the primary and confirmation column exceeded 40% for PCB-1254 for the following samples: WB-Int-2 (0.5'-1.5') (500-197099-11) and WB-Int-5 (0.5'-1.5') (500-197099-14). The <CHOOSE_ONE> lower / higher values has been reported and qualified in accordance with the laboratory's SOP.

Method 8082A: The following samples were reported from the primary column due to PCB-1016 and PCB-1260 recovering outside control limits for the continuing calibration verification (CCVIS) on the secondary column; therefore, the higher of the two results have been reported.
WB-Int-13 (0.5'-1.5') (500-197099-5), WB-Int-14 (0.5'-1.5') (500-197099-6), WB-Int-16 (0.5'-1.5') (500-197099-8), WB-Int-17 (0.5'-1.5') (500-197099-9), WB-Int-1 (0.5'-1.5') (500-197099-10), WB-Int-2 (0.5'-1.5') (500-197099-11), WB-Int-3 (0.5'-1.5') (500-197099-12), WB-Int-4 (0.5'-1.5') (500-197099-13), WB-Int-5 (0.5'-1.5') (500-197099-14) and (CCVIS 500-592199/1)

Job ID: 500-197099-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following matrix spike (MS) was outside control limits: WB-Int-9 (0.5'-1.5') (500-197099-1) and (500-197099-C-1-B MS). The other surrogate was within limits; therefore, re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-9 (0.5'-1.5') — Lab Sample ID: 500-197099-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.025		0.019	0.0074	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-10 (0.5'-1.5') — Lab Sample ID: 500-197099-2

No Detections.

Client Sample ID: WB-Int-11 (0.5'-1.5') — Lab Sample ID: 500-197099-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.031	J	0.032	0.010	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: WB-Int-12 (0.5'-1.5') — Lab Sample ID: 500-197099-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.0059	J	0.019	0.0041	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-13 (0.5'-1.5') — Lab Sample ID: 500-197099-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.19		0.019	0.0076	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-14 (0.5'-1.5') — Lab Sample ID: 500-197099-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.20		0.017	0.0069	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-15 (0.5'-1.5') — Lab Sample ID: 500-197099-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.20	J B	0.31	0.10	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: WB-Int-16 (0.5'-1.5') — Lab Sample ID: 500-197099-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.20	J B	0.31	0.10	mg/Kg	50	☼	8260B	Total/NA
Naphthalene	0.024	J	0.063	0.021	mg/Kg	50	☼	8260B	Total/NA
Xylenes, Total	0.028	J	0.031	0.014	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	0.49		0.19	0.042	mg/Kg	10	☼	8082A	Total/NA

Client Sample ID: WB-Int-17 (0.5'-1.5') — Lab Sample ID: 500-197099-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.20	J B	0.33	0.11	mg/Kg	50	☼	8260B	Total/NA
PCB-1248	0.35		0.095	0.037	mg/Kg	5	☼	8082A	Total/NA

Client Sample ID: WB-Int-1 (0.5'-1.5') — Lab Sample ID: 500-197099-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.20	J B	0.32	0.10	mg/Kg	50	☼	8260B	Total/NA
Toluene	0.028		0.016	0.0093	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	0.17		0.019	0.0041	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-2 (0.5'-1.5') — Lab Sample ID: 500-197099-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.62	B	0.31	0.10	mg/Kg	50	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: WB-Int-2 (0.5'-1.5') (Continued) — Lab Sample ID: 500-197099-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.083		0.018	0.0040	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-3 (0.5'-1.5') — Lab Sample ID: 500-197099-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.65	B	0.33	0.11	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	0.023		0.019	0.0041	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-4 (0.5'-1.5') — Lab Sample ID: 500-197099-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.60	B	0.31	0.10	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	0.051		0.019	0.0040	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-5 (0.5'-1.5') — Lab Sample ID: 500-197099-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.61	B	0.33	0.11	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	0.0084	J	0.019	0.0041	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-Int-6 (0.5'-1.5') — Lab Sample ID: 500-197099-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.58	B	0.31	0.10	mg/Kg	50	☼	8260B	Total/NA
Tetrachloroethene	0.31		0.062	0.023	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: WB-Int-7 (0.5'-1.5') — Lab Sample ID: 500-197099-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.57	B	0.30	0.099	mg/Kg	50	☼	8260B	Total/NA
Tetrachloroethene	3.0		0.061	0.023	mg/Kg	50	☼	8260B	Total/NA
Trichloroethene	0.021	J	0.030	0.010	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: WB-Int-8 (0.5'-1.5') — Lab Sample ID: 500-197099-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.57	B	0.30	0.097	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: TB — Lab Sample ID: 500-197099-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.16	J B	0.25	0.082	mg/Kg	50		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-197099-1	WB-Int-9 (0.5'-1.5')	Solid	04/02/21 14:40	04/06/21 08:40	
500-197099-2	WB-Int-10 (0.5'-1.5')	Solid	04/02/21 11:40	04/06/21 08:40	
500-197099-3	WB-Int-11 (0.5'-1.5')	Solid	04/02/21 12:25	04/06/21 08:40	
500-197099-4	WB-Int-12 (0.5'-1.5')	Solid	04/02/21 12:55	04/06/21 08:40	
500-197099-5	WB-Int-13 (0.5'-1.5')	Solid	04/02/21 13:05	04/06/21 08:40	
500-197099-6	WB-Int-14 (0.5'-1.5')	Solid	04/02/21 13:15	04/06/21 08:40	
500-197099-7	WB-Int-15 (0.5'-1.5')	Solid	04/02/21 13:25	04/06/21 08:40	
500-197099-8	WB-Int-16 (0.5'-1.5')	Solid	04/02/21 13:50	04/06/21 08:40	
500-197099-9	WB-Int-17 (0.5'-1.5')	Solid	04/02/21 14:20	04/06/21 08:40	
500-197099-10	WB-Int-1 (0.5'-1.5')	Solid	04/05/21 14:15	04/06/21 08:40	
500-197099-11	WB-Int-2 (0.5'-1.5')	Solid	04/05/21 14:00	04/06/21 08:40	
500-197099-12	WB-Int-3 (0.5'-1.5')	Solid	04/05/21 13:40	04/06/21 08:40	
500-197099-13	WB-Int-4 (0.5'-1.5')	Solid	04/05/21 13:05	04/06/21 08:40	
500-197099-14	WB-Int-5 (0.5'-1.5')	Solid	04/05/21 12:50	04/06/21 08:40	
500-197099-15	WB-Int-6 (0.5'-1.5')	Solid	04/05/21 11:40	04/06/21 08:40	
500-197099-16	WB-Int-7 (0.5'-1.5')	Solid	04/05/21 11:00	04/06/21 08:40	
500-197099-17	WB-Int-8 (0.5'-1.5')	Solid	04/05/21 11:20	04/06/21 08:40	
500-197099-18	TB	Solid	04/05/21 00:00	04/06/21 08:40	

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-9 (0.5'-1.5')
Lab Sample ID: 500-197099-1
Date Collected: 04/02/21 14:40
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.063	0.029	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,1,1-Trichloroethane	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,1,2,2-Tetrachloroethane	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,1,2-Trichloroethane	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,1-Dichloroethane	<0.026		0.063	0.026	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,1-Dichloroethene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,1-Dichloropropene	<0.019		0.063	0.019	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2,3-Trichlorobenzene	<0.029		0.063	0.029	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2,4-Trichlorobenzene	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2,4-Trimethylbenzene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2-Dibromoethane	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2-Dichlorobenzene	<0.021		0.063	0.021	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2-Dichloroethane	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,2-Dichloropropane	<0.027		0.063	0.027	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,3,5-Trimethylbenzene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,3-Dichlorobenzene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,3-Dichloropropane	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
1,4-Dichlorobenzene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
2,2-Dichloropropane	<0.028		0.063	0.028	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
2-Chlorotoluene	<0.020		0.063	0.020	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
4-Chlorotoluene	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Benzene	<0.0092		0.016	0.0092	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Bromobenzene	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Bromochloromethane	<0.027		0.063	0.027	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Bromodichloromethane	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Bromoform	<0.031		0.063	0.031	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Carbon tetrachloride	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Chlorobenzene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Chloroethane	<0.032		0.063	0.032	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Chloroform	<0.023		0.13	0.023	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Chloromethane	<0.020		0.063	0.020	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
cis-1,2-Dichloroethene	<0.026		0.063	0.026	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
cis-1,3-Dichloropropene	<0.026		0.063	0.026	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Dibromochloromethane	<0.031		0.063	0.031	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Dibromomethane	<0.017		0.063	0.017	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Hexachlorobutadiene	<0.028		0.063	0.028	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Isopropyl ether	<0.017		0.063	0.017	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Isopropylbenzene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Methyl tert-butyl ether	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Naphthalene	<0.021		0.063	0.021	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
n-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
N-Propylbenzene	<0.026		0.063	0.026	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
p-Isopropyltoluene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50

Client Sample ID: WB-Int-9 (0.5'-1.5')
Lab Sample ID: 500-197099-1

Date Collected: 04/02/21 14:40
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Styrene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
tert-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Tetrachloroethene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Toluene	<0.0093		0.016	0.0093	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
trans-1,2-Dichloroethene	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
trans-1,3-Dichloropropene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Trichlorofluoromethane	<0.027		0.063	0.027	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Vinyl chloride	<0.017		0.063	0.017	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	04/02/21 14:40	04/09/21 16:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*	*04/02/21 14:40*	*04/09/21 16:37*	*50*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*	*04/02/21 14:40*	*04/09/21 16:37*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*04/02/21 14:40*	*04/09/21 16:37*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/02/21 14:40*	*04/09/21 16:37*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.019	0.0066	mg/Kg	☼	04/07/21 07:51	04/08/21 09:18	1
PCB-1221	<0.0083		0.019	0.0083	mg/Kg	☼	04/07/21 07:51	04/08/21 09:18	1
PCB-1232	<0.0082		0.019	0.0082	mg/Kg	☼	04/07/21 07:51	04/08/21 09:18	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	☼	04/07/21 07:51	04/08/21 09:18	1
PCB-1248	**0.025**		0.019	0.0074	mg/Kg	☼	04/07/21 07:51	04/08/21 09:18	1
PCB-1254	<0.0040		0.019	0.0040	mg/Kg	☼	04/07/21 07:51	04/08/21 09:18	1
PCB-1260	<0.0092		0.019	0.0092	mg/Kg	☼	04/07/21 07:51	04/08/21 09:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*49 - 129*	*04/07/21 07:51*	*04/08/21 09:18*	*1*
DCB Decachlorobiphenyl	*94*		*37 - 121*	*04/07/21 07:51*	*04/08/21 09:18*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-10 (0.5'-1.5')
Lab Sample ID: 500-197099-2
Date Collected: 04/02/21 11:40
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.061	0.028	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,1,1-Trichloroethane	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,1,2,2-Tetrachloroethane	<0.024		0.061	0.024	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,1,2-Trichloroethane	<0.021		0.061	0.021	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,1-Dichloroethane	<0.025		0.061	0.025	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,1-Dichloroethene	<0.024		0.061	0.024	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,1-Dichloropropene	<0.018		0.061	0.018	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2,3-Trichlorobenzene	<0.028		0.061	0.028	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2,4-Trichlorobenzene	<0.021		0.061	0.021	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2,4-Trimethylbenzene	<0.022		0.061	0.022	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2-Dibromoethane	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2-Dichlorobenzene	<0.020		0.061	0.020	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2-Dichloroethane	<0.024		0.061	0.024	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,2-Dichloropropane	<0.026		0.061	0.026	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,3,5-Trimethylbenzene	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,3-Dichlorobenzene	<0.024		0.061	0.024	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,3-Dichloropropane	<0.022		0.061	0.022	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
1,4-Dichlorobenzene	<0.022		0.061	0.022	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
2,2-Dichloropropane	<0.027		0.061	0.027	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
2-Chlorotoluene	<0.019		0.061	0.019	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
4-Chlorotoluene	<0.021		0.061	0.021	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Benzene	<0.0089		0.015	0.0089	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Bromobenzene	<0.022		0.061	0.022	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Bromochloromethane	<0.026		0.061	0.026	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Bromodichloromethane	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Bromoform	<0.029		0.061	0.029	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Bromomethane	<0.048		0.18	0.048	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Carbon tetrachloride	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Chlorobenzene	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Chloroethane	<0.031		0.061	0.031	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Chloromethane	<0.019		0.061	0.019	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
cis-1,2-Dichloroethene	<0.025		0.061	0.025	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
cis-1,3-Dichloropropene	<0.025		0.061	0.025	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Dibromochloromethane	<0.030		0.061	0.030	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Dibromomethane	<0.016		0.061	0.016	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Hexachlorobutadiene	<0.027		0.061	0.027	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Isopropyl ether	<0.017		0.061	0.017	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Isopropylbenzene	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Methyl tert-butyl ether	<0.024		0.061	0.024	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Methylene Chloride	<0.099		0.30	0.099	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Naphthalene	<0.020		0.061	0.020	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
n-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
N-Propylbenzene	<0.025		0.061	0.025	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
p-Isopropyltoluene	<0.022		0.061	0.022	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50

Client Sample ID: WB-Int-10 (0.5'-1.5')
Lab Sample ID: 500-197099-2

Date Collected: 04/02/21 11:40
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 87.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Styrene	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
tert-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Tetrachloroethene	<0.023		0.061	0.023	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Toluene	<0.0089		0.015	0.0089	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
trans-1,2-Dichloroethene	<0.021		0.061	0.021	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
trans-1,3-Dichloropropene	<0.022		0.061	0.022	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Trichloroethene	<0.010		0.030	0.010	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Trichlorofluoromethane	<0.026		0.061	0.026	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Vinyl chloride	<0.016		0.061	0.016	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	☼	04/02/21 11:40	04/09/21 17:05	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*04/02/21 11:40*	*04/09/21 17:05*	*50*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*	*04/02/21 11:40*	*04/09/21 17:05*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*04/02/21 11:40*	*04/09/21 17:05*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/02/21 11:40*	*04/09/21 17:05*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	☼	04/07/21 07:51	04/08/21 10:04	1
PCB-1221	<0.0083		0.019	0.0083	mg/Kg	☼	04/07/21 07:51	04/08/21 10:04	1
PCB-1232	<0.0082		0.019	0.0082	mg/Kg	☼	04/07/21 07:51	04/08/21 10:04	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	☼	04/07/21 07:51	04/08/21 10:04	1
PCB-1248	<0.0074		0.019	0.0074	mg/Kg	☼	04/07/21 07:51	04/08/21 10:04	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	☼	04/07/21 07:51	04/08/21 10:04	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	☼	04/07/21 07:51	04/08/21 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*49 - 129*	*04/07/21 07:51*	*04/08/21 10:04*	*1*
DCB Decachlorobiphenyl	*99*		*37 - 121*	*04/07/21 07:51*	*04/08/21 10:04*	*1*

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

Client Sample ID: WB-Int-11 (0.5'-1.5')
Date Collected: 04/02/21 12:25
Date Received: 04/06/21 08:40

Lab Sample ID: 500-197099-3
Matrix: Solid
Percent Solids: 87.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.064	0.030	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,1,2-Trichloroethane	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,3-Dichlorobenzene	<0.026		0.064	0.026	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Bromoform	<0.031		0.064	0.031	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Carbon tetrachloride	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Dibromochloromethane	<0.031		0.064	0.031	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Hexachlorobutadiene	<0.029		0.064	0.029	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Isopropylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50

Client Sample ID: WB-Int-11 (0.5'-1.5')
Lab Sample ID: 500-197099-3

Date Collected: 04/02/21 12:25
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Styrene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Toluene	<0.0094		0.016	0.0094	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Trichloroethene	**0.031**	**J**	0.032	0.010	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	04/02/21 12:25	04/09/21 17:33	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*04/02/21 12:25*	*04/09/21 17:33*	*50*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*	*04/02/21 12:25*	*04/09/21 17:33*	*50*
Dibromofluoromethane (Surr)	*90*		*75 - 120*	*04/02/21 12:25*	*04/09/21 17:33*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/02/21 12:25*	*04/09/21 17:33*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0068		0.019	0.0068	mg/Kg	☼	04/07/21 07:51	04/08/21 10:20	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	☼	04/07/21 07:51	04/08/21 10:20	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	☼	04/07/21 07:51	04/08/21 10:20	1
PCB-1242	<0.0063		0.019	0.0063	mg/Kg	☼	04/07/21 07:51	04/08/21 10:20	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	☼	04/07/21 07:51	04/08/21 10:20	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	☼	04/07/21 07:51	04/08/21 10:20	1
PCB-1260	<0.0094		0.019	0.0094	mg/Kg	☼	04/07/21 07:51	04/08/21 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*59*		*49 - 129*	*04/07/21 07:51*	*04/08/21 10:20*	*1*
DCB Decachlorobiphenyl	*103*		*37 - 121*	*04/07/21 07:51*	*04/08/21 10:20*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-12 (0.5'-1.5')
Lab Sample ID: 500-197099-4
Date Collected: 04/02/21 12:55
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.064	0.030	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,1,2-Trichloroethane	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,3-Dichlorobenzene	<0.026		0.064	0.026	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Bromoform	<0.031		0.064	0.031	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Carbon tetrachloride	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Dibromochloromethane	<0.031		0.064	0.031	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Hexachlorobutadiene	<0.029		0.064	0.029	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Isopropylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50

Client Sample ID: WB-Int-12 (0.5'-1.5')
Lab Sample ID: 500-197099-4

Date Collected: 04/02/21 12:55
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Styrene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Toluene	<0.0094		0.016	0.0094	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	04/02/21 12:55	04/09/21 18:00	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*	*04/02/21 12:55*	*04/09/21 18:00*	*50*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*	*04/02/21 12:55*	*04/09/21 18:00*	*50*
Dibromofluoromethane (Surr)	*92*		*75 - 120*	*04/02/21 12:55*	*04/09/21 18:00*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/02/21 12:55*	*04/09/21 18:00*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	☼	04/07/21 07:51	04/08/21 10:35	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	☼	04/07/21 07:51	04/08/21 10:35	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	☼	04/07/21 07:51	04/08/21 10:35	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	☼	04/07/21 07:51	04/08/21 10:35	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	☼	04/07/21 07:51	04/08/21 10:35	1
PCB-1254	**0.0059**	**J**	0.019	0.0041	mg/Kg	☼	04/07/21 07:51	04/08/21 10:35	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	☼	04/07/21 07:51	04/08/21 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*49 - 129*	*04/07/21 07:51*	*04/08/21 10:35*	*1*
DCB Decachlorobiphenyl	*105*		*37 - 121*	*04/07/21 07:51*	*04/08/21 10:35*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-13 (0.5'-1.5')
Lab Sample ID: 500-197099-5
Date Collected: 04/02/21 13:05
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.065	0.030	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,1,2-Trichloroethane	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,1-Dichloroethane	<0.026		0.065	0.026	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2-Dibromoethane	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2-Dichlorobenzene	<0.022		0.065	0.022	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2-Dichloroethane	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,2-Dichloropropane	<0.028		0.065	0.028	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,3-Dichlorobenzene	<0.026		0.065	0.026	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,3-Dichloropropane	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
1,4-Dichlorobenzene	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Benzene	<0.0094		0.016	0.0094	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Bromobenzene	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Bromochloromethane	<0.028		0.065	0.028	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Bromodichloromethane	<0.024		0.065	0.024	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Bromoform	<0.031		0.065	0.031	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Chlorobenzene	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Chloroethane	<0.033		0.065	0.033	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
cis-1,2-Dichloroethene	<0.026		0.065	0.026	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Dibromochloromethane	<0.032		0.065	0.032	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Dibromomethane	<0.017		0.065	0.017	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Dichlorodifluoromethane	<0.044		0.19	0.044	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Methyl tert-butyl ether	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Methylene Chloride	<0.11		0.32	0.11	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Naphthalene	<0.022		0.065	0.022	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
n-Butylbenzene	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
p-Isopropyltoluene	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50

Client Sample ID: WB-Int-13 (0.5'-1.5')
Lab Sample ID: 500-197099-5

Date Collected: 04/02/21 13:05
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Styrene	<0.025		0.065	0.025	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Tetrachloroethene	<0.024		0.065	0.024	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Toluene	<0.0095		0.016	0.0095	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
trans-1,3-Dichloropropene	<0.023		0.065	0.023	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Trichloroethene	<0.011		0.032	0.011	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	04/02/21 13:05	04/09/21 18:28	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*	*04/02/21 13:05*	*04/09/21 18:28*	*50*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*	*04/02/21 13:05*	*04/09/21 18:28*	*50*
Dibromofluoromethane (Surr)	*92*		*75 - 120*	*04/02/21 13:05*	*04/09/21 18:28*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/02/21 13:05*	*04/09/21 18:28*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0068		0.019	0.0068	mg/Kg	☼	04/07/21 07:51	04/08/21 10:51	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	☼	04/07/21 07:51	04/08/21 10:51	1
PCB-1232	<0.0084		0.019	0.0084	mg/Kg	☼	04/07/21 07:51	04/08/21 10:51	1
PCB-1242	<0.0063		0.019	0.0063	mg/Kg	☼	04/07/21 07:51	04/08/21 10:51	1
PCB-1248	**0.19**		0.019	0.0076	mg/Kg	☼	04/07/21 07:51	04/08/21 10:51	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	☼	04/07/21 07:51	04/08/21 10:51	1
PCB-1260	<0.0094		0.019	0.0094	mg/Kg	☼	04/07/21 07:51	04/08/21 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*49 - 129*	*04/07/21 07:51*	*04/08/21 10:51*	*1*
DCB Decachlorobiphenyl	*95*		*37 - 121*	*04/07/21 07:51*	*04/08/21 10:51*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-14 (0.5'-1.5')
Lab Sample ID: 500-197099-6
Date Collected: 04/02/21 13:15
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 94.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.025		0.055	0.025	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,1,1-Trichloroethane	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,1,2,2-Tetrachloroethane	<0.022		0.055	0.022	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,1,2-Trichloroethane	<0.019		0.055	0.019	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,1-Dichloroethane	<0.022		0.055	0.022	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,1-Dichloroethene	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,1-Dichloropropene	<0.016		0.055	0.016	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2,3-Trichlorobenzene	<0.025		0.055	0.025	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2,3-Trichloropropane	<0.023		0.11	0.023	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2,4-Trichlorobenzene	<0.019		0.055	0.019	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2,4-Trimethylbenzene	<0.020		0.055	0.020	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2-Dibromo-3-Chloropropane	<0.11		0.27	0.11	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2-Dibromoethane	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2-Dichlorobenzene	<0.018		0.055	0.018	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2-Dichloroethane	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,2-Dichloropropane	<0.023		0.055	0.023	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,3,5-Trimethylbenzene	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,3-Dichlorobenzene	<0.022		0.055	0.022	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,3-Dichloropropane	<0.020		0.055	0.020	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
1,4-Dichlorobenzene	<0.020		0.055	0.020	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
2,2-Dichloropropane	<0.024		0.055	0.024	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
2-Chlorotoluene	<0.017		0.055	0.017	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
4-Chlorotoluene	<0.019		0.055	0.019	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Benzene	<0.0080		0.014	0.0080	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Bromobenzene	<0.019		0.055	0.019	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Bromochloromethane	<0.023		0.055	0.023	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Bromodichloromethane	<0.020		0.055	0.020	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Bromoform	<0.026		0.055	0.026	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Bromomethane	<0.043		0.16	0.043	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Carbon tetrachloride	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Chlorobenzene	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Chloroethane	<0.027		0.055	0.027	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Chloroform	<0.020		0.11	0.020	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Chloromethane	<0.017		0.055	0.017	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
cis-1,2-Dichloroethene	<0.022		0.055	0.022	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
cis-1,3-Dichloropropene	<0.023		0.055	0.023	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Dibromochloromethane	<0.027		0.055	0.027	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Dibromomethane	<0.015		0.055	0.015	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Dichlorodifluoromethane	<0.037		0.16	0.037	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Ethylbenzene	<0.010		0.014	0.010	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Hexachlorobutadiene	<0.024		0.055	0.024	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Isopropyl ether	<0.015		0.055	0.015	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Isopropylbenzene	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Methyl tert-butyl ether	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Methylene Chloride	<0.089		0.27	0.089	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Naphthalene	<0.018		0.055	0.018	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
n-Butylbenzene	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
N-Propylbenzene	<0.023		0.055	0.023	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
p-Isopropyltoluene	<0.020		0.055	0.020	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50

Client Sample ID: WB-Int-14 (0.5'-1.5')
Lab Sample ID: 500-197099-6
Date Collected: 04/02/21 13:15
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 94.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.022		0.055	0.022	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Styrene	<0.021		0.055	0.021	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
tert-Butylbenzene	<0.022		0.055	0.022	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Tetrachloroethene	<0.020		0.055	0.020	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Toluene	<0.0080		0.014	0.0080	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
trans-1,2-Dichloroethene	<0.019		0.055	0.019	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
trans-1,3-Dichloropropene	<0.020		0.055	0.020	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Trichloroethene	<0.0089		0.027	0.0089	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Trichlorofluoromethane	<0.023		0.055	0.023	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Vinyl chloride	<0.014		0.055	0.014	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50
Xylenes, Total	<0.012		0.027	0.012	mg/Kg	☼	04/02/21 13:15	04/09/21 18:56	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*	*04/02/21 13:15*	*04/09/21 18:56*	*50*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*	*04/02/21 13:15*	*04/09/21 18:56*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*04/02/21 13:15*	*04/09/21 18:56*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/02/21 13:15*	*04/09/21 18:56*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0062		0.017	0.0062	mg/Kg	☼	04/07/21 07:51	04/08/21 11:06	1
PCB-1221	<0.0077		0.017	0.0077	mg/Kg	☼	04/07/21 07:51	04/08/21 11:06	1
PCB-1232	<0.0076		0.017	0.0076	mg/Kg	☼	04/07/21 07:51	04/08/21 11:06	1
PCB-1242	<0.0057		0.017	0.0057	mg/Kg	☼	04/07/21 07:51	04/08/21 11:06	1
PCB-1248	**0.20**		0.017	0.0069	mg/Kg	☼	04/07/21 07:51	04/08/21 11:06	1
PCB-1254	<0.0038		0.017	0.0038	mg/Kg	☼	04/07/21 07:51	04/08/21 11:06	1
PCB-1260	<0.0086		0.017	0.0086	mg/Kg	☼	04/07/21 07:51	04/08/21 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*49 - 129*	*04/07/21 07:51*	*04/08/21 11:06*	*1*
DCB Decachlorobiphenyl	*92*		*37 - 121*	*04/07/21 07:51*	*04/08/21 11:06*	*1*

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

Client Sample ID: WB-Int-15 (0.5'-1.5')
Date Collected: 04/02/21 13:25
Date Received: 04/06/21 08:40

Lab Sample ID: 500-197099-7
Matrix: Solid
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,1,1-Trichloroethane	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,1-Dichloroethane	<0.025		0.062	0.025	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,1-Dichloropropene	<0.019		0.062	0.019	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2,3-Trichlorobenzene	<0.028		0.062	0.028	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,3,5-Trimethylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,3-Dichloropropane	<0.022		0.062	0.022	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
1,4-Dichlorobenzene	<0.023		0.062	0.023	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
2,2-Dichloropropane	<0.028		0.062	0.028	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
2-Chlorotoluene	<0.020		0.062	0.020	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Benzene	<0.0091		0.016	0.0091	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Bromochloromethane	<0.027		0.062	0.027	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Bromoform	<0.030		0.062	0.030	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Bromomethane	<0.049		0.19	0.049	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Methyl tert-butyl ether	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Methylene Chloride	**0.20**	**J B**	0.31	0.10	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
p-Isopropyltoluene	<0.022		0.062	0.022	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50

Client Sample ID: WB-Int-15 (0.5'-1.5')
Lab Sample ID: 500-197099-7

Date Collected: 04/02/21 13:25
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Styrene	<0.024		0.062	0.024	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Toluene	<0.0091		0.016	0.0091	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
trans-1,3-Dichloropropene	<0.022		0.062	0.022	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Trichlorofluoromethane	<0.027		0.062	0.027	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	04/02/21 13:25	04/12/21 11:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*	*04/02/21 13:25*	*04/12/21 11:24*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*04/02/21 13:25*	*04/12/21 11:24*	*50*
Dibromofluoromethane (Surr)	*103*		*75 - 120*	*04/02/21 13:25*	*04/12/21 11:24*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/02/21 13:25*	*04/12/21 11:24*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.019	0.0066	mg/Kg	☼	04/07/21 07:51	04/08/21 11:22	1
PCB-1221	<0.0083		0.019	0.0083	mg/Kg	☼	04/07/21 07:51	04/08/21 11:22	1
PCB-1232	<0.0082		0.019	0.0082	mg/Kg	☼	04/07/21 07:51	04/08/21 11:22	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	☼	04/07/21 07:51	04/08/21 11:22	1
PCB-1248	<0.0074		0.019	0.0074	mg/Kg	☼	04/07/21 07:51	04/08/21 11:22	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	☼	04/07/21 07:51	04/08/21 11:22	1
PCB-1260	<0.0092		0.019	0.0092	mg/Kg	☼	04/07/21 07:51	04/08/21 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*49 - 129*	*04/07/21 07:51*	*04/08/21 11:22*	*1*
DCB Decachlorobiphenyl	*95*		*37 - 121*	*04/07/21 07:51*	*04/08/21 11:22*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-16 (0.5'-1.5')
Lab Sample ID: 500-197099-8
Date Collected: 04/02/21 13:50
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 85.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.063	0.029	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,1,1-Trichloroethane	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,1,2,2-Tetrachloroethane	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,1,2-Trichloroethane	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,1-Dichloroethane	<0.026		0.063	0.026	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,1-Dichloroethene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,1-Dichloropropene	<0.019		0.063	0.019	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2,3-Trichlorobenzene	<0.029		0.063	0.029	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2,4-Trichlorobenzene	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2,4-Trimethylbenzene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2-Dibromo-3-Chloropropane	<0.13		0.31	0.13	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2-Dibromoethane	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2-Dichlorobenzene	<0.021		0.063	0.021	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2-Dichloroethane	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,2-Dichloropropane	<0.027		0.063	0.027	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,3,5-Trimethylbenzene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,3-Dichlorobenzene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,3-Dichloropropane	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
1,4-Dichlorobenzene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
2,2-Dichloropropane	<0.028		0.063	0.028	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
2-Chlorotoluene	<0.020		0.063	0.020	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
4-Chlorotoluene	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Benzene	<0.0092		0.016	0.0092	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Bromobenzene	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Bromochloromethane	<0.027		0.063	0.027	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Bromodichloromethane	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Bromoform	<0.030		0.063	0.030	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Carbon tetrachloride	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Chlorobenzene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Chloroethane	<0.032		0.063	0.032	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Chloroform	<0.023		0.13	0.023	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Chloromethane	<0.020		0.063	0.020	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
cis-1,2-Dichloroethene	<0.026		0.063	0.026	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
cis-1,3-Dichloropropene	<0.026		0.063	0.026	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Dibromochloromethane	<0.031		0.063	0.031	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Dibromomethane	<0.017		0.063	0.017	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Hexachlorobutadiene	<0.028		0.063	0.028	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Isopropyl ether	<0.017		0.063	0.017	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Isopropylbenzene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Methyl tert-butyl ether	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Methylene Chloride	**0.20**	**J B**	0.31	0.10	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Naphthalene	**0.024**	**J**	0.063	0.021	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
n-Butylbenzene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
N-Propylbenzene	<0.026		0.063	0.026	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
p-Isopropyltoluene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50

Client Sample ID: WB-Int-16 (0.5'-1.5')
Lab Sample ID: 500-197099-8

Date Collected: 04/02/21 13:50
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 85.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Styrene	<0.024		0.063	0.024	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
tert-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Tetrachloroethene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Toluene	<0.0092		0.016	0.0092	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
trans-1,2-Dichloroethene	<0.022		0.063	0.022	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
trans-1,3-Dichloropropene	<0.023		0.063	0.023	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Trichlorofluoromethane	<0.027		0.063	0.027	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Vinyl chloride	<0.016		0.063	0.016	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50
Xylenes, Total	**0.028**	**J**	0.031	0.014	mg/Kg	☼	04/02/21 13:50	04/12/21 11:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*	*04/02/21 13:50*	*04/12/21 11:51*	*50*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*	*04/02/21 13:50*	*04/12/21 11:51*	*50*
Dibromofluoromethane (Surr)	*99*		*75 - 120*	*04/02/21 13:50*	*04/12/21 11:51*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*04/02/21 13:50*	*04/12/21 11:51*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.069		0.19	0.069	mg/Kg	☼	04/07/21 07:51	04/08/21 11:37	10
PCB-1221	<0.085		0.19	0.085	mg/Kg	☼	04/07/21 07:51	04/08/21 11:37	10
PCB-1232	<0.085		0.19	0.085	mg/Kg	☼	04/07/21 07:51	04/08/21 11:37	10
PCB-1242	<0.064		0.19	0.064	mg/Kg	☼	04/07/21 07:51	04/08/21 11:37	10
PCB-1248	<0.076		0.19	0.076	mg/Kg	☼	04/07/21 07:51	04/08/21 11:37	10
PCB-1254	**0.49**		0.19	0.042	mg/Kg	☼	04/07/21 07:51	04/08/21 11:37	10
PCB-1260	<0.095		0.19	0.095	mg/Kg	☼	04/07/21 07:51	04/08/21 11:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*49 - 129*	*04/07/21 07:51*	*04/08/21 11:37*	*10*
DCB Decachlorobiphenyl	*99*		*37 - 121*	*04/07/21 07:51*	*04/08/21 11:37*	*10*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-17 (0.5'-1.5')
Lab Sample ID: 500-197099-9
Date Collected: 04/02/21 14:20
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 85.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.066	0.030	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2,4-Trichlorobenzene	<0.023		0.066	0.023	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2,4-Trimethylbenzene	<0.024		0.066	0.024	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2-Dibromoethane	<0.025		0.066	0.025	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,3-Dichlorobenzene	<0.026		0.066	0.026	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Benzene	<0.0096		0.016	0.0096	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Bromobenzene	<0.023		0.066	0.023	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Bromodichloromethane	<0.025		0.066	0.025	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Bromoform	<0.032		0.066	0.032	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Bromomethane	<0.053		0.20	0.053	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Chlorobenzene	<0.025		0.066	0.025	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
cis-1,3-Dichloropropene	<0.027		0.066	0.027	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Hexachlorobutadiene	<0.029		0.066	0.029	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Methylene Chloride	**0.20**	**J B**	0.33	0.11	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
n-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50

Client Sample ID: WB-Int-17 (0.5'-1.5')
Lab Sample ID: 500-197099-9

Date Collected: 04/02/21 14:20
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 85.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Styrene	<0.025		0.066	0.025	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Tetrachloroethene	<0.024		0.066	0.024	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Toluene	<0.0097		0.016	0.0097	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Trichloroethene	<0.011		0.033	0.011	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50
Xylenes, Total	<0.015		0.033	0.015	mg/Kg	☼	04/02/21 14:20	04/12/21 12:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*	*04/02/21 14:20*	*04/12/21 12:17*	*50*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*04/02/21 14:20*	*04/12/21 12:17*	*50*
Dibromofluoromethane (Surr)	*100*		*75 - 120*	*04/02/21 14:20*	*04/12/21 12:17*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*04/02/21 14:20*	*04/12/21 12:17*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.034		0.095	0.034	mg/Kg	☼	04/07/21 07:51	04/08/21 11:53	5
PCB-1221	<0.042		0.095	0.042	mg/Kg	☼	04/07/21 07:51	04/08/21 11:53	5
PCB-1232	<0.041		0.095	0.041	mg/Kg	☼	04/07/21 07:51	04/08/21 11:53	5
PCB-1242	<0.031		0.095	0.031	mg/Kg	☼	04/07/21 07:51	04/08/21 11:53	5
PCB-1248	**0.35**		0.095	0.037	mg/Kg	☼	04/07/21 07:51	04/08/21 11:53	5
PCB-1254	<0.020		0.095	0.020	mg/Kg	☼	04/07/21 07:51	04/08/21 11:53	5
PCB-1260	<0.047		0.095	0.047	mg/Kg	☼	04/07/21 07:51	04/08/21 11:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*49 - 129*	*04/07/21 07:51*	*04/08/21 11:53*	*5*
DCB Decachlorobiphenyl	*99*		*37 - 121*	*04/07/21 07:51*	*04/08/21 11:53*	*5*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-1 (0.5'-1.5')
Lab Sample ID: 500-197099-10
Date Collected: 04/05/21 14:15
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.064	0.029	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,1,2-Trichloroethane	<0.022		0.064	0.022	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,3-Dichlorobenzene	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Bromoform	<0.031		0.064	0.031	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Carbon tetrachloride	<0.024		0.064	0.024	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
cis-1,3-Dichloropropene	<0.026		0.064	0.026	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Dibromochloromethane	<0.031		0.064	0.031	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Hexachlorobutadiene	<0.028		0.064	0.028	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Isopropylbenzene	<0.024		0.064	0.024	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Methylene Chloride	**0.20**	**J B**	0.32	0.10	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50

Client Sample ID: WB-Int-1 (0.5'-1.5')
Lab Sample ID: 500-197099-10

Date Collected: 04/05/21 14:15
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 87.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Styrene	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Toluene	**0.028**		0.016	0.0093	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	04/05/21 14:15	04/12/21 12:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*	*04/05/21 14:15*	*04/12/21 12:44*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*04/05/21 14:15*	*04/12/21 12:44*	*50*
Dibromofluoromethane (Surr)	*102*		*75 - 120*	*04/05/21 14:15*	*04/12/21 12:44*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*04/05/21 14:15*	*04/12/21 12:44*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	☼	04/07/21 07:51	04/08/21 12:08	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	☼	04/07/21 07:51	04/08/21 12:08	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	☼	04/07/21 07:51	04/08/21 12:08	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	☼	04/07/21 07:51	04/08/21 12:08	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	☼	04/07/21 07:51	04/08/21 12:08	1
PCB-1254	**0.17**		0.019	0.0041	mg/Kg	☼	04/07/21 07:51	04/08/21 12:08	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	☼	04/07/21 07:51	04/08/21 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*49 - 129*	*04/07/21 07:51*	*04/08/21 12:08*	*1*
DCB Decachlorobiphenyl	*94*		*37 - 121*	*04/07/21 07:51*	*04/08/21 12:08*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-2 (0.5'-1.5')
Lab Sample ID: 500-197099-11
Date Collected: 04/05/21 14:00
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,1,1-Trichloroethane	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,1-Dichloroethane	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,1-Dichloropropene	<0.019		0.062	0.019	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2,3-Trichlorobenzene	<0.029		0.062	0.029	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,3,5-Trimethylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,3-Dichloropropane	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
1,4-Dichlorobenzene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
2,2-Dichloropropane	<0.028		0.062	0.028	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
2-Chlorotoluene	<0.020		0.062	0.020	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Benzene	<0.0091		0.016	0.0091	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Bromochloromethane	<0.027		0.062	0.027	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Bromoform	<0.030		0.062	0.030	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Methyl tert-butyl ether	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Methylene Chloride	**0.62**	**B**	0.31	0.10	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
p-Isopropyltoluene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-2 (0.5'-1.5')
Lab Sample ID: 500-197099-11
Date Collected: 04/05/21 14:00
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Styrene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Toluene	<0.0092		0.016	0.0092	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
trans-1,3-Dichloropropene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Trichlorofluoromethane	<0.027		0.062	0.027	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	04/05/21 14:00	04/12/21 13:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*	*04/05/21 14:00*	*04/12/21 13:11*	*50*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*04/05/21 14:00*	*04/12/21 13:11*	*50*
Dibromofluoromethane (Surr)	*104*		*75 - 120*	*04/05/21 14:00*	*04/12/21 13:11*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/05/21 14:00*	*04/12/21 13:11*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0065		0.018	0.0065	mg/Kg	☼	04/07/21 07:51	04/08/21 12:24	1
PCB-1221	<0.0081		0.018	0.0081	mg/Kg	☼	04/07/21 07:51	04/08/21 12:24	1
PCB-1232	<0.0080		0.018	0.0080	mg/Kg	☼	04/07/21 07:51	04/08/21 12:24	1
PCB-1242	<0.0061		0.018	0.0061	mg/Kg	☼	04/07/21 07:51	04/08/21 12:24	1
PCB-1248	<0.0073		0.018	0.0073	mg/Kg	☼	04/07/21 07:51	04/08/21 12:24	1
PCB-1254	**0.083**		0.018	0.0040	mg/Kg	☼	04/07/21 07:51	04/08/21 12:24	1
PCB-1260	<0.0091		0.018	0.0091	mg/Kg	☼	04/07/21 07:51	04/08/21 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*49 - 129*	*04/07/21 07:51*	*04/08/21 12:24*	*1*
DCB Decachlorobiphenyl	*96*		*37 - 121*	*04/07/21 07:51*	*04/08/21 12:24*	*1*

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

Client Sample ID: WB-Int-3 (0.5'-1.5')
Date Collected: 04/05/21 13:40
Date Received: 04/06/21 08:40

Lab Sample ID: 500-197099-12
Matrix: Solid
Percent Solids: 86.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.066	0.030	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2,4-Trichlorobenzene	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2,4-Trimethylbenzene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2-Dibromoethane	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,3-Dichlorobenzene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Benzene	<0.0096		0.017	0.0096	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Bromobenzene	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Bromodichloromethane	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Bromoform	<0.032		0.066	0.032	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Bromomethane	<0.053		0.20	0.053	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Chlorobenzene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
cis-1,3-Dichloropropene	<0.027		0.066	0.027	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Ethylbenzene	<0.012		0.017	0.012	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Hexachlorobutadiene	<0.029		0.066	0.029	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Methylene Chloride	**0.65**	**B**	0.33	0.11	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
n-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-3 (0.5'-1.5')
Lab Sample ID: 500-197099-12
Date Collected: 04/05/21 13:40
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 86.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Styrene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Tetrachloroethene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Toluene	<0.0097		0.017	0.0097	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Trichloroethene	<0.011		0.033	0.011	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50
Xylenes, Total	<0.015		0.033	0.015	mg/Kg	☼	04/05/21 13:40	04/12/21 13:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*	*04/05/21 13:40*	*04/12/21 13:37*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*04/05/21 13:40*	*04/12/21 13:37*	*50*
Dibromofluoromethane (Surr)	*105*		*75 - 120*	*04/05/21 13:40*	*04/12/21 13:37*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/05/21 13:40*	*04/12/21 13:37*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0068		0.019	0.0068	mg/Kg	☼	04/07/21 07:51	04/08/21 12:39	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	☼	04/07/21 07:51	04/08/21 12:39	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	☼	04/07/21 07:51	04/08/21 12:39	1
PCB-1242	<0.0063		0.019	0.0063	mg/Kg	☼	04/07/21 07:51	04/08/21 12:39	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	☼	04/07/21 07:51	04/08/21 12:39	1
PCB-1254	**0.023**		0.019	0.0041	mg/Kg	☼	04/07/21 07:51	04/08/21 12:39	1
PCB-1260	<0.0094		0.019	0.0094	mg/Kg	☼	04/07/21 07:51	04/08/21 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*49 - 129*	*04/07/21 07:51*	*04/08/21 12:39*	*1*
DCB Decachlorobiphenyl	*98*		*37 - 121*	*04/07/21 07:51*	*04/08/21 12:39*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-4 (0.5'-1.5')
Lab Sample ID: 500-197099-13
Date Collected: 04/05/21 13:05
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 89.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,1,1-Trichloroethane	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,1-Dichloroethane	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,1-Dichloropropene	<0.019		0.062	0.019	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2,3-Trichlorobenzene	<0.029		0.062	0.029	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,3,5-Trimethylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,3-Dichloropropane	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
1,4-Dichlorobenzene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
2,2-Dichloropropane	<0.028		0.062	0.028	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
2-Chlorotoluene	<0.020		0.062	0.020	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Benzene	<0.0091		0.016	0.0091	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Bromochloromethane	<0.027		0.062	0.027	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Bromoform	<0.030		0.062	0.030	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Methyl tert-butyl ether	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Methylene Chloride	**0.60**	**B**	0.31	0.10	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
p-Isopropyltoluene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50

Client Sample ID: WB-Int-4 (0.5'-1.5')
Lab Sample ID: 500-197099-13

Date Collected: 04/05/21 13:05
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 89.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Styrene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Toluene	<0.0092		0.016	0.0092	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
trans-1,3-Dichloropropene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Trichlorofluoromethane	<0.027		0.062	0.027	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	04/05/21 13:05	04/12/21 14:04	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*	*04/05/21 13:05*	*04/12/21 14:04*	*50*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*	*04/05/21 13:05*	*04/12/21 14:04*	*50*
Dibromofluoromethane (Surr)	*104*		*75 - 120*	*04/05/21 13:05*	*04/12/21 14:04*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/05/21 13:05*	*04/12/21 14:04*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.019	0.0066	mg/Kg	☼	04/07/21 07:51	04/08/21 12:54	1
PCB-1221	<0.0082		0.019	0.0082	mg/Kg	☼	04/07/21 07:51	04/08/21 12:54	1
PCB-1232	<0.0081		0.019	0.0081	mg/Kg	☼	04/07/21 07:51	04/08/21 12:54	1
PCB-1242	<0.0061		0.019	0.0061	mg/Kg	☼	04/07/21 07:51	04/08/21 12:54	1
PCB-1248	<0.0073		0.019	0.0073	mg/Kg	☼	04/07/21 07:51	04/08/21 12:54	1
PCB-1254	**0.051**		0.019	0.0040	mg/Kg	☼	04/07/21 07:51	04/08/21 12:54	1
PCB-1260	<0.0091		0.019	0.0091	mg/Kg	☼	04/07/21 07:51	04/08/21 12:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*49 - 129*	*04/07/21 07:51*	*04/08/21 12:54*	*1*
DCB Decachlorobiphenyl	*99*		*37 - 121*	*04/07/21 07:51*	*04/08/21 12:54*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-5 (0.5'-1.5')
Lab Sample ID: 500-197099-14
Date Collected: 04/05/21 12:50
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.066	0.030	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2,4-Trichlorobenzene	<0.022		0.066	0.022	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2,4-Trimethylbenzene	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2-Dibromoethane	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,3-Dichlorobenzene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Benzene	<0.0096		0.016	0.0096	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Bromobenzene	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Bromodichloromethane	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Bromoform	<0.032		0.066	0.032	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Bromomethane	<0.052		0.20	0.052	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Chlorobenzene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
cis-1,3-Dichloropropene	<0.027		0.066	0.027	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Hexachlorobutadiene	<0.029		0.066	0.029	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Methylene Chloride	**0.61**	**B**	0.33	0.11	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
n-Butylbenzene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-5 (0.5'-1.5')
Lab Sample ID: 500-197099-14
Date Collected: 04/05/21 12:50
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 86.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Styrene	<0.025		0.066	0.025	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Tetrachloroethene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Toluene	<0.0096		0.016	0.0096	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Trichloroethene	<0.011		0.033	0.011	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50
Xylenes, Total	<0.014		0.033	0.014	mg/Kg	☼	04/05/21 12:50	04/12/21 14:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*	*04/05/21 12:50*	*04/12/21 14:31*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*04/05/21 12:50*	*04/12/21 14:31*	*50*
Dibromofluoromethane (Surr)	*103*		*75 - 120*	*04/05/21 12:50*	*04/12/21 14:31*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/05/21 12:50*	*04/12/21 14:31*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0067		0.019	0.0067	mg/Kg	☼	04/07/21 07:51	04/08/21 13:10	1
PCB-1221	<0.0083		0.019	0.0083	mg/Kg	☼	04/07/21 07:51	04/08/21 13:10	1
PCB-1232	<0.0082		0.019	0.0082	mg/Kg	☼	04/07/21 07:51	04/08/21 13:10	1
PCB-1242	<0.0062		0.019	0.0062	mg/Kg	☼	04/07/21 07:51	04/08/21 13:10	1
PCB-1248	<0.0074		0.019	0.0074	mg/Kg	☼	04/07/21 07:51	04/08/21 13:10	1
PCB-1254	**0.0084**	**J**	0.019	0.0041	mg/Kg	☼	04/07/21 07:51	04/08/21 13:10	1
PCB-1260	<0.0093		0.019	0.0093	mg/Kg	☼	04/07/21 07:51	04/08/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*49 - 129*	*04/07/21 07:51*	*04/08/21 13:10*	*1*
DCB Decachlorobiphenyl	*90*		*37 - 121*	*04/07/21 07:51*	*04/08/21 13:10*	*1*

Client Sample ID: WB-Int-6 (0.5'-1.5')
Lab Sample ID: 500-197099-15

Date Collected: 04/05/21 11:40
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 89.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,1,1-Trichloroethane	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,1-Dichloroethane	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,1-Dichloropropene	<0.018		0.062	0.018	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2,3-Trichlorobenzene	<0.028		0.062	0.028	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,2-Dichloropropane	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,3,5-Trimethylbenzene	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,3-Dichloropropane	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
1,4-Dichlorobenzene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
2,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
2-Chlorotoluene	<0.019		0.062	0.019	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Benzene	<0.0090		0.015	0.0090	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Bromochloromethane	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Bromoform	<0.030		0.062	0.030	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Bromomethane	<0.049		0.19	0.049	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Dibromochloromethane	<0.030		0.062	0.030	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Methyl tert-butyl ether	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Methylene Chloride	**0.58**	**B**	0.31	0.10	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
p-Isopropyltoluene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50

Client Sample ID: WB-Int-6 (0.5'-1.5')
Lab Sample ID: 500-197099-15

Date Collected: 04/05/21 11:40
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 89.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Styrene	<0.024		0.062	0.024	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Tetrachloroethene	**0.31**		0.062	0.023	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Toluene	<0.0091		0.015	0.0091	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
trans-1,3-Dichloropropene	<0.022		0.062	0.022	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Trichlorofluoromethane	<0.026		0.062	0.026	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	04/05/21 11:40	04/12/21 14:58	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*	*04/05/21 11:40*	*04/12/21 14:58*	*50*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*04/05/21 11:40*	*04/12/21 14:58*	*50*
Dibromofluoromethane (Surr)	*105*		*75 - 120*	*04/05/21 11:40*	*04/12/21 14:58*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*04/05/21 11:40*	*04/12/21 14:58*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0064		0.018	0.0064	mg/Kg	☼	04/07/21 07:51	04/08/21 13:25	1
PCB-1221	<0.0080		0.018	0.0080	mg/Kg	☼	04/07/21 07:51	04/08/21 13:25	1
PCB-1232	<0.0079		0.018	0.0079	mg/Kg	☼	04/07/21 07:51	04/08/21 13:25	1
PCB-1242	<0.0060		0.018	0.0060	mg/Kg	☼	04/07/21 07:51	04/08/21 13:25	1
PCB-1248	<0.0072		0.018	0.0072	mg/Kg	☼	04/07/21 07:51	04/08/21 13:25	1
PCB-1254	<0.0039		0.018	0.0039	mg/Kg	☼	04/07/21 07:51	04/08/21 13:25	1
PCB-1260	<0.0089		0.018	0.0089	mg/Kg	☼	04/07/21 07:51	04/08/21 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*59*		*49 - 129*	*04/07/21 07:51*	*04/08/21 13:25*	*1*
DCB Decachlorobiphenyl	*89*		*37 - 121*	*04/07/21 07:51*	*04/08/21 13:25*	*1*

Client Sample ID: WB-Int-7 (0.5'-1.5')
Lab Sample ID: 500-197099-16

Date Collected: 04/05/21 11:00
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.061	0.028	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,1,1-Trichloroethane	<0.023		0.061	0.023	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,1,2,2-Tetrachloroethane	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,1,2-Trichloroethane	<0.021		0.061	0.021	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,1-Dichloroethane	<0.025		0.061	0.025	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,1-Dichloroethene	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,1-Dichloropropene	<0.018		0.061	0.018	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2,3-Trichlorobenzene	<0.028		0.061	0.028	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2,4-Trichlorobenzene	<0.021		0.061	0.021	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2,4-Trimethylbenzene	<0.022		0.061	0.022	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2-Dibromoethane	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2-Dichlorobenzene	<0.020		0.061	0.020	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2-Dichloroethane	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,2-Dichloropropane	<0.026		0.061	0.026	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,3,5-Trimethylbenzene	<0.023		0.061	0.023	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,3-Dichlorobenzene	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,3-Dichloropropane	<0.022		0.061	0.022	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
1,4-Dichlorobenzene	<0.022		0.061	0.022	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
2,2-Dichloropropane	<0.027		0.061	0.027	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
2-Chlorotoluene	<0.019		0.061	0.019	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
4-Chlorotoluene	<0.021		0.061	0.021	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Benzene	<0.0089		0.015	0.0089	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Bromobenzene	<0.022		0.061	0.022	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Bromochloromethane	<0.026		0.061	0.026	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Bromodichloromethane	<0.023		0.061	0.023	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Bromoform	<0.029		0.061	0.029	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Bromomethane	<0.048		0.18	0.048	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Carbon tetrachloride	<0.023		0.061	0.023	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Chlorobenzene	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Chloroethane	<0.031		0.061	0.031	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Chloromethane	<0.019		0.061	0.019	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
cis-1,2-Dichloroethene	<0.025		0.061	0.025	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
cis-1,3-Dichloropropene	<0.025		0.061	0.025	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Dibromochloromethane	<0.030		0.061	0.030	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Dibromomethane	<0.016		0.061	0.016	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Hexachlorobutadiene	<0.027		0.061	0.027	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Isopropyl ether	<0.017		0.061	0.017	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Isopropylbenzene	<0.023		0.061	0.023	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Methyl tert-butyl ether	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Methylene Chloride	**0.57**	**B**	0.30	0.099	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Naphthalene	<0.020		0.061	0.020	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
n-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
N-Propylbenzene	<0.025		0.061	0.025	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
p-Isopropyltoluene	<0.022		0.061	0.022	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50

Client Sample ID: WB-Int-7 (0.5'-1.5')
Lab Sample ID: 500-197099-16

Date Collected: 04/05/21 11:00
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 89.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Styrene	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
tert-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Tetrachloroethene	**3.0**		0.061	0.023	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Toluene	<0.0090		0.015	0.0090	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
trans-1,2-Dichloroethene	<0.021		0.061	0.021	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
trans-1,3-Dichloropropene	<0.022		0.061	0.022	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Trichloroethene	**0.021**	**J**	0.030	0.010	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Trichlorofluoromethane	<0.026		0.061	0.026	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Vinyl chloride	<0.016		0.061	0.016	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	☼	04/05/21 11:00	04/12/21 15:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*	*04/05/21 11:00*	*04/12/21 15:24*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*04/05/21 11:00*	*04/12/21 15:24*	*50*
Dibromofluoromethane (Surr)	*105*		*75 - 120*	*04/05/21 11:00*	*04/12/21 15:24*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/05/21 11:00*	*04/12/21 15:24*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0065		0.018	0.0065	mg/Kg	☼	04/07/21 07:51	04/08/21 13:41	1
PCB-1221	<0.0081		0.018	0.0081	mg/Kg	☼	04/07/21 07:51	04/08/21 13:41	1
PCB-1232	<0.0080		0.018	0.0080	mg/Kg	☼	04/07/21 07:51	04/08/21 13:41	1
PCB-1242	<0.0061		0.018	0.0061	mg/Kg	☼	04/07/21 07:51	04/08/21 13:41	1
PCB-1248	<0.0073		0.018	0.0073	mg/Kg	☼	04/07/21 07:51	04/08/21 13:41	1
PCB-1254	<0.0040		0.018	0.0040	mg/Kg	☼	04/07/21 07:51	04/08/21 13:41	1
PCB-1260	<0.0091		0.018	0.0091	mg/Kg	☼	04/07/21 07:51	04/08/21 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*49 - 129*	*04/07/21 07:51*	*04/08/21 13:41*	*1*
DCB Decachlorobiphenyl	*99*		*37 - 121*	*04/07/21 07:51*	*04/08/21 13:41*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-Int-8 (0.5'-1.5')
Lab Sample ID: 500-197099-17
Date Collected: 04/05/21 11:20
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.060	0.028	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,1,1-Trichloroethane	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,1,2,2-Tetrachloroethane	<0.024		0.060	0.024	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,1,2-Trichloroethane	<0.021		0.060	0.021	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,1-Dichloroethane	<0.024		0.060	0.024	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,1-Dichloroethene	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,1-Dichloropropene	<0.018		0.060	0.018	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2,3-Trichlorobenzene	<0.027		0.060	0.027	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2,4-Trichlorobenzene	<0.020		0.060	0.020	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2,4-Trimethylbenzene	<0.021		0.060	0.021	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2-Dibromo-3-Chloropropane	<0.12		0.30	0.12	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2-Dibromoethane	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2-Dichlorobenzene	<0.020		0.060	0.020	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2-Dichloroethane	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,3,5-Trimethylbenzene	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,3-Dichlorobenzene	<0.024		0.060	0.024	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,3-Dichloropropane	<0.022		0.060	0.022	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
1,4-Dichlorobenzene	<0.022		0.060	0.022	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
2,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
2-Chlorotoluene	<0.019		0.060	0.019	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
4-Chlorotoluene	<0.021		0.060	0.021	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Benzene	<0.0087		0.015	0.0087	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Bromobenzene	<0.021		0.060	0.021	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Bromochloromethane	<0.026		0.060	0.026	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Bromodichloromethane	<0.022		0.060	0.022	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Bromoform	<0.029		0.060	0.029	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Bromomethane	<0.047		0.18	0.047	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Carbon tetrachloride	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Chlorobenzene	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Chloroethane	<0.030		0.060	0.030	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Chloroform	<0.022		0.12	0.022	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Chloromethane	<0.019		0.060	0.019	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
cis-1,2-Dichloroethene	<0.024		0.060	0.024	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
cis-1,3-Dichloropropene	<0.025		0.060	0.025	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Dibromochloromethane	<0.029		0.060	0.029	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Dibromomethane	<0.016		0.060	0.016	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Dichlorodifluoromethane	<0.040		0.18	0.040	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Hexachlorobutadiene	<0.027		0.060	0.027	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Isopropyl ether	<0.016		0.060	0.016	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Isopropylbenzene	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Methyl tert-butyl ether	<0.024		0.060	0.024	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Methylene Chloride	**0.57**	**B**	0.30	0.097	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Naphthalene	<0.020		0.060	0.020	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
n-Butylbenzene	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
N-Propylbenzene	<0.025		0.060	0.025	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
p-Isopropyltoluene	<0.022		0.060	0.022	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50

Client Sample ID: WB-Int-8 (0.5'-1.5')
Lab Sample ID: 500-197099-17

Date Collected: 04/05/21 11:20
Matrix: Solid

Date Received: 04/06/21 08:40
Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Styrene	<0.023		0.060	0.023	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
tert-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Tetrachloroethene	<0.022		0.060	0.022	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Toluene	<0.0088		0.015	0.0088	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
trans-1,2-Dichloroethene	<0.021		0.060	0.021	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
trans-1,3-Dichloropropene	<0.022		0.060	0.022	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Trichloroethene	<0.0098		0.030	0.0098	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Trichlorofluoromethane	<0.026		0.060	0.026	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Vinyl chloride	<0.016		0.060	0.016	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	☼	04/05/21 11:20	04/12/21 15:51	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*	*04/05/21 11:20*	*04/12/21 15:51*	*50*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*	*04/05/21 11:20*	*04/12/21 15:51*	*50*
Dibromofluoromethane (Surr)	*107*		*75 - 120*	*04/05/21 11:20*	*04/12/21 15:51*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*04/05/21 11:20*	*04/12/21 15:51*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0064		0.018	0.0064	mg/Kg	☼	04/07/21 07:51	04/08/21 13:56	1
PCB-1221	<0.0079		0.018	0.0079	mg/Kg	☼	04/07/21 07:51	04/08/21 13:56	1
PCB-1232	<0.0079		0.018	0.0079	mg/Kg	☼	04/07/21 07:51	04/08/21 13:56	1
PCB-1242	<0.0059		0.018	0.0059	mg/Kg	☼	04/07/21 07:51	04/08/21 13:56	1
PCB-1248	<0.0071		0.018	0.0071	mg/Kg	☼	04/07/21 07:51	04/08/21 13:56	1
PCB-1254	<0.0039		0.018	0.0039	mg/Kg	☼	04/07/21 07:51	04/08/21 13:56	1
PCB-1260	<0.0089		0.018	0.0089	mg/Kg	☼	04/07/21 07:51	04/08/21 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*49 - 129*	*04/07/21 07:51*	*04/08/21 13:56*	*1*
DCB Decachlorobiphenyl	*103*		*37 - 121*	*04/07/21 07:51*	*04/08/21 13:56*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: TB
Lab Sample ID: 500-197099-18
Date Collected: 04/05/21 00:00
Matrix: Solid
Date Received: 04/06/21 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Methylene Chloride	**0.16**	**J B**	0.25	0.082	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: TB
Lab Sample ID: 500-197099-18
Date Collected: 04/05/21 00:00
Matrix: Solid
Date Received: 04/06/21 08:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/05/21 00:00	04/12/21 10:57	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/05/21 00:00	04/12/21 10:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*	*04/05/21 00:00*	*04/12/21 10:57*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*04/05/21 00:00*	*04/12/21 10:57*	*50*
Dibromofluoromethane (Surr)	*103*		*75 - 120*	*04/05/21 00:00*	*04/12/21 10:57*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/05/21 00:00*	*04/12/21 10:57*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Prep Batch: 591989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-18	TB	Total/NA	Solid	5035	
LB3 500-591989/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-591989/20-A	Lab Control Sample	Total/NA	Solid	5035	
500-197099-6 MS	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	5035	
500-197099-6 MSD	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	5035	

Analysis Batch: 592413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	8260B	591989
LB3 500-591989/19-A	Method Blank	Total/NA	Solid	8260B	591989
MB 500-592413/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-591989/20-A	Lab Control Sample	Total/NA	Solid	8260B	591989
LCS 500-592413/4	Lab Control Sample	Total/NA	Solid	8260B	
500-197099-6 MS	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-6 MSD	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	8260B	591989

Analysis Batch: 592700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	8260B	591989
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	8260B	591989

GC/MS VOA (Continued)

Analysis Batch: 592700 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-18	TB	Total/NA	Solid	8260B	591989
MB 500-592700/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-592700/4	Lab Control Sample	Total/NA	Solid	8260B	

GC Semi VOA

Prep Batch: 592039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	3541	
MB 500-592039/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-592039/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-197099-1 MS	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	3541	
500-197099-1 MSD	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	3541	

Analysis Batch: 592199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	8082A	592039
MB 500-592039/1-A	Method Blank	Total/NA	Solid	8082A	592039
LCS 500-592039/2-A	Lab Control Sample	Total/NA	Solid	8082A	592039

GC Semi VOA (Continued)

Analysis Batch: 592199 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1 MS	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	8082A	592039
500-197099-1 MSD	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	8082A	592039

General Chemistry

Analysis Batch: 593365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197099-1	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-2	WB-Int-10 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-3	WB-Int-11 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-4	WB-Int-12 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-5	WB-Int-13 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-6	WB-Int-14 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-7	WB-Int-15 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-8	WB-Int-16 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-9	WB-Int-17 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-10	WB-Int-1 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-11	WB-Int-2 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-12	WB-Int-3 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-13	WB-Int-4 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-14	WB-Int-5 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-15	WB-Int-6 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-16	WB-Int-7 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-17	WB-Int-8 (0.5'-1.5')	Total/NA	Solid	Moisture	
500-197099-1 DU	WB-Int-9 (0.5'-1.5')	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197099-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-197099-1	WB-Int-9 (0.5'-1.5')	105	84	91	94
500-197099-2	WB-Int-10 (0.5'-1.5')	108	86	91	94
500-197099-3	WB-Int-11 (0.5'-1.5')	107	87	90	94
500-197099-4	WB-Int-12 (0.5'-1.5')	111	87	92	95
500-197099-5	WB-Int-13 (0.5'-1.5')	110	90	92	94
500-197099-6	WB-Int-14 (0.5'-1.5')	111	88	91	94
500-197099-6 MS	WB-Int-14 (0.5'-1.5')	107	85	96	95
500-197099-6 MSD	WB-Int-14 (0.5'-1.5')	106	86	97	95
500-197099-7	WB-Int-15 (0.5'-1.5')	101	93	103	95
500-197099-8	WB-Int-16 (0.5'-1.5')	100	94	99	96
500-197099-9	WB-Int-17 (0.5'-1.5')	100	95	100	96
500-197099-10	WB-Int-1 (0.5'-1.5')	101	93	102	96
500-197099-11	WB-Int-2 (0.5'-1.5')	102	92	104	95
500-197099-12	WB-Int-3 (0.5'-1.5')	103	93	105	95
500-197099-13	WB-Int-4 (0.5'-1.5')	103	94	104	94
500-197099-14	WB-Int-5 (0.5'-1.5')	103	93	103	95
500-197099-15	WB-Int-6 (0.5'-1.5')	103	92	105	96
500-197099-16	WB-Int-7 (0.5'-1.5')	102	93	105	95
500-197099-17	WB-Int-8 (0.5'-1.5')	106	94	107	94
500-197099-18	TB	102	93	103	95
LB3 500-591989/19-A	Method Blank	107	87	89	95
LCS 500-591989/20-A	Lab Control Sample	107	85	96	94
LCS 500-592413/4	Lab Control Sample	102	85	96	98
LCS 500-592700/4	Lab Control Sample	101	95	99	97
MB 500-592413/6	Method Blank	102	85	94	93
MB 500-592700/6	Method Blank	103	94	105	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-197099-1	WB-Int-9 (0.5'-1.5')	79	94
500-197099-1 MS	WB-Int-9 (0.5'-1.5')	101	127 S1+
500-197099-1 MSD	WB-Int-9 (0.5'-1.5')	92	109
500-197099-2	WB-Int-10 (0.5'-1.5')	75	99
500-197099-3	WB-Int-11 (0.5'-1.5')	59	103
500-197099-4	WB-Int-12 (0.5'-1.5')	74	105
500-197099-5	WB-Int-13 (0.5'-1.5')	73	95
500-197099-6	WB-Int-14 (0.5'-1.5')	70	92
500-197099-7	WB-Int-15 (0.5'-1.5')	67	95
500-197099-8	WB-Int-16 (0.5'-1.5')	70	99
500-197099-9	WB-Int-17 (0.5'-1.5')	79	99

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	TCX2 (49-129)	DCBP2 (37-121)								
500-197099-10	WB-Int-1 (0.5'-1.5')	75	94								
500-197099-11	WB-Int-2 (0.5'-1.5')	67	96								
500-197099-12	WB-Int-3 (0.5'-1.5')	65	98								
500-197099-13	WB-Int-4 (0.5'-1.5')	86	99								
500-197099-14	WB-Int-5 (0.5'-1.5')	73	90								
500-197099-15	WB-Int-6 (0.5'-1.5')	59	89								
500-197099-16	WB-Int-7 (0.5'-1.5')	75	99								
500-197099-17	WB-Int-8 (0.5'-1.5')	70	103								
LCS 500-592039/2-A	Lab Control Sample	92	106								
MB 500-592039/1-A	Method Blank	89	96								

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-591989/19-A
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591989

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-591989/19-A
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591989

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/06/21 23:15	04/09/21 16:10	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/06/21 23:15	04/09/21 16:10	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*	*04/06/21 23:15*	*04/09/21 16:10*	*50*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*	*04/06/21 23:15*	*04/09/21 16:10*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*04/06/21 23:15*	*04/09/21 16:10*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*04/06/21 23:15*	*04/09/21 16:10*	*50*

Lab Sample ID: LCS 500-591989/20-A
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.27		mg/Kg		91	70 - 125
1,1,1-Trichloroethane	2.50	2.45		mg/Kg		98	70 - 125
1,1,2,2-Tetrachloroethane	2.50	1.83		mg/Kg		73	62 - 140
1,1,2-Trichloroethane	2.50	2.20		mg/Kg		88	71 - 130
1,1-Dichloroethane	2.50	2.66		mg/Kg		107	70 - 125
1,1-Dichloroethene	2.50	2.23		mg/Kg		89	67 - 122
1,1-Dichloropropene	2.50	2.57		mg/Kg		103	70 - 121
1,2,3-Trichlorobenzene	2.50	2.57		mg/Kg		103	51 - 145
1,2,3-Trichloropropane	2.50	1.95		mg/Kg		78	50 - 133
1,2,4-Trichlorobenzene	2.50	2.52		mg/Kg		101	57 - 137
1,2,4-Trimethylbenzene	2.50	2.35		mg/Kg		94	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.65		mg/Kg		66	56 - 123
1,2-Dibromoethane	2.50	2.21		mg/Kg		88	70 - 125
1,2-Dichlorobenzene	2.50	2.27		mg/Kg		91	70 - 125
1,2-Dichloroethane	2.50	2.91		mg/Kg		116	68 - 127
1,2-Dichloropropane	2.50	2.76		mg/Kg		110	67 - 130
1,3,5-Trimethylbenzene	2.50	2.34		mg/Kg		94	70 - 123
1,3-Dichlorobenzene	2.50	2.36		mg/Kg		94	70 - 125
1,3-Dichloropropane	2.50	2.43		mg/Kg		97	62 - 136
1,4-Dichlorobenzene	2.50	2.35		mg/Kg		94	70 - 120
2,2-Dichloropropane	2.50	2.56		mg/Kg		103	58 - 139
2-Chlorotoluene	2.50	2.23		mg/Kg		89	70 - 125
4-Chlorotoluene	2.50	2.25		mg/Kg		90	68 - 124
Benzene	2.50	2.55		mg/Kg		102	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-591989/20-A
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.05		mg/Kg		82	70 - 122
Bromochloromethane	2.50	2.51		mg/Kg		100	65 - 122
Bromodichloromethane	2.50	2.25		mg/Kg		90	69 - 120
Bromoform	2.50	1.69		mg/Kg		68	56 - 132
Bromomethane	2.50	1.69		mg/Kg		68	40 - 152
Carbon tetrachloride	2.50	2.32		mg/Kg		93	59 - 133
Chlorobenzene	2.50	2.54		mg/Kg		102	70 - 120
Chloroethane	2.50	1.89		mg/Kg		76	48 - 136
Chloroform	2.50	2.48		mg/Kg		99	70 - 120
Chloromethane	2.50	2.29		mg/Kg		92	56 - 152
cis-1,2-Dichloroethene	2.50	2.40		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	2.50	2.14		mg/Kg		86	64 - 127
Dibromochloromethane	2.50	1.90		mg/Kg		76	68 - 125
Dibromomethane	2.50	2.50		mg/Kg		100	70 - 120
Dichlorodifluoromethane	2.50	1.38		mg/Kg		55	40 - 159
Ethylbenzene	2.50	2.63		mg/Kg		105	70 - 123
Hexachlorobutadiene	2.50	2.84		mg/Kg		113	51 - 150
Isopropylbenzene	2.50	2.23		mg/Kg		89	70 - 126
Methyl tert-butyl ether	2.50	2.78		mg/Kg		111	55 - 123
Methylene Chloride	2.50	2.33		mg/Kg		93	69 - 125
Naphthalene	2.50	2.24		mg/Kg		90	53 - 144
n-Butylbenzene	2.50	2.57		mg/Kg		103	68 - 125
N-Propylbenzene	2.50	2.30		mg/Kg		92	69 - 127
p-Isopropyltoluene	2.50	2.56		mg/Kg		102	70 - 125
sec-Butylbenzene	2.50	2.41		mg/Kg		97	70 - 123
Styrene	2.50	2.29		mg/Kg		92	70 - 120
tert-Butylbenzene	2.50	2.35		mg/Kg		94	70 - 121
Tetrachloroethene	2.50	2.38		mg/Kg		95	70 - 128
Toluene	2.50	2.40		mg/Kg		96	70 - 125
trans-1,2-Dichloroethene	2.50	2.33		mg/Kg		93	70 - 125
trans-1,3-Dichloropropene	2.50	2.09		mg/Kg		83	62 - 128
Trichloroethene	2.50	2.53		mg/Kg		101	70 - 125
Trichlorofluoromethane	2.50	2.27		mg/Kg		91	55 - 128
Vinyl chloride	2.50	2.19		mg/Kg		88	64 - 126
Xylenes, Total	5.00	5.26		mg/Kg		105	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: 500-197099-6 MS
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: WB-Int-14 (0.5'-1.5')
Prep Type: Total/NA
Prep Batch: 591989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.025		2.73	2.42		mg/Kg	☼	89	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-197099-6 MS
Client Sample ID: WB-Int-14 (0.5'-1.5')
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 592413
Prep Batch: 591989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.021		2.73	2.56		mg/Kg	☼	94	70 - 125
1,1,2,2-Tetrachloroethane	<0.022		2.73	1.91		mg/Kg	☼	70	62 - 140
1,1,2-Trichloroethane	<0.019		2.73	2.36		mg/Kg	☼	87	71 - 130
1,1-Dichloroethane	<0.022		2.73	2.83		mg/Kg	☼	104	70 - 125
1,1-Dichloroethene	<0.021		2.73	2.43		mg/Kg	☼	89	67 - 122
1,1-Dichloropropene	<0.016		2.73	2.68		mg/Kg	☼	98	70 - 121
1,2,3-Trichlorobenzene	<0.025		2.73	2.74		mg/Kg	☼	100	51 - 145
1,2,3-Trichloropropane	<0.023		2.73	2.08		mg/Kg	☼	76	50 - 133
1,2,4-Trichlorobenzene	<0.019		2.73	2.67		mg/Kg	☼	98	57 - 137
1,2,4-Trimethylbenzene	<0.020		2.73	2.46		mg/Kg	☼	90	70 - 123
1,2-Dibromo-3-Chloropropane	<0.11		2.73	1.79		mg/Kg	☼	66	56 - 123
1,2-Dibromoethane	<0.021		2.73	2.27		mg/Kg	☼	83	70 - 125
1,2-Dichlorobenzene	<0.018		2.73	2.33		mg/Kg	☼	85	70 - 125
1,2-Dichloroethane	<0.021		2.73	3.00		mg/Kg	☼	110	68 - 127
1,2-Dichloropropane	<0.023		2.73	2.95		mg/Kg	☼	108	67 - 130
1,3,5-Trimethylbenzene	<0.021		2.73	2.43		mg/Kg	☼	89	70 - 123
1,3-Dichlorobenzene	<0.022		2.73	2.43		mg/Kg	☼	89	70 - 125
1,3-Dichloropropane	<0.020		2.73	2.52		mg/Kg	☼	92	62 - 136
1,4-Dichlorobenzene	<0.020		2.73	2.43		mg/Kg	☼	89	70 - 120
2,2-Dichloropropane	<0.024		2.73	2.61		mg/Kg	☼	96	58 - 139
2-Chlorotoluene	<0.017		2.73	2.33		mg/Kg	☼	86	70 - 125
4-Chlorotoluene	<0.019		2.73	2.37		mg/Kg	☼	87	68 - 124
Benzene	<0.0080		2.73	2.68		mg/Kg	☼	98	70 - 120
Bromobenzene	<0.019		2.73	2.15		mg/Kg	☼	79	70 - 122
Bromochloromethane	<0.023		2.73	2.65		mg/Kg	☼	97	65 - 122
Bromodichloromethane	<0.020		2.73	2.36		mg/Kg	☼	86	69 - 120
Bromoform	<0.026		2.73	1.81		mg/Kg	☼	66	56 - 132
Bromomethane	<0.043		2.73	1.99		mg/Kg	☼	73	40 - 152
Carbon tetrachloride	<0.021		2.73	2.45		mg/Kg	☼	90	59 - 133
Chlorobenzene	<0.021		2.73	2.66		mg/Kg	☼	97	70 - 120
Chloroethane	<0.027		2.73	2.16		mg/Kg	☼	79	48 - 136
Chloroform	<0.020		2.73	2.58		mg/Kg	☼	94	70 - 120
Chloromethane	<0.017		2.73	3.27		mg/Kg	☼	120	56 - 152
cis-1,2-Dichloroethene	<0.022		2.73	2.50		mg/Kg	☼	92	70 - 125
cis-1,3-Dichloropropene	<0.023		2.73	2.28		mg/Kg	☼	83	64 - 127
Dibromochloromethane	<0.027		2.73	2.03		mg/Kg	☼	74	68 - 125
Dibromomethane	<0.015		2.73	2.54		mg/Kg	☼	93	70 - 120
Dichlorodifluoromethane	<0.037		2.73	2.92		mg/Kg	☼	107	40 - 159
Ethylbenzene	<0.010		2.73	2.75		mg/Kg	☼	101	70 - 123
Hexachlorobutadiene	<0.024		2.73	2.95		mg/Kg	☼	108	51 - 150
Isopropylbenzene	<0.021		2.73	2.34		mg/Kg	☼	86	70 - 126
Methyl tert-butyl ether	<0.021		2.73	2.86		mg/Kg	☼	105	55 - 123
Methylene Chloride	<0.089		2.73	2.45		mg/Kg	☼	90	69 - 125
Naphthalene	<0.018		2.73	2.41		mg/Kg	☼	88	53 - 144
n-Butylbenzene	<0.021		2.73	2.68		mg/Kg	☼	98	68 - 125
N-Propylbenzene	<0.023		2.73	2.40		mg/Kg	☼	88	69 - 127
p-Isopropyltoluene	<0.020		2.73	2.66		mg/Kg	☼	98	70 - 125
sec-Butylbenzene	<0.022		2.73	2.52		mg/Kg	☼	93	70 - 123
Styrene	<0.021		2.73	2.38		mg/Kg	☼	87	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-197099-6 MS
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: WB-Int-14 (0.5'-1.5')
Prep Type: Total/NA
Prep Batch: 591989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.022		2.73	2.46		mg/Kg	☼	90	70 - 121
Tetrachloroethene	<0.020		2.73	2.51		mg/Kg	☼	92	70 - 128
Toluene	<0.0080		2.73	2.53		mg/Kg	☼	93	70 - 125
trans-1,2-Dichloroethene	<0.019		2.73	2.48		mg/Kg	☼	91	70 - 125
trans-1,3-Dichloropropene	<0.020		2.73	2.21		mg/Kg	☼	81	62 - 128
Trichloroethene	<0.0089		2.73	2.68		mg/Kg	☼	98	70 - 125
Trichlorofluoromethane	<0.023		2.73	2.52		mg/Kg	☼	92	55 - 128
Vinyl chloride	<0.014		2.73	2.91		mg/Kg	☼	107	64 - 126
Xylenes, Total	<0.012		5.45	5.49		mg/Kg	☼	101	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: 500-197099-6 MSD
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: WB-Int-14 (0.5'-1.5')
Prep Type: Total/NA
Prep Batch: 591989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.025		2.73	2.34		mg/Kg	☼	86	70 - 125	3	30
1,1,1-Trichloroethane	<0.021		2.73	2.57		mg/Kg	☼	94	70 - 125	0	30
1,1,2,2-Tetrachloroethane	<0.022		2.73	1.89		mg/Kg	☼	69	62 - 140	1	30
1,1,2-Trichloroethane	<0.019		2.73	2.34		mg/Kg	☼	86	71 - 130	1	30
1,1-Dichloroethane	<0.022		2.73	2.81		mg/Kg	☼	103	70 - 125	1	30
1,1-Dichloroethene	<0.021		2.73	2.50		mg/Kg	☼	92	67 - 122	2	30
1,1-Dichloropropene	<0.016		2.73	2.73		mg/Kg	☼	100	70 - 121	2	30
1,2,3-Trichlorobenzene	<0.025		2.73	2.72		mg/Kg	☼	100	51 - 145	1	30
1,2,3-Trichloropropane	<0.023		2.73	1.99		mg/Kg	☼	73	50 - 133	5	30
1,2,4-Trichlorobenzene	<0.019		2.73	2.68		mg/Kg	☼	98	57 - 137	0	30
1,2,4-Trimethylbenzene	<0.020		2.73	2.46		mg/Kg	☼	90	70 - 123	0	30
1,2-Dibromo-3-Chloropropane	<0.11		2.73	1.75		mg/Kg	☼	64	56 - 123	2	30
1,2-Dibromoethane	<0.021		2.73	2.26		mg/Kg	☼	83	70 - 125	1	30
1,2-Dichlorobenzene	<0.018		2.73	2.36		mg/Kg	☼	86	70 - 125	1	30
1,2-Dichloroethane	<0.021		2.73	2.95		mg/Kg	☼	108	68 - 127	2	30
1,2-Dichloropropane	<0.023		2.73	2.97		mg/Kg	☼	109	67 - 130	1	30
1,3,5-Trimethylbenzene	<0.021		2.73	2.43		mg/Kg	☼	89	70 - 123	0	30
1,3-Dichlorobenzene	<0.022		2.73	2.42		mg/Kg	☼	89	70 - 125	1	30
1,3-Dichloropropane	<0.020		2.73	2.48		mg/Kg	☼	91	62 - 136	2	30
1,4-Dichlorobenzene	<0.020		2.73	2.44		mg/Kg	☼	89	70 - 120	0	30
2,2-Dichloropropane	<0.024		2.73	2.67		mg/Kg	☼	98	58 - 139	2	30
2-Chlorotoluene	<0.017		2.73	2.33		mg/Kg	☼	86	70 - 125	0	30
4-Chlorotoluene	<0.019		2.73	2.36		mg/Kg	☼	87	68 - 124	0	30
Benzene	<0.0080		2.73	2.69		mg/Kg	☼	99	70 - 120	0	30
Bromobenzene	<0.019		2.73	2.15		mg/Kg	☼	79	70 - 122	0	30
Bromochloromethane	<0.023		2.73	2.62		mg/Kg	☼	96	65 - 122	1	30
Bromodichloromethane	<0.020		2.73	2.34		mg/Kg	☼	86	69 - 120	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-197099-6 MSD
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: WB-Int-14 (0.5'-1.5')
Prep Type: Total/NA
Prep Batch: 591989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.026		2.73	1.83		mg/Kg	☼	67	56 - 132	1	30
Bromomethane	<0.043		2.73	2.02		mg/Kg	☼	74	40 - 152	2	30
Carbon tetrachloride	<0.021		2.73	2.45		mg/Kg	☼	90	59 - 133	0	30
Chlorobenzene	<0.021		2.73	2.65		mg/Kg	☼	97	70 - 120	0	30
Chloroethane	<0.027		2.73	2.21		mg/Kg	☼	81	48 - 136	2	30
Chloroform	<0.020		2.73	2.55		mg/Kg	☼	94	70 - 120	1	30
Chloromethane	<0.017		2.73	3.38		mg/Kg	☼	124	56 - 152	3	30
cis-1,2-Dichloroethene	<0.022		2.73	2.51		mg/Kg	☼	92	70 - 125	0	30
cis-1,3-Dichloropropene	<0.023		2.73	2.27		mg/Kg	☼	83	64 - 127	0	30
Dibromochloromethane	<0.027		2.73	2.04		mg/Kg	☼	75	68 - 125	0	30
Dibromomethane	<0.015		2.73	2.53		mg/Kg	☼	93	70 - 120	0	30
Dichlorodifluoromethane	<0.037		2.73	2.89		mg/Kg	☼	106	40 - 159	1	30
Ethylbenzene	<0.010		2.73	2.78		mg/Kg	☼	102	70 - 123	1	30
Hexachlorobutadiene	<0.024		2.73	3.01		mg/Kg	☼	110	51 - 150	2	30
Isopropylbenzene	<0.021		2.73	2.35		mg/Kg	☼	86	70 - 126	0	30
Methyl tert-butyl ether	<0.021		2.73	2.88		mg/Kg	☼	106	55 - 123	1	30
Methylene Chloride	<0.089		2.73	2.48		mg/Kg	☼	91	69 - 125	1	30
Naphthalene	<0.018		2.73	2.42		mg/Kg	☼	89	53 - 144	0	30
n-Butylbenzene	<0.021		2.73	2.68		mg/Kg	☼	98	68 - 125	0	30
N-Propylbenzene	<0.023		2.73	2.41		mg/Kg	☼	88	69 - 127	0	30
p-Isopropyltoluene	<0.020		2.73	2.68		mg/Kg	☼	98	70 - 125	1	30
sec-Butylbenzene	<0.022		2.73	2.54		mg/Kg	☼	93	70 - 123	0	30
Styrene	<0.021		2.73	2.38		mg/Kg	☼	87	70 - 120	0	30
tert-Butylbenzene	<0.022		2.73	2.47		mg/Kg	☼	90	70 - 121	0	30
Tetrachloroethene	<0.020		2.73	2.50		mg/Kg	☼	92	70 - 128	1	30
Toluene	<0.0080		2.73	2.53		mg/Kg	☼	93	70 - 125	0	30
trans-1,2-Dichloroethene	<0.019		2.73	2.52		mg/Kg	☼	92	70 - 125	2	30
trans-1,3-Dichloropropene	<0.020		2.73	2.20		mg/Kg	☼	81	62 - 128	1	30
Trichloroethene	<0.0089		2.73	2.68		mg/Kg	☼	98	70 - 125	0	30
Trichlorofluoromethane	<0.023		2.73	2.58		mg/Kg	☼	94	55 - 128	2	30
Vinyl chloride	<0.014		2.73	2.96		mg/Kg	☼	109	64 - 126	2	30
Xylenes, Total	<0.012		5.45	5.46		mg/Kg	☼	100	70 - 125	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
Toluene-d8 (Surr)	*95*		*75 - 120*

Lab Sample ID: MB 500-592413/6
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/09/21 11:07	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/09/21 11:07	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/09/21 11:07	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/09/21 11:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-592413/6
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/09/21 11:07	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/09/21 11:07	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/09/21 11:07	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/09/21 11:07	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/09/21 11:07	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/09/21 11:07	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/09/21 11:07	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/09/21 11:07	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/09/21 11:07	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/09/21 11:07	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/09/21 11:07	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/09/21 11:07	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/09/21 11:07	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/09/21 11:07	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/09/21 11:07	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/09/21 11:07	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/09/21 11:07	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/09/21 11:07	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/09/21 11:07	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/09/21 11:07	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/09/21 11:07	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/09/21 11:07	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/09/21 11:07	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/09/21 11:07	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/09/21 11:07	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/09/21 11:07	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/09/21 11:07	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/09/21 11:07	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/09/21 11:07	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/09/21 11:07	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/09/21 11:07	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/09/21 11:07	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/09/21 11:07	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/09/21 11:07	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/09/21 11:07	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/09/21 11:07	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/09/21 11:07	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/09/21 11:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-592413/6
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/09/21 11:07	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/09/21 11:07	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/09/21 11:07	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/09/21 11:07	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/09/21 11:07	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/09/21 11:07	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/09/21 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*04/09/21 11:07*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*04/09/21 11:07*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*04/09/21 11:07*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*04/09/21 11:07*	*1*

Lab Sample ID: LCS 500-592413/4
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0427		mg/Kg		85	70 - 125
1,1,1-Trichloroethane	0.0500	0.0469		mg/Kg		94	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0333		mg/Kg		67	62 - 140
1,1,2-Trichloroethane	0.0500	0.0401		mg/Kg		80	71 - 130
1,1-Dichloroethane	0.0500	0.0489		mg/Kg		98	70 - 125
1,1-Dichloroethene	0.0500	0.0430		mg/Kg		86	67 - 122
1,1-Dichloropropene	0.0500	0.0486		mg/Kg		97	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0401		mg/Kg		80	51 - 145
1,2,3-Trichloropropane	0.0500	0.0342		mg/Kg		68	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0406		mg/Kg		81	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0428		mg/Kg		86	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0296		mg/Kg		59	56 - 123
1,2-Dibromoethane	0.0500	0.0395		mg/Kg		79	70 - 125
1,2-Dichlorobenzene	0.0500	0.0398		mg/Kg		80	70 - 125
1,2-Dichloroethane	0.0500	0.0504		mg/Kg		101	68 - 127
1,2-Dichloropropane	0.0500	0.0505		mg/Kg		101	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0427		mg/Kg		85	70 - 123
1,3-Dichlorobenzene	0.0500	0.0422		mg/Kg		84	70 - 125
1,3-Dichloropropane	0.0500	0.0428		mg/Kg		86	62 - 136
1,4-Dichlorobenzene	0.0500	0.0418		mg/Kg		84	70 - 120
2,2-Dichloropropane	0.0500	0.0500		mg/Kg		100	58 - 139
2-Chlorotoluene	0.0500	0.0414		mg/Kg		83	70 - 125
4-Chlorotoluene	0.0500	0.0411		mg/Kg		82	68 - 124
Benzene	0.0500	0.0467		mg/Kg		93	70 - 120
Bromobenzene	0.0500	0.0377		mg/Kg		75	70 - 122
Bromochloromethane	0.0500	0.0451		mg/Kg		90	65 - 122
Bromodichloromethane	0.0500	0.0416		mg/Kg		83	69 - 120
Bromoform	0.0500	0.0333		mg/Kg		67	56 - 132
Bromomethane	0.0500	0.0524		mg/Kg		105	40 - 152

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-592413/4
Matrix: Solid
Analysis Batch: 592413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0469		mg/Kg		94	59 - 133
Chlorobenzene	0.0500	0.0457		mg/Kg		91	70 - 120
Chloroethane	0.0500	0.0595		mg/Kg		119	48 - 136
Chloroform	0.0500	0.0442		mg/Kg		88	70 - 120
Chloromethane	0.0500	0.0555		mg/Kg		111	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0428		mg/Kg		86	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0404		mg/Kg		81	64 - 127
Dibromochloromethane	0.0500	0.0368		mg/Kg		74	68 - 125
Dibromomethane	0.0500	0.0429		mg/Kg		86	70 - 120
Dichlorodifluoromethane	0.0500	0.0497		mg/Kg		99	40 - 159
Ethylbenzene	0.0500	0.0485		mg/Kg		97	70 - 123
Hexachlorobutadiene	0.0500	0.0465		mg/Kg		93	51 - 150
Isopropylbenzene	0.0500	0.0429		mg/Kg		86	70 - 126
Methyl tert-butyl ether	0.0500	0.0469		mg/Kg		94	55 - 123
Methylene Chloride	0.0500	0.0411		mg/Kg		82	69 - 125
Naphthalene	0.0500	0.0355		mg/Kg		71	53 - 144
n-Butylbenzene	0.0500	0.0455		mg/Kg		91	68 - 125
N-Propylbenzene	0.0500	0.0435		mg/Kg		87	69 - 127
p-Isopropyltoluene	0.0500	0.0461		mg/Kg		92	70 - 125
sec-Butylbenzene	0.0500	0.0448		mg/Kg		90	70 - 123
Styrene	0.0500	0.0440		mg/Kg		88	70 - 120
tert-Butylbenzene	0.0500	0.0435		mg/Kg		87	70 - 121
Tetrachloroethene	0.0500	0.0471		mg/Kg		94	70 - 128
Toluene	0.0500	0.0451		mg/Kg		90	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0444		mg/Kg		89	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0375		mg/Kg		75	62 - 128
Trichloroethene	0.0500	0.0471		mg/Kg		94	70 - 125
Trichlorofluoromethane	0.0500	0.0456		mg/Kg		91	55 - 128
Vinyl chloride	0.0500	0.0509		mg/Kg		102	64 - 126
Xylenes, Total	0.100	0.0954		mg/Kg		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: MB 500-592700/6
Matrix: Solid
Analysis Batch: 592700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/12/21 10:31	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/12/21 10:31	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/12/21 10:31	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/12/21 10:31	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/12/21 10:31	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-592700/6
Matrix: Solid
Analysis Batch: 592700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/12/21 10:31	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/12/21 10:31	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/12/21 10:31	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/12/21 10:31	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/12/21 10:31	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/12/21 10:31	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/12/21 10:31	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/12/21 10:31	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/12/21 10:31	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/12/21 10:31	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/12/21 10:31	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/12/21 10:31	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/12/21 10:31	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/12/21 10:31	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/12/21 10:31	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/12/21 10:31	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/12/21 10:31	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/12/21 10:31	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/12/21 10:31	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/12/21 10:31	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/12/21 10:31	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/12/21 10:31	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/12/21 10:31	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/12/21 10:31	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/12/21 10:31	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/12/21 10:31	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/12/21 10:31	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/12/21 10:31	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/12/21 10:31	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/12/21 10:31	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
Methylene Chloride	0.00213	J	0.0050	0.0016	mg/Kg			04/12/21 10:31	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/12/21 10:31	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/12/21 10:31	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/12/21 10:31	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/12/21 10:31	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/12/21 10:31	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/12/21 10:31	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/12/21 10:31	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/12/21 10:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-592700/6
Matrix: Solid
Analysis Batch: 592700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/12/21 10:31	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/12/21 10:31	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/12/21 10:31	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/12/21 10:31	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/12/21 10:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*04/12/21 10:31*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*04/12/21 10:31*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 120*		*04/12/21 10:31*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*04/12/21 10:31*	*1*

Lab Sample ID: LCS 500-592700/4
Matrix: Solid
Analysis Batch: 592700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0460		mg/Kg		92	70 - 125
1,1,1-Trichloroethane	0.0500	0.0442		mg/Kg		88	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0473		mg/Kg		95	62 - 140
1,1,2-Trichloroethane	0.0500	0.0481		mg/Kg		96	71 - 130
1,1-Dichloroethane	0.0500	0.0451		mg/Kg		90	70 - 125
1,1-Dichloroethene	0.0500	0.0470		mg/Kg		94	67 - 122
1,1-Dichloropropene	0.0500	0.0458		mg/Kg		92	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0502		mg/Kg		100	51 - 145
1,2,3-Trichloropropane	0.0500	0.0487		mg/Kg		97	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0492		mg/Kg		98	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0453		mg/Kg		91	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0472		mg/Kg		94	56 - 123
1,2-Dibromoethane	0.0500	0.0485		mg/Kg		97	70 - 125
1,2-Dichlorobenzene	0.0500	0.0483		mg/Kg		97	70 - 125
1,2-Dichloroethane	0.0500	0.0468		mg/Kg		94	68 - 127
1,2-Dichloropropane	0.0500	0.0461		mg/Kg		92	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0460		mg/Kg		92	70 - 123
1,3-Dichlorobenzene	0.0500	0.0480		mg/Kg		96	70 - 125
1,3-Dichloropropane	0.0500	0.0473		mg/Kg		95	62 - 136
1,4-Dichlorobenzene	0.0500	0.0476		mg/Kg		95	70 - 120
2,2-Dichloropropane	0.0500	0.0419		mg/Kg		84	58 - 139
2-Chlorotoluene	0.0500	0.0455		mg/Kg		91	70 - 125
4-Chlorotoluene	0.0500	0.0457		mg/Kg		91	68 - 124
Benzene	0.0500	0.0466		mg/Kg		93	70 - 120
Bromobenzene	0.0500	0.0495		mg/Kg		99	70 - 122
Bromochloromethane	0.0500	0.0476		mg/Kg		95	65 - 122
Bromodichloromethane	0.0500	0.0451		mg/Kg		90	69 - 120
Bromoform	0.0500	0.0481		mg/Kg		96	56 - 132
Bromomethane	0.0500	0.0516		mg/Kg		103	40 - 152
Carbon tetrachloride	0.0500	0.0441		mg/Kg		88	59 - 133
Chlorobenzene	0.0500	0.0465		mg/Kg		93	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-592700/4
Matrix: Solid
Analysis Batch: 592700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	0.0500	0.0542		mg/Kg		108	48 - 136
Chloroform	0.0500	0.0449		mg/Kg		90	70 - 120
Chloromethane	0.0500	0.0449		mg/Kg		90	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0445		mg/Kg		89	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0452		mg/Kg		90	64 - 127
Dibromochloromethane	0.0500	0.0461		mg/Kg		92	68 - 125
Dibromomethane	0.0500	0.0470		mg/Kg		94	70 - 120
Dichlorodifluoromethane	0.0500	0.0390		mg/Kg		78	40 - 159
Ethylbenzene	0.0500	0.0451		mg/Kg		90	70 - 123
Hexachlorobutadiene	0.0500	0.0533		mg/Kg		107	51 - 150
Isopropylbenzene	0.0500	0.0463		mg/Kg		93	70 - 126
Methyl tert-butyl ether	0.0500	0.0441		mg/Kg		88	55 - 123
Methylene Chloride	0.0500	0.0482		mg/Kg		96	69 - 125
Naphthalene	0.0500	0.0497		mg/Kg		99	53 - 144
n-Butylbenzene	0.0500	0.0461		mg/Kg		92	68 - 125
N-Propylbenzene	0.0500	0.0468		mg/Kg		94	69 - 127
p-Isopropyltoluene	0.0500	0.0466		mg/Kg		93	70 - 125
sec-Butylbenzene	0.0500	0.0467		mg/Kg		93	70 - 123
Styrene	0.0500	0.0457		mg/Kg		91	70 - 120
tert-Butylbenzene	0.0500	0.0468		mg/Kg		94	70 - 121
Tetrachloroethene	0.0500	0.0503		mg/Kg		101	70 - 128
Toluene	0.0500	0.0456		mg/Kg		91	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0465		mg/Kg		93	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0439		mg/Kg		88	62 - 128
Trichloroethene	0.0500	0.0492		mg/Kg		98	70 - 125
Trichlorofluoromethane	0.0500	0.0474		mg/Kg		95	55 - 128
Vinyl chloride	0.0500	0.0457		mg/Kg		91	64 - 126
Xylenes, Total	0.100	0.0873		mg/Kg		87	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-592039/1-A
Matrix: Solid
Analysis Batch: 592199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		04/07/21 07:51	04/08/21 08:47	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		04/07/21 07:51	04/08/21 08:47	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		49 - 129	04/07/21 07:51	04/08/21 08:47	1
DCB Decachlorobiphenyl	96		37 - 121	04/07/21 07:51	04/08/21 08:47	1

Lab Sample ID: LCS 500-592039/2-A
Matrix: Solid
Analysis Batch: 592199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592039

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.167	0.155		mg/Kg		93	57 - 120		
PCB-1260			0.167	0.153		mg/Kg		92	61 - 125		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	92		49 - 129
DCB Decachlorobiphenyl	106		37 - 121

Lab Sample ID: 500-197099-1 MS
Matrix: Solid
Analysis Batch: 592199

Client Sample ID: WB-Int-9 (0.5'-1.5')
Prep Type: Total/NA
Prep Batch: 592039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	<0.0066		0.189	0.175		mg/Kg	☼	93	57 - 120		
PCB-1260	<0.0092		0.189	0.184		mg/Kg	☼	97	61 - 125		

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	101		49 - 129
DCB Decachlorobiphenyl	127	S1+	37 - 121

Lab Sample ID: 500-197099-1 MSD
Matrix: Solid
Analysis Batch: 592199

Client Sample ID: WB-Int-9 (0.5'-1.5')
Prep Type: Total/NA
Prep Batch: 592039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<0.0066		0.187	0.155		mg/Kg	☼	83	57 - 120	12	30
PCB-1260	<0.0092		0.187	0.157		mg/Kg	☼	84	61 - 125	16	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	92		49 - 129
DCB Decachlorobiphenyl	109		37 - 121

Client Sample ID: WB-Int-9 (0.5'-1.5')
Lab Sample ID: 500-197099-1
Date Collected: 04/02/21 14:40
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-9 (0.5'-1.5')
Lab Sample ID: 500-197099-1
Date Collected: 04/02/21 14:40
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 14:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 16:37	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 09:18	JBJ	TAL CHI

Client Sample ID: WB-Int-10 (0.5'-1.5')
Lab Sample ID: 500-197099-2
Date Collected: 04/02/21 11:40
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-10 (0.5'-1.5')
Lab Sample ID: 500-197099-2
Date Collected: 04/02/21 11:40
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 11:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 17:05	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 10:04	JBJ	TAL CHI

Client Sample ID: WB-Int-11 (0.5'-1.5')
Lab Sample ID: 500-197099-3
Date Collected: 04/02/21 12:25
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-11 (0.5'-1.5')
Lab Sample ID: 500-197099-3
Date Collected: 04/02/21 12:25
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 12:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 17:33	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 10:20	JBJ	TAL CHI

Client Sample ID: WB-Int-12 (0.5'-1.5')
Lab Sample ID: 500-197099-4
Date Collected: 04/02/21 12:55
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-12 (0.5'-1.5')
Lab Sample ID: 500-197099-4
Date Collected: 04/02/21 12:55
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 12:55	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 18:00	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 10:35	JBJ	TAL CHI

Client Sample ID: WB-Int-13 (0.5'-1.5')
Lab Sample ID: 500-197099-5
Date Collected: 04/02/21 13:05
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-13 (0.5'-1.5')
Lab Sample ID: 500-197099-5
Date Collected: 04/02/21 13:05
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 13:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 18:28	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 10:51	JBJ	TAL CHI

Client Sample ID: WB-Int-14 (0.5'-1.5')
Lab Sample ID: 500-197099-6
Date Collected: 04/02/21 13:15
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-14 (0.5'-1.5')
Lab Sample ID: 500-197099-6
Date Collected: 04/02/21 13:15
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 13:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592413	04/09/21 18:56	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 11:06	JBJ	TAL CHI

Client Sample ID: WB-Int-15 (0.5'-1.5')
Lab Sample ID: 500-197099-7
Date Collected: 04/02/21 13:25
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-15 (0.5'-1.5')
Lab Sample ID: 500-197099-7
Date Collected: 04/02/21 13:25
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 13:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 11:24	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 11:22	JBJ	TAL CHI

Client Sample ID: WB-Int-16 (0.5'-1.5')
Lab Sample ID: 500-197099-8
Date Collected: 04/02/21 13:50
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-16 (0.5'-1.5')
Lab Sample ID: 500-197099-8
Date Collected: 04/02/21 13:50
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 13:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 11:51	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		10	592199	04/08/21 11:37	JBJ	TAL CHI

Client Sample ID: WB-Int-17 (0.5'-1.5')
Lab Sample ID: 500-197099-9
Date Collected: 04/02/21 14:20
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-17 (0.5'-1.5')
Lab Sample ID: 500-197099-9
Date Collected: 04/02/21 14:20
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/02/21 14:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 12:17	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		5	592199	04/08/21 11:53	JBJ	TAL CHI

Client Sample ID: WB-Int-1 (0.5'-1.5')
Lab Sample ID: 500-197099-10
Date Collected: 04/05/21 14:15
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-1 (0.5'-1.5')
Lab Sample ID: 500-197099-10
Date Collected: 04/05/21 14:15
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 14:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 12:44	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 12:08	JBJ	TAL CHI

Client Sample ID: WB-Int-2 (0.5'-1.5')
Lab Sample ID: 500-197099-11
Date Collected: 04/05/21 14:00
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-2 (0.5'-1.5')
Lab Sample ID: 500-197099-11
Date Collected: 04/05/21 14:00
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 14:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 13:11	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 12:24	JBJ	TAL CHI

Client Sample ID: WB-Int-3 (0.5'-1.5')
Lab Sample ID: 500-197099-12
Date Collected: 04/05/21 13:40
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-3 (0.5'-1.5')
Lab Sample ID: 500-197099-12
Date Collected: 04/05/21 13:40
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 13:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 13:37	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 12:39	JBJ	TAL CHI

Client Sample ID: WB-Int-4 (0.5'-1.5')
Lab Sample ID: 500-197099-13
Date Collected: 04/05/21 13:05
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-4 (0.5'-1.5')
Lab Sample ID: 500-197099-13
Date Collected: 04/05/21 13:05
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 13:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 14:04	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 12:54	JBJ	TAL CHI

Client Sample ID: WB-Int-5 (0.5'-1.5')
Lab Sample ID: 500-197099-14
Date Collected: 04/05/21 12:50
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-5 (0.5'-1.5')
Lab Sample ID: 500-197099-14
Date Collected: 04/05/21 12:50
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 12:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 14:31	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 13:10	JBJ	TAL CHI

Client Sample ID: WB-Int-6 (0.5'-1.5')
Lab Sample ID: 500-197099-15
Date Collected: 04/05/21 11:40
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-6 (0.5'-1.5')
Lab Sample ID: 500-197099-15
Date Collected: 04/05/21 11:40
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 11:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 14:58	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 13:25	JBJ	TAL CHI

Client Sample ID: WB-Int-7 (0.5'-1.5')
Lab Sample ID: 500-197099-16
Date Collected: 04/05/21 11:00
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-7 (0.5'-1.5')
Lab Sample ID: 500-197099-16
Date Collected: 04/05/21 11:00
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 11:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 15:24	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 13:41	JBJ	TAL CHI

Client Sample ID: WB-Int-8 (0.5'-1.5')
Lab Sample ID: 500-197099-17
Date Collected: 04/05/21 11:20
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	593365	04/15/21 07:45	LWN	TAL CHI

Client Sample ID: WB-Int-8 (0.5'-1.5')
Lab Sample ID: 500-197099-17
Date Collected: 04/05/21 11:20
Matrix: Solid
Date Received: 04/06/21 08:40
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 11:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 15:51	PMF	TAL CHI
Total/NA	Prep	3541			592039	04/07/21 07:51	BSO	TAL CHI
Total/NA	Analysis	8082A		1	592199	04/08/21 13:56	JBJ	TAL CHI

Client Sample ID: TB
Lab Sample ID: 500-197099-18
Date Collected: 04/05/21 00:00
Matrix: Solid
Date Received: 04/06/21 08:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			591989	04/05/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592700	04/12/21 10:57	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197099-1
Project/Site: Community Within the Corridor - 40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultar

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-197099

500-197099 COC

Sample Collector(s)	Title	Telephone # (incl area code)	Report To
Kyle Vander Heiden	Staff Geologist	(262) 821 1171	Kyle Vander Heiden & Robert Reineke
Property Owner	**Property Address**	**Telephone # (incl area code)**	**KSingh Project #**
Community Within the Corridor Limited Partnership	2727 N 32nd Street, Milwaukee WI 53210	N/A	40443

I hereby certify that I received properly and disposed of the samples as noted below:

Laboratory Name **TestAmerica**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank: 5.2 – 4.4
	4/5/2021 @ 0900		If samples were received on ice and there was ice remaining you may report the temperature as received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	4-5-21 1700	4/6/21 1020	

1 Specify groundwater (GW) soil (S), air (A), sludge (SL) surface water (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

	Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	VOCs	PCBs									Sample Condition # / Type of Container MeOH		--	Unpres	Other Comment
1	4/2/2021	14.40	S	H.A	WB-Int-9 (0 5 1 5)	x	x									1			2	
2	4/2/2021	11.40	S	H.A	WB-Int-10 (0 5 1 5')	x	x									1			2	
3	4/2/2021	12 25	S	H A	WB-Int 11 (0 5 1 5)	x	x									1			2	
4	4/2/2021	12 55	S	H A	WB-Int-12 (0 5 -1 5')	x	x									1			2	
5	4/2/2021	13 05	S	H.A	WB-Int 13 (0 5 1 5')	x	x									1			2	
6	4/2/2021	13 15	S	H A	WB-Int 14 (0 5 1 5)	x	x									1			2	
7	4/2/2021	13 25	S	H.A	WB Int-15 (0 5 1 5')	x	x									1			2	
8	4/2/2021	13 50	S	H.A	WB-Int 16 (0 5 1 5)	x	x									1			2	
9	4/2/2021	14 20	S	H A.	WB-Int-17 (0 5'-1 5)	x	x									1			2	

NOTE(S)

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[x] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By:
Accepted [ ] Y [ ] N
Signature

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-197099

Sample Collector(s)	Title	Telephone # (incl area code)	Report To
Kyle Vander Heiden	Staff Geologist	(262) 821 1171	Kyle Vander Heiden & Robert Reineke
Property Owner	**Property Address**	**Telephone # (incl area code)**	**KSingh Project #**
Community Within the Corridor Limited Partnership	2727 N 32nd Street Milwaukee WI 53210	N/A	40443
I hereby certify that I received, properly and disposed of the samples as noted below		Laboratory Name **TestAmerica**	
Relinquished By (Signature)	Date/Time 4/5/21 @ 1545	Received By (Signature)	Temperature Blank: If samples were received on ice and there was ice remaining you may report the temperature as received on ice If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time 4-5-21 1700	Received By (Signature) 4/6/21 1020	

1 Specify groundwater (GW) soil (S) air (A) sludge (SL) surface water (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

	Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	VOCs	PCBs	Sample Condition # / Type of Container MeOH	--	--	Unpres	Other Comment
10	4/5/2021	14 15	S	H A	WB-Int 1 (0 5' 1 5)	x	x	1			2	
11	4/5/2021	14:00	S	H A.	WB Int-2 (0 5 1 5)	x	x	1			2	
12	4/5/2021	13.40	S	H A.	WB-Int-3 (0 5 1 5)	x	x	1			2	
13	4/5/2021	13 05	S	H.A	WB-Int-4 (0 5 1 5)	x	x	1			2	
14	4/5/2021	12 50	S	H.A	WB-Int 5 (0 5 1 5')	x	x	1			2	
15	4/5/2021	11 40	S	H.A	WB-Int-6 (0 5 1 5')	x	x	1			2	
16	4/5/2021	11:00	S	H A	WB-Int 7 (0 5 1 5)	x	x	1			2	
17	4/5/2021	11:20	S	H A	WB-Int-8 (0 5 1 5)	x	x	1			2	
18	4/5/2021		S		TB	x		1				

NOTE(S)

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[x] Dispose [ ] Return [ ] Retain for [ ] Other
_____ (days)

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By
Accepted [ ] Y [ ] N
Signature

4/15/2021

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-197099-1

Login Number: 197099
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-195567-1
Client Project/Site: Community Within the Corridor - 40420

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Jodie Bracken

Authorized for release by:
3/10/2021 1:04:31 PM
Jodie Bracken, Project Management Assistant II
Jodie.Bracken@Eurofinset.com

Designee for

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-195567-1

Comments
No additional comments.

Receipt
The samples were received on 3/4/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were -0.6º C and 0.1º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 500-587481 and analytical batch 500-587569 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The following sample was reported from the primary column due to PCB-1260 and Tetrachloro-m-xylene recovering outside control limits for the continuing calibration verification (CCV) on the secondary column; therefore, the higher of the two results have been reported.
(CCVIS 500-587587/1)

Method 8082A: The following sample(s) contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1242: WB-RTS-1 (500-195567-1).

Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following Continuing Calibration Verification (CCVIS) was outside control limits: (CCVIS 500-587587/1). The other surrogate was within limits; therefore, re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-RTS-1
Lab Sample ID: 500-195567-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.027		0.017	0.0097	mg/Kg	50	☼	8260B	Total/NA
Trichloroethene	0.019	J	0.033	0.011	mg/Kg	50	☼	8260B	Total/NA
1-Methylnaphthalene	0.018	J	0.079	0.0096	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.022	J	0.079	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.021	J	0.039	0.0053	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.020	J	0.039	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.030	J	0.039	0.0085	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.015	J F1	0.039	0.013	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.034	J	0.039	0.011	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.044		0.039	0.0073	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.017	J F1	0.039	0.010	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.014	J	0.039	0.0060	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.052		0.039	0.0055	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.041		0.039	0.0078	mg/Kg	1	☼	8270D	Total/NA
PCB-1242	0.071		0.020	0.0064	mg/Kg	1	☼	8082A	Total/NA
Arsenic	5.5		1.2	0.40	mg/Kg	1	☼	6010B	Total/NA
Barium	69		1.2	0.13	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.31		0.23	0.042	mg/Kg	1	☼	6010B	Total/NA
Chromium	15		1.2	0.57	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.58	0.27	mg/Kg	1	☼	6010B	Total/NA
Silver	0.27	J	0.58	0.15	mg/Kg	1	☼	6010B	Total/NA
Mercury	0.049		0.019	0.0062	mg/Kg	1	☼	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7471A	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7471A	Preparation, Mercury	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-195567-1	WB-RTS-1	Solid	03/03/21 14:30	03/04/21 10:00	

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-RTS-1
Lab Sample ID: 500-195567-1
Date Collected: 03/03/21 14:30
Matrix: Solid
Date Received: 03/04/21 10:00
Percent Solids: 84.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.031		0.066	0.031	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2,4-Trichlorobenzene	<0.023		0.066	0.023	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2,4-Trimethylbenzene	<0.024		0.066	0.024	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2-Dibromoethane	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,3-Dichlorobenzene	<0.027		0.066	0.027	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Benzene	<0.0097		0.017	0.0097	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Bromobenzene	<0.024		0.066	0.024	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Bromodichloromethane	<0.025		0.066	0.025	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Bromoform	<0.032		0.066	0.032	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Bromomethane	<0.053		0.20	0.053	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Chlorobenzene	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Chloroethane	<0.033		0.066	0.033	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Chloroform	<0.025		0.13	0.025	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
cis-1,3-Dichloropropene	<0.028		0.066	0.028	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Dibromochloromethane	<0.032		0.066	0.032	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Dichlorodifluoromethane	<0.045		0.20	0.045	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Ethylbenzene	<0.012		0.017	0.012	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Hexachlorobutadiene	<0.030		0.066	0.030	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Methyl tert-butyl ether	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Methylene Chloride	<0.11		0.33	0.11	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
n-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50

Client Sample ID: WB-RTS-1
Date Collected: 03/03/21 14:30
Date Received: 03/04/21 10:00

Lab Sample ID: 500-195567-1
Matrix: Solid
Percent Solids: 84.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Styrene	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Tetrachloroethene	<0.025		0.066	0.025	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Toluene	**0.027**		0.017	0.0097	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Trichloroethene	**0.019**	**J**	0.033	0.011	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50
Xylenes, Total	<0.015		0.033	0.015	mg/Kg	☼	03/03/21 14:30	03/09/21 16:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*	*03/03/21 14:30*	*03/09/21 16:47*	*50*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*	*03/03/21 14:30*	*03/09/21 16:47*	*50*
Dibromofluoromethane (Surr)	*94*		*75 - 120*	*03/03/21 14:30*	*03/09/21 16:47*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*03/03/21 14:30*	*03/09/21 16:47*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**0.018**	**J**	0.079	0.0096	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
2-Methylnaphthalene	**0.022**	**J**	0.079	0.0072	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Anthracene	<0.0066		0.039	0.0066	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Benzo[a]anthracene	**0.021**	**J**	0.039	0.0053	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Benzo[a]pyrene	**0.020**	**J**	0.039	0.0076	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Benzo[b]fluoranthene	**0.030**	**J**	0.039	0.0085	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Benzo[g,h,i]perylene	**0.015**	**J F1**	0.039	0.013	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Chrysene	**0.034**	**J**	0.039	0.011	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Dibenz(a,h)anthracene	<0.0076		0.039	0.0076	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Fluoranthene	**0.044**		0.039	0.0073	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Fluorene	<0.0055		0.039	0.0055	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Indeno[1,2,3-cd]pyrene	**0.017**	**J F1**	0.039	0.010	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Naphthalene	**0.014**	**J**	0.039	0.0060	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Phenanthrene	**0.052**		0.039	0.0055	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1
Pyrene	**0.041**		0.039	0.0078	mg/Kg	☼	03/05/21 16:38	03/08/21 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*43 - 145*	*03/05/21 16:38*	*03/08/21 11:39*	*1*
Nitrobenzene-d5 (Surr)	*81*		*37 - 147*	*03/05/21 16:38*	*03/08/21 11:39*	*1*
Terphenyl-d14 (Surr)	*83*		*42 - 157*	*03/05/21 16:38*	*03/08/21 11:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0069		0.020	0.0069	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1
PCB-1221	<0.0086		0.020	0.0086	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1
PCB-1232	<0.0085		0.020	0.0085	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1
PCB-1242	**0.071**		0.020	0.0064	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1

Client Sample ID: WB-RTS-1
Lab Sample ID: 500-195567-1

Date Collected: 03/03/21 14:30
Matrix: Solid

Date Received: 03/04/21 10:00
Percent Solids: 84.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0077		0.020	0.0077	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1
PCB-1254	<0.0042		0.020	0.0042	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1
PCB-1260	<0.0096		0.020	0.0096	mg/Kg	☼	03/05/21 17:01	03/08/21 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*49 - 129*	*03/05/21 17:01*	*03/08/21 11:19*	*1*
DCB Decachlorobiphenyl	*72*		*37 - 121*	*03/05/21 17:01*	*03/08/21 11:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.5**		1.2	0.40	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Barium	**69**		1.2	0.13	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Cadmium	**0.31**		0.23	0.042	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Chromium	**15**		1.2	0.57	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Lead	**14**		0.58	0.27	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Selenium	<0.68		1.2	0.68	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1
Silver	**0.27**	**J**	0.58	0.15	mg/Kg	☼	03/05/21 06:41	03/05/21 20:17	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.049**		0.019	0.0062	mg/Kg	☼	03/09/21 13:20	03/10/21 08:52	1

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

GC/MS VOA

Prep Batch: 587361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	5035	
LB3 500-587361/6-A	Method Blank	Total/NA	Solid	5035	
LCS 500-587361/7-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 587741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-587361/6-A	Method Blank	Total/NA	Solid	8260B	587361
MB 500-587741/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-587361/7-A	Lab Control Sample	Total/NA	Solid	8260B	587361
LCS 500-587741/5	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 587750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	8260B	587361
MB 500-587750/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-587750/5	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 587481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	3541	
MB 500-587481/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-587481/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-195567-1 MS	WB-RTS-1	Total/NA	Solid	3541	
500-195567-1 MSD	WB-RTS-1	Total/NA	Solid	3541	

Analysis Batch: 587569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	8270D	587481
MB 500-587481/1-A	Method Blank	Total/NA	Solid	8270D	587481
LCS 500-587481/2-A	Lab Control Sample	Total/NA	Solid	8270D	587481
500-195567-1 MS	WB-RTS-1	Total/NA	Solid	8270D	587481
500-195567-1 MSD	WB-RTS-1	Total/NA	Solid	8270D	587481

GC Semi VOA

Prep Batch: 587482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	3541	
MB 500-587482/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-587482/3-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 587587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	8082A	587482
MB 500-587482/1-A	Method Blank	Total/NA	Solid	8082A	587482
LCS 500-587482/3-A	Lab Control Sample	Total/NA	Solid	8082A	587482

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Metals

Prep Batch: 587371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	3050B	
MB 500-587371/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-587371/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 587559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	6010B	587371
MB 500-587371/1-A	Method Blank	Total/NA	Solid	6010B	587371
LCS 500-587371/2-A	Lab Control Sample	Total/NA	Solid	6010B	587371

Prep Batch: 587775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	7471A	
MB 500-587775/12-A	Method Blank	Total/NA	Solid	7471A	
LCS 500-587775/13-A	Lab Control Sample	Total/NA	Solid	7471A	

Analysis Batch: 587968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	7471A	587775
MB 500-587775/12-A	Method Blank	Total/NA	Solid	7471A	587775
LCS 500-587775/13-A	Lab Control Sample	Total/NA	Solid	7471A	587775

General Chemistry

Analysis Batch: 587279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-195567-1	WB-RTS-1	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40420

Job ID: 500-195567-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-195567-1	WB-RTS-1	106	95	94	97
LB3 500-587361/6-A	Method Blank	85	106	91	100
LCS 500-587361/7-A	Lab Control Sample	79	101	91	104
LCS 500-587741/5	Lab Control Sample	82	100	92	102
LCS 500-587750/5	Lab Control Sample	100	96	96	100
MB 500-587741/7	Method Blank	84	116	94	104
MB 500-587750/7	Method Blank	103	99	96	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(43-145)	(37-147)	(42-157)
500-195567-1	WB-RTS-1	82	81	83
500-195567-1 MS	WB-RTS-1	86	91	92
500-195567-1 MSD	WB-RTS-1	88	95	93
LCS 500-587481/2-A	Lab Control Sample	89	93	97
MB 500-587481/1-A	Method Blank	85	84	92

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-195567-1	WB-RTS-1	74	72
LCS 500-587482/3-A	Lab Control Sample	71	73
MB 500-587482/1-A	Method Blank	63	62

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-587361/6-A
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587361

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-587361/6-A
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587361

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/04/21 22:20	03/09/21 13:23	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/04/21 22:20	03/09/21 13:23	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 126*	*03/04/21 22:20*	*03/09/21 13:23*	*50*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*	*03/04/21 22:20*	*03/09/21 13:23*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*03/04/21 22:20*	*03/09/21 13:23*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*03/04/21 22:20*	*03/09/21 13:23*	*50*

Lab Sample ID: LCS 500-587361/7-A
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.47		mg/Kg		99	70 - 125
1,1,1-Trichloroethane	2.50	2.53		mg/Kg		101	70 - 125
1,1,2,2-Tetrachloroethane	2.50	2.41		mg/Kg		97	62 - 140
1,1,2-Trichloroethane	2.50	2.39		mg/Kg		95	71 - 130
1,1-Dichloroethane	2.50	2.15		mg/Kg		86	70 - 125
1,1-Dichloroethene	2.50	2.19		mg/Kg		88	67 - 122
1,1-Dichloropropene	2.50	2.51		mg/Kg		101	70 - 121
1,2,3-Trichlorobenzene	2.50	2.39		mg/Kg		96	51 - 145
1,2,3-Trichloropropane	2.50	2.33		mg/Kg		93	50 - 133
1,2,4-Trichlorobenzene	2.50	2.53		mg/Kg		101	57 - 137
1,2,4-Trimethylbenzene	2.50	2.58		mg/Kg		103	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.85		mg/Kg		74	56 - 123
1,2-Dibromoethane	2.50	2.40		mg/Kg		96	70 - 125
1,2-Dichlorobenzene	2.50	2.45		mg/Kg		98	70 - 125
1,2-Dichloroethane	2.50	2.04		mg/Kg		82	68 - 127
1,2-Dichloropropane	2.50	2.25		mg/Kg		90	67 - 130
1,3,5-Trimethylbenzene	2.50	2.63		mg/Kg		105	70 - 123
1,3-Dichlorobenzene	2.50	2.59		mg/Kg		104	70 - 125
1,3-Dichloropropane	2.50	2.42		mg/Kg		97	62 - 136
1,4-Dichlorobenzene	2.50	2.50		mg/Kg		100	70 - 120
2,2-Dichloropropane	2.50	2.50		mg/Kg		100	58 - 139
2-Chlorotoluene	2.50	2.60		mg/Kg		104	70 - 125
4-Chlorotoluene	2.50	2.53		mg/Kg		101	68 - 124
Benzene	2.50	2.40		mg/Kg		96	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-587361/7-A
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.60		mg/Kg		104	70 - 122
Bromochloromethane	2.50	2.44		mg/Kg		97	65 - 122
Bromodichloromethane	2.50	2.26		mg/Kg		90	69 - 120
Bromoform	2.50	2.26		mg/Kg		90	56 - 132
Bromomethane	2.50	1.49		mg/Kg		60	40 - 152
Carbon tetrachloride	2.50	2.27		mg/Kg		91	59 - 133
Chlorobenzene	2.50	2.61		mg/Kg		104	70 - 120
Chloroethane	2.50	1.97		mg/Kg		79	48 - 136
Chloroform	2.50	2.26		mg/Kg		91	70 - 120
Chloromethane	2.50	1.44		mg/Kg		58	56 - 152
cis-1,2-Dichloroethene	2.50	2.41		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	2.50	2.38		mg/Kg		95	64 - 127
Dibromochloromethane	2.50	2.38		mg/Kg		95	68 - 125
Dibromomethane	2.50	2.26		mg/Kg		90	70 - 120
Dichlorodifluoromethane	2.50	1.20		mg/Kg		48	40 - 159
Ethylbenzene	2.50	2.80		mg/Kg		112	70 - 123
Hexachlorobutadiene	2.50	2.80		mg/Kg		112	51 - 150
Isopropylbenzene	2.50	2.77		mg/Kg		111	70 - 126
Methyl tert-butyl ether	2.50	2.04		mg/Kg		82	55 - 123
Methylene Chloride	2.50	2.20		mg/Kg		88	69 - 125
Naphthalene	2.50	2.23		mg/Kg		89	53 - 144
n-Butylbenzene	2.50	2.67		mg/Kg		107	68 - 125
N-Propylbenzene	2.50	2.67		mg/Kg		107	69 - 127
p-Isopropyltoluene	2.50	2.68		mg/Kg		107	70 - 125
sec-Butylbenzene	2.50	2.71		mg/Kg		109	70 - 123
Styrene	2.50	2.52		mg/Kg		101	70 - 120
tert-Butylbenzene	2.50	2.69		mg/Kg		108	70 - 121
Tetrachloroethene	2.50	2.86		mg/Kg		114	70 - 128
Toluene	2.50	2.63		mg/Kg		105	70 - 125
trans-1,2-Dichloroethene	2.50	2.41		mg/Kg		96	70 - 125
trans-1,3-Dichloropropene	2.50	2.20		mg/Kg		88	62 - 128
Trichloroethene	2.50	2.61		mg/Kg		104	70 - 125
Trichlorofluoromethane	2.50	2.05		mg/Kg		82	55 - 128
Vinyl chloride	2.50	1.73		mg/Kg		69	64 - 126
Xylenes, Total	5.00	4.98		mg/Kg		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*79*		*75 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*
Dibromofluoromethane (Surr)	*91*		*75 - 120*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: MB 500-587741/7
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 12:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-587741/7
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/09/21 12:33	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 12:33	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/09/21 12:33	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/09/21 12:33	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/09/21 12:33	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 12:33	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/09/21 12:33	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/09/21 12:33	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 12:33	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 12:33	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/09/21 12:33	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/09/21 12:33	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/09/21 12:33	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/09/21 12:33	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/09/21 12:33	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/09/21 12:33	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/09/21 12:33	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/09/21 12:33	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/09/21 12:33	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/09/21 12:33	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/09/21 12:33	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/09/21 12:33	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 12:33	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/09/21 12:33	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 12:33	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 12:33	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-587741/7
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 12:33	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 12:33	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 12:33	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 12:33	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 12:33	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 12:33	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/09/21 12:33	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 12:33	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/09/21 12:33	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/09/21 12:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*		*03/09/21 12:33*	*1*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*		*03/09/21 12:33*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 120*		*03/09/21 12:33*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*03/09/21 12:33*	*1*

Lab Sample ID: LCS 500-587741/5
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0498		mg/Kg		100	70 - 125
1,1,1-Trichloroethane	0.0500	0.0514		mg/Kg		103	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0463		mg/Kg		93	62 - 140
1,1,2-Trichloroethane	0.0500	0.0462		mg/Kg		92	71 - 130
1,1-Dichloroethane	0.0500	0.0428		mg/Kg		86	70 - 125
1,1-Dichloroethene	0.0500	0.0467		mg/Kg		93	67 - 122
1,1-Dichloropropene	0.0500	0.0492		mg/Kg		98	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0407		mg/Kg		81	51 - 145
1,2,3-Trichloropropane	0.0500	0.0446		mg/Kg		89	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0439		mg/Kg		88	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0491		mg/Kg		98	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0361		mg/Kg		72	56 - 123
1,2-Dibromoethane	0.0500	0.0461		mg/Kg		92	70 - 125
1,2-Dichlorobenzene	0.0500	0.0478		mg/Kg		96	70 - 125
1,2-Dichloroethane	0.0500	0.0410		mg/Kg		82	68 - 127
1,2-Dichloropropane	0.0500	0.0439		mg/Kg		88	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0499		mg/Kg		100	70 - 123
1,3-Dichlorobenzene	0.0500	0.0499		mg/Kg		100	70 - 125
1,3-Dichloropropane	0.0500	0.0461		mg/Kg		92	62 - 136
1,4-Dichlorobenzene	0.0500	0.0479		mg/Kg		96	70 - 120
2,2-Dichloropropane	0.0500	0.0548		mg/Kg		110	58 - 139
2-Chlorotoluene	0.0500	0.0496		mg/Kg		99	70 - 125
4-Chlorotoluene	0.0500	0.0473		mg/Kg		95	68 - 124
Benzene	0.0500	0.0471		mg/Kg		94	70 - 120
Bromobenzene	0.0500	0.0491		mg/Kg		98	70 - 122
Bromochloromethane	0.0500	0.0501		mg/Kg		100	65 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-587741/5
Matrix: Solid
Analysis Batch: 587741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	0.0500	0.0459		mg/Kg		92	69 - 120
Bromoform	0.0500	0.0471		mg/Kg		94	56 - 132
Bromomethane	0.0500	0.0549		mg/Kg		110	40 - 152
Carbon tetrachloride	0.0500	0.0469		mg/Kg		94	59 - 133
Chlorobenzene	0.0500	0.0503		mg/Kg		101	70 - 120
Chloroethane	0.0500	0.0465		mg/Kg		93	48 - 136
Chloroform	0.0500	0.0448		mg/Kg		90	70 - 120
Chloromethane	0.0500	0.0388		mg/Kg		78	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0478		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0466		mg/Kg		93	64 - 127
Dibromochloromethane	0.0500	0.0481		mg/Kg		96	68 - 125
Dibromomethane	0.0500	0.0450		mg/Kg		90	70 - 120
Dichlorodifluoromethane	0.0500	0.0471		mg/Kg		94	40 - 159
Ethylbenzene	0.0500	0.0529		mg/Kg		106	70 - 123
Hexachlorobutadiene	0.0500	0.0489		mg/Kg		98	51 - 150
Isopropylbenzene	0.0500	0.0528		mg/Kg		106	70 - 126
Methyl tert-butyl ether	0.0500	0.0412		mg/Kg		82	55 - 123
Methylene Chloride	0.0500	0.0453		mg/Kg		91	69 - 125
Naphthalene	0.0500	0.0388		mg/Kg		78	53 - 144
n-Butylbenzene	0.0500	0.0498		mg/Kg		100	68 - 125
N-Propylbenzene	0.0500	0.0502		mg/Kg		100	69 - 127
p-Isopropyltoluene	0.0500	0.0509		mg/Kg		102	70 - 125
sec-Butylbenzene	0.0500	0.0516		mg/Kg		103	70 - 123
Styrene	0.0500	0.0484		mg/Kg		97	70 - 120
tert-Butylbenzene	0.0500	0.0511		mg/Kg		102	70 - 121
Tetrachloroethene	0.0500	0.0549		mg/Kg		110	70 - 128
Toluene	0.0500	0.0502		mg/Kg		100	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0499		mg/Kg		100	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0428		mg/Kg		86	62 - 128
Trichloroethene	0.0500	0.0511		mg/Kg		102	70 - 125
Trichlorofluoromethane	0.0500	0.0459		mg/Kg		92	55 - 128
Vinyl chloride	0.0500	0.0448		mg/Kg		90	64 - 126
Xylenes, Total	0.100	0.0956		mg/Kg		96	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Dibromofluoromethane (Surr)	*92*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Lab Sample ID: MB 500-587750/7
Matrix: Solid
Analysis Batch: 587750

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 11:50	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 11:50	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 11:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-587750/7
Matrix: Solid
Analysis Batch: 587750

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 11:50	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 11:50	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/09/21 11:50	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/09/21 11:50	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/09/21 11:50	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/09/21 11:50	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/09/21 11:50	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 11:50	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 11:50	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 11:50	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 11:50	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/09/21 11:50	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/09/21 11:50	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 11:50	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 11:50	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 11:50	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 11:50	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/09/21 11:50	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/09/21 11:50	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 11:50	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/09/21 11:50	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/09/21 11:50	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/09/21 11:50	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 11:50	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/09/21 11:50	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/09/21 11:50	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/09/21 11:50	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/09/21 11:50	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/09/21 11:50	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/09/21 11:50	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/09/21 11:50	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/09/21 11:50	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/09/21 11:50	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/09/21 11:50	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/09/21 11:50	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 11:50	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			03/09/21 11:50	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/09/21 11:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-587750/7
Matrix: Solid
Analysis Batch: 587750

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/09/21 11:50	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/09/21 11:50	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/09/21 11:50	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/09/21 11:50	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/09/21 11:50	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/09/21 11:50	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/09/21 11:50	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/09/21 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*03/09/21 11:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 124*		*03/09/21 11:50*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 120*		*03/09/21 11:50*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*03/09/21 11:50*	*1*

Lab Sample ID: LCS 500-587750/5
Matrix: Solid
Analysis Batch: 587750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0480		mg/Kg		96	70 - 125
1,1,1-Trichloroethane	0.0500	0.0483		mg/Kg		97	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0474		mg/Kg		95	62 - 140
1,1,2-Trichloroethane	0.0500	0.0487		mg/Kg		97	71 - 130
1,1-Dichloroethane	0.0500	0.0503		mg/Kg		101	70 - 125
1,1-Dichloroethene	0.0500	0.0486		mg/Kg		97	67 - 122
1,1-Dichloropropene	0.0500	0.0474		mg/Kg		95	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0507		mg/Kg		101	51 - 145
1,2,3-Trichloropropane	0.0500	0.0478		mg/Kg		96	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0492		mg/Kg		98	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0475		mg/Kg		95	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0367		mg/Kg		73	56 - 123
1,2-Dibromoethane	0.0500	0.0480		mg/Kg		96	70 - 125
1,2-Dichlorobenzene	0.0500	0.0456		mg/Kg		91	70 - 125
1,2-Dichloroethane	0.0500	0.0479		mg/Kg		96	68 - 127
1,2-Dichloropropane	0.0500	0.0504		mg/Kg		101	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0475		mg/Kg		95	70 - 123
1,3-Dichlorobenzene	0.0500	0.0472		mg/Kg		94	70 - 125
1,3-Dichloropropane	0.0500	0.0472		mg/Kg		94	62 - 136
1,4-Dichlorobenzene	0.0500	0.0465		mg/Kg		93	70 - 120
2,2-Dichloropropane	0.0500	0.0500		mg/Kg		100	58 - 139
2-Chlorotoluene	0.0500	0.0480		mg/Kg		96	70 - 125
4-Chlorotoluene	0.0500	0.0480		mg/Kg		96	68 - 124
Benzene	0.0500	0.0483		mg/Kg		97	70 - 120
Bromobenzene	0.0500	0.0482		mg/Kg		96	70 - 122
Bromochloromethane	0.0500	0.0468		mg/Kg		94	65 - 122
Bromodichloromethane	0.0500	0.0447		mg/Kg		89	69 - 120
Bromoform	0.0500	0.0433		mg/Kg		87	56 - 132

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-587750/5
Matrix: Solid
Analysis Batch: 587750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.0561		mg/Kg		112	40 - 152
Carbon tetrachloride	0.0500	0.0477		mg/Kg		95	59 - 133
Chlorobenzene	0.0500	0.0485		mg/Kg		97	70 - 120
Chloroethane	0.0500	0.0521		mg/Kg		104	48 - 136
Chloroform	0.0500	0.0447		mg/Kg		89	70 - 120
Chloromethane	0.0500	0.0520		mg/Kg		104	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0480		mg/Kg		96	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0459		mg/Kg		92	64 - 127
Dibromochloromethane	0.0500	0.0434		mg/Kg		87	68 - 125
Dibromomethane	0.0500	0.0479		mg/Kg		96	70 - 120
Dichlorodifluoromethane	0.0500	0.0554		mg/Kg		111	40 - 159
Ethylbenzene	0.0500	0.0489		mg/Kg		98	70 - 123
Hexachlorobutadiene	0.0500	0.0463		mg/Kg		93	51 - 150
Isopropylbenzene	0.0500	0.0492		mg/Kg		98	70 - 126
Methyl tert-butyl ether	0.0500	0.0431		mg/Kg		86	55 - 123
Methylene Chloride	0.0500	0.0475		mg/Kg		95	69 - 125
Naphthalene	0.0500	0.0456		mg/Kg		91	53 - 144
n-Butylbenzene	0.0500	0.0486		mg/Kg		97	68 - 125
N-Propylbenzene	0.0500	0.0489		mg/Kg		98	69 - 127
p-Isopropyltoluene	0.0500	0.0482		mg/Kg		96	70 - 125
sec-Butylbenzene	0.0500	0.0478		mg/Kg		96	70 - 123
Styrene	0.0500	0.0489		mg/Kg		98	70 - 120
tert-Butylbenzene	0.0500	0.0472		mg/Kg		94	70 - 121
Tetrachloroethene	0.0500	0.0494		mg/Kg		99	70 - 128
Toluene	0.0500	0.0497		mg/Kg		99	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0481		mg/Kg		96	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0441		mg/Kg		88	62 - 128
Trichloroethene	0.0500	0.0488		mg/Kg		98	70 - 125
Trichlorofluoromethane	0.0500	0.0464		mg/Kg		93	55 - 128
Vinyl chloride	0.0500	0.0561		mg/Kg		112	64 - 126
Xylenes, Total	0.100	0.0968		mg/Kg		97	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-587481/1-A
Matrix: Solid
Analysis Batch: 587569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		03/05/21 16:38	03/08/21 11:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-587481/1-A
Matrix: Solid
Analysis Batch: 587569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.0056		0.033	0.0056	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		03/05/21 16:38	03/08/21 11:13	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		03/05/21 16:38	03/08/21 11:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*43 - 145*	*03/05/21 16:38*	*03/08/21 11:13*	*1*
Nitrobenzene-d5 (Surr)	*84*		*37 - 147*	*03/05/21 16:38*	*03/08/21 11:13*	*1*
Terphenyl-d14 (Surr)	*92*		*42 - 157*	*03/05/21 16:38*	*03/08/21 11:13*	*1*

Lab Sample ID: LCS 500-587481/2-A
Matrix: Solid
Analysis Batch: 587569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	1.33	1.12		mg/Kg		84	68 - 111
2-Methylnaphthalene	1.33	1.14		mg/Kg		85	69 - 112
Acenaphthene	1.33	1.17		mg/Kg		88	65 - 124
Acenaphthylene	1.33	1.17		mg/Kg		88	68 - 120
Anthracene	1.33	1.15		mg/Kg		86	70 - 114
Benzo[a]anthracene	1.33	1.19		mg/Kg		89	67 - 122
Benzo[a]pyrene	1.33	1.24		mg/Kg		93	65 - 133
Benzo[b]fluoranthene	1.33	1.21		mg/Kg		91	69 - 129
Benzo[g,h,i]perylene	1.33	1.21		mg/Kg		90	72 - 131
Benzo[k]fluoranthene	1.33	1.23		mg/Kg		92	68 - 127
Chrysene	1.33	1.24		mg/Kg		93	63 - 120
Dibenz(a,h)anthracene	1.33	1.27		mg/Kg		95	64 - 131
Fluoranthene	1.33	1.21		mg/Kg		91	62 - 120
Fluorene	1.33	1.13		mg/Kg		85	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.23		mg/Kg		92	68 - 130
Naphthalene	1.33	1.14		mg/Kg		86	63 - 110
Phenanthrene	1.33	1.15		mg/Kg		86	62 - 120
Pyrene	1.33	1.22		mg/Kg		92	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*89*		*43 - 145*
Nitrobenzene-d5 (Surr)	*93*		*37 - 147*
Terphenyl-d14 (Surr)	*97*		*42 - 157*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: 500-195567-1 MS
Matrix: Solid
Analysis Batch: 587569

Client Sample ID: WB-RTS-1
Prep Type: Total/NA
Prep Batch: 587481

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	0.018	J	1.57	1.32		mg/Kg	☼	83	68 - 111
2-Methylnaphthalene	0.022	J	1.57	1.34		mg/Kg	☼	84	69 - 112
Acenaphthene	<0.0071		1.57	1.33		mg/Kg	☼	85	65 - 124
Acenaphthylene	<0.0052		1.57	1.33		mg/Kg	☼	85	68 - 120
Anthracene	<0.0066		1.57	1.31		mg/Kg	☼	83	70 - 114
Benzo[a]anthracene	0.021	J	1.57	1.30		mg/Kg	☼	82	67 - 122
Benzo[a]pyrene	0.020	J	1.57	1.28		mg/Kg	☼	80	65 - 133
Benzo[b]fluoranthene	0.030	J	1.57	1.35		mg/Kg	☼	84	69 - 129
Benzo[g,h,i]perylene	0.015	J F1	1.57	0.971	F1	mg/Kg	☼	61	72 - 131
Benzo[k]fluoranthene	<0.012		1.57	1.35		mg/Kg	☼	86	68 - 127
Chrysene	0.034	J	1.57	1.36		mg/Kg	☼	84	63 - 120
Dibenz(a,h)anthracene	<0.0076		1.57	1.12		mg/Kg	☼	71	64 - 131
Fluoranthene	0.044		1.57	1.29		mg/Kg	☼	79	62 - 120
Fluorene	<0.0055		1.57	1.30		mg/Kg	☼	83	62 - 120
Indeno[1,2,3-cd]pyrene	0.017	J F1	1.57	1.06	F1	mg/Kg	☼	67	68 - 130
Naphthalene	0.014	J	1.57	1.33		mg/Kg	☼	84	63 - 110
Phenanthrene	0.052		1.57	1.35		mg/Kg	☼	82	62 - 120
Pyrene	0.041		1.57	1.34		mg/Kg	☼	83	61 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*86*		*43 - 145*
Nitrobenzene-d5 (Surr)	*91*		*37 - 147*
Terphenyl-d14 (Surr)	*92*		*42 - 157*

Lab Sample ID: 500-195567-1 MSD
Matrix: Solid
Analysis Batch: 587569

Client Sample ID: WB-RTS-1
Prep Type: Total/NA
Prep Batch: 587481

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene	0.018	J	1.57	1.39		mg/Kg	☼	87	68 - 111	5	30
2-Methylnaphthalene	0.022	J	1.57	1.40		mg/Kg	☼	87	69 - 112	4	30
Acenaphthene	<0.0071		1.57	1.41		mg/Kg	☼	90	65 - 124	6	30
Acenaphthylene	<0.0052		1.57	1.39		mg/Kg	☼	88	68 - 120	5	30
Anthracene	<0.0066		1.57	1.35		mg/Kg	☼	86	70 - 114	3	30
Benzo[a]anthracene	0.021	J	1.57	1.37		mg/Kg	☼	86	67 - 122	6	30
Benzo[a]pyrene	0.020	J	1.57	1.36		mg/Kg	☼	85	65 - 133	6	30
Benzo[b]fluoranthene	0.030	J	1.57	1.44		mg/Kg	☼	90	69 - 129	6	30
Benzo[g,h,i]perylene	0.015	J F1	1.57	0.883	F1	mg/Kg	☼	55	72 - 131	9	30
Benzo[k]fluoranthene	<0.012		1.57	1.40		mg/Kg	☼	89	68 - 127	4	30
Chrysene	0.034	J	1.57	1.44		mg/Kg	☼	89	63 - 120	6	30
Dibenz(a,h)anthracene	<0.0076		1.57	1.04		mg/Kg	☼	66	64 - 131	7	30
Fluoranthene	0.044		1.57	1.36		mg/Kg	☼	83	62 - 120	5	30
Fluorene	<0.0055		1.57	1.35		mg/Kg	☼	86	62 - 120	4	30
Indeno[1,2,3-cd]pyrene	0.017	J F1	1.57	0.993	F1	mg/Kg	☼	62	68 - 130	7	30
Naphthalene	0.014	J	1.57	1.41		mg/Kg	☼	89	63 - 110	6	30
Phenanthrene	0.052		1.57	1.40		mg/Kg	☼	86	62 - 120	4	30
Pyrene	0.041		1.57	1.39		mg/Kg	☼	86	61 - 128	4	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-195567-1 MSD
Matrix: Solid
Analysis Batch: 587569

Client Sample ID: WB-RTS-1
Prep Type: Total/NA
Prep Batch: 587481

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*88*		*43 - 145*
Nitrobenzene-d5 (Surr)	*95*		*37 - 147*
Terphenyl-d14 (Surr)	*93*		*42 - 157*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-587482/1-A
Matrix: Solid
Analysis Batch: 587587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587482

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		03/05/21 17:01	03/08/21 10:48	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		03/05/21 17:01	03/08/21 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*49 - 129*	*03/05/21 17:01*	*03/08/21 10:48*	*1*
DCB Decachlorobiphenyl	*62*		*37 - 121*	*03/05/21 17:01*	*03/08/21 10:48*	*1*

Lab Sample ID: LCS 500-587482/3-A
Matrix: Solid
Analysis Batch: 587587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587482

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.167	0.120		mg/Kg		72	57 - 120		
PCB-1260			0.167	0.124		mg/Kg		74	61 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*71*		*49 - 129*
DCB Decachlorobiphenyl	*73*		*37 - 121*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-587371/1-A
Matrix: Solid
Analysis Batch: 587559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Barium	<0.11		1.0	0.11	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Cadmium	<0.036		0.20	0.036	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Chromium	<0.50		1.0	0.50	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Lead	<0.23		0.50	0.23	mg/Kg		03/05/21 06:41	03/05/21 19:37	1
Selenium	<0.59		1.0	0.59	mg/Kg		03/05/21 06:41	03/05/21 19:37	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 500-587371/1-A
Matrix: Solid
Analysis Batch: 587559

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.13		0.50	0.13	mg/Kg		03/05/21 06:41	03/05/21 19:37	1

Lab Sample ID: LCS 500-587371/2-A
Matrix: Solid
Analysis Batch: 587559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.0	9.48		mg/Kg		95	80 - 120
Barium	200	203		mg/Kg		101	80 - 120
Cadmium	5.00	4.68		mg/Kg		94	80 - 120
Chromium	20.0	19.5		mg/Kg		97	80 - 120
Lead	10.0	9.51		mg/Kg		95	80 - 120
Selenium	10.0	8.61		mg/Kg		86	80 - 120
Silver	5.00	4.67		mg/Kg		93	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 500-587775/12-A
Matrix: Solid
Analysis Batch: 587968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587775

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		03/09/21 13:20	03/10/21 07:59	1

Lab Sample ID: LCS 500-587775/13-A
Matrix: Solid
Analysis Batch: 587968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.173		mg/Kg		104	80 - 120

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Client Sample ID: WB-RTS-1
Lab Sample ID: 500-195567-1
Date Collected: 03/03/21 14:30
Matrix: Solid
Date Received: 03/04/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587279	03/04/21 14:15	LWN	TAL CHI

Client Sample ID: WB-RTS-1
Lab Sample ID: 500-195567-1
Date Collected: 03/03/21 14:30
Matrix: Solid
Date Received: 03/04/21 10:00
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			587361	03/03/21 14:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	587750	03/09/21 16:47	PMF	TAL CHI
Total/NA	Prep	3541			587481	03/05/21 16:38	ACK	TAL CHI
Total/NA	Analysis	8270D		1	587569	03/08/21 11:39	AJD	TAL CHI
Total/NA	Prep	3541			587482	03/05/21 17:01	ACK	TAL CHI
Total/NA	Analysis	8082A		1	587587	03/08/21 11:19	JBJ	TAL CHI
Total/NA	Prep	3050B			587371	03/05/21 06:41	LMN	TAL CHI
Total/NA	Analysis	6010B		1	587559	03/05/21 20:17	EEN	TAL CHI
Total/NA	Prep	7471A			587775	03/09/21 13:20	MJG	TAL CHI
Total/NA	Analysis	7471A		1	587968	03/10/21 08:52	MJG	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-195567-1
Project/Site: Community Within the Corridor - 40420

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-195567

500-195567 COC

Sample Collector(s) Kyle Vander Heiden	Title Staff Geologist	Telephone # (incl area code) (262) 821 1171	Report To Kyle Vander Heiden & Robert Reineke
Property Owner Community Within the Corridor Limited Partnership	Property Address 2748 N 32nd Street, Milwaukee WI 53208	Telephone # (incl area code) N/A	KSingh Project # **40420**
I hereby certify that I received, properly and disposed of the samples as noted below		Laboratory Name **TestAmerica**	
Relinquished By (Signature)	Date/Time 3-3-21 @ 1600	Received By (Signature)	Temperature Blank: If samples were received on ice and there was ice remaining you may report the temperature as "received on ice If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time 3-3-21 1700	Received By (Signature Paula Bubley ETA 3/4/21 1000	

1 Specify groundwater (GW) soil (S) air (A), sludge (SL) surface water (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	8260B VOC	PAH	PCB	RCRA Metals									Sample Condition # / Type of Container MeOH	--	--	Unpres	--- Other Comment
3/3/2021	14 30	S	Grab	WB-RTS-1	x	x	x	x									1			2	

NOTE(S)

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[x] Dispose [ ] Return [ ] Retain for ____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By
Accepted [ ] Y [ ] N
Signature

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-195567-1

Login Number: 195567
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.6, 0.1 samples were not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-197165-1
Client Project/Site: Community Within the Corridor - 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Sandra Fredrick

Authorized for release by:
4/19/2021 1:23:37 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-197165-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-197165-1

Comments
No additional comments.

Receipt
The sample was received on 4/7/2021 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. WB-RTS-2 (500-197165-1)

Method 8260B: The laboratory control sample (LCS) for 592392 recovered outside control limits for the following analytes: 1,1-Dichloroethane and 1,2-Dichloropropane. This is a prepped 5035 LCS. The daily instrument LCS was acceptable, and the data have been reported.WB-RTS-2 (500-197165-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following Continuing Calibration Verification (CCVIS) was outside control limits: (CCVIS 500-593554/1). The other surrogate was within limits; therefore, re-analysis was not performed.

Method 8082A: The following samples contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: WB-RTS-2 (500-197165-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197165-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-2
Lab Sample ID: 500-197165-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.50		0.11	0.038	mg/Kg	50	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	0.17		0.11	0.040	mg/Kg	50	☼	8260B	Total/NA
Benzene	0.022	J	0.027	0.016	mg/Kg	50	☼	8260B	Total/NA
Ethylbenzene	0.066		0.027	0.019	mg/Kg	50	☼	8260B	Total/NA
Isopropylbenzene	0.075	J	0.11	0.041	mg/Kg	50	☼	8260B	Total/NA
Naphthalene	0.63		0.11	0.036	mg/Kg	50	☼	8260B	Total/NA
n-Butylbenzene	0.057	J	0.11	0.041	mg/Kg	50	☼	8260B	Total/NA
N-Propylbenzene	0.070	J	0.11	0.044	mg/Kg	50	☼	8260B	Total/NA
p-Isopropyltoluene	0.049	J	0.11	0.039	mg/Kg	50	☼	8260B	Total/NA
Tetrachloroethene	0.12		0.11	0.039	mg/Kg	50	☼	8260B	Total/NA
Toluene	0.062		0.027	0.016	mg/Kg	50	☼	8260B	Total/NA
Trichloroethene	0.69		0.053	0.017	mg/Kg	50	☼	8260B	Total/NA
Xylenes, Total	0.83		0.053	0.023	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	0.018		0.017	0.0038	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197165-1
Project/Site: Community Within the Corridor - 40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197165-1
Project/Site: Community Within the Corridor - 40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-197165-1	WB-RTS-2	Solid	04/06/21 12:10	04/07/21 09:30	

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443

Job ID: 500-197165-1

Client Sample ID: WB-RTS-2
Date Collected: 04/06/21 12:10
Date Received: 04/07/21 09:30

Lab Sample ID: 500-197165-1
Matrix: Solid
Percent Solids: 94.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.049		0.11	0.049	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,1,1-Trichloroethane	<0.040		0.11	0.040	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,1,2,2-Tetrachloroethane	<0.042		0.11	0.042	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,1,2-Trichloroethane	<0.037		0.11	0.037	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,1-Dichloroethane	<0.044	*+	0.11	0.044	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,1-Dichloroethene	<0.041		0.11	0.041	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,1-Dichloropropene	<0.032		0.11	0.032	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2,3-Trichlorobenzene	<0.049		0.11	0.049	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2,3-Trichloropropane	<0.044		0.21	0.044	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2,4-Trichlorobenzene	<0.036		0.11	0.036	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2,4-Trimethylbenzene	**0.50**		0.11	0.038	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2-Dibromo-3-Chloropropane	<0.21		0.53	0.21	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2-Dibromoethane	<0.041		0.11	0.041	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2-Dichlorobenzene	<0.036		0.11	0.036	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2-Dichloroethane	<0.042		0.11	0.042	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,2-Dichloropropane	<0.046	*+	0.11	0.046	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,3,5-Trimethylbenzene	**0.17**		0.11	0.040	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,3-Dichlorobenzene	<0.043		0.11	0.043	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,3-Dichloropropane	<0.039		0.11	0.039	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
1,4-Dichlorobenzene	<0.039		0.11	0.039	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
2,2-Dichloropropane	<0.047		0.11	0.047	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
2-Chlorotoluene	<0.033		0.11	0.033	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
4-Chlorotoluene	<0.037		0.11	0.037	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Benzene	**0.022**	**J**	0.027	0.016	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Bromobenzene	<0.038		0.11	0.038	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Bromochloromethane	<0.046		0.11	0.046	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Bromodichloromethane	<0.040		0.11	0.040	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Bromoform	<0.051		0.11	0.051	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Bromomethane	<0.085		0.32	0.085	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Carbon tetrachloride	<0.041		0.11	0.041	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Chlorobenzene	<0.041		0.11	0.041	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Chloroethane	<0.054		0.11	0.054	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Chloroform	<0.039		0.21	0.039	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Chloromethane	<0.034		0.11	0.034	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
cis-1,2-Dichloroethene	<0.043		0.11	0.043	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
cis-1,3-Dichloropropene	<0.044		0.11	0.044	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Dibromochloromethane	<0.052		0.11	0.052	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Dibromomethane	<0.029		0.11	0.029	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Dichlorodifluoromethane	<0.072		0.32	0.072	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Ethylbenzene	**0.066**		0.027	0.019	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Hexachlorobutadiene	<0.047		0.11	0.047	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Isopropyl ether	<0.029		0.11	0.029	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Isopropylbenzene	**0.075**	**J**	0.11	0.041	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Methyl tert-butyl ether	<0.042		0.11	0.042	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Methylene Chloride	<0.17		0.53	0.17	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Naphthalene	**0.63**		0.11	0.036	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
n-Butylbenzene	**0.057**	**J**	0.11	0.041	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
N-Propylbenzene	**0.070**	**J**	0.11	0.044	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
p-Isopropyltoluene	**0.049**	**J**	0.11	0.039	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50

Client Sample ID: WB-RTS-2
Lab Sample ID: 500-197165-1

Date Collected: 04/06/21 12:10
Matrix: Solid

Date Received: 04/07/21 09:30
Percent Solids: 94.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.042		0.11	0.042	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Styrene	<0.041		0.11	0.041	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
tert-Butylbenzene	<0.042		0.11	0.042	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Tetrachloroethene	**0.12**		0.11	0.039	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Toluene	**0.062**		0.027	0.016	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
trans-1,2-Dichloroethene	<0.037		0.11	0.037	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
trans-1,3-Dichloropropene	<0.039		0.11	0.039	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Trichloroethene	**0.69**		0.053	0.017	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Trichlorofluoromethane	<0.046		0.11	0.046	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Vinyl chloride	<0.028		0.11	0.028	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50
Xylenes, Total	**0.83**		0.053	0.023	mg/Kg	☼	04/06/21 12:10	04/10/21 01:39	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*	*04/06/21 12:10*	*04/10/21 01:39*	*50*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*	*04/06/21 12:10*	*04/10/21 01:39*	*50*
Dibromofluoromethane (Surr)	*92*		*75 - 120*	*04/06/21 12:10*	*04/10/21 01:39*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*04/06/21 12:10*	*04/10/21 01:39*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0061		0.017	0.0061	mg/Kg	☼	04/15/21 07:14	04/16/21 02:02	1
PCB-1221	<0.0076		0.017	0.0076	mg/Kg	☼	04/15/21 07:14	04/16/21 02:02	1
PCB-1232	<0.0076		0.017	0.0076	mg/Kg	☼	04/15/21 07:14	04/16/21 02:02	1
PCB-1242	<0.0057		0.017	0.0057	mg/Kg	☼	04/15/21 07:14	04/16/21 02:02	1
PCB-1248	<0.0068		0.017	0.0068	mg/Kg	☼	04/15/21 07:14	04/16/21 02:02	1
PCB-1254	**0.018**		0.017	0.0038	mg/Kg	☼	04/15/21 07:14	04/16/21 02:02	1
PCB-1260	<0.0085		0.017	0.0085	mg/Kg	☼	04/15/21 07:14	04/16/21 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*49 - 129*	*04/15/21 07:14*	*04/16/21 02:02*	*1*
DCB Decachlorobiphenyl	*44*		*37 - 121*	*04/15/21 07:14*	*04/16/21 02:02*	*1*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-197165-1
Project/Site: Community Within the Corridor - 40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197165-1
Project/Site: Community Within the Corridor - 40443

GC/MS VOA

Prep Batch: 592392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	5035	
LB3 500-592392/21-A	Method Blank	Total/NA	Solid	5035	
LCS 500-592392/22-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 592567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	8260B	592392
LB3 500-592392/21-A	Method Blank	Total/NA	Solid	8260B	592392
MB 500-592567/28	Method Blank	Total/NA	Solid	8260B	
LCS 500-592392/22-A	Lab Control Sample	Total/NA	Solid	8260B	592392
LCS 500-592567/4	Lab Control Sample	Total/NA	Solid	8260B	

GC Semi VOA

Prep Batch: 593361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	3541	
MB 500-593361/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-593361/3-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 593554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	8082A	593361
MB 500-593361/1-A	Method Blank	Total/NA	Solid	8082A	593361
LCS 500-593361/3-A	Lab Control Sample	Total/NA	Solid	8082A	593361

General Chemistry

Analysis Batch: 592258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-197165-1	WB-RTS-2	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197165-1
Project/Site: Community Within the Corridor - 40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-197165-1	WB-RTS-2	96	105	92	101
LB3 500-592392/21-A	Method Blank	95	108	95	101
LCS 500-592392/22-A	Lab Control Sample	97	95	97	103
LCS 500-592567/4	Lab Control Sample	94	98	96	100
MB 500-592567/28	Method Blank	91	112	92	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-197165-1	WB-RTS-2	89	44
LCS 500-593361/3-A	Lab Control Sample	75	79
MB 500-593361/1-A	Method Blank	86	80

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-592392/21-A
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592392

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromoform	<0.024		0.050	0.024	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Chloroform	<0.019		0.10	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-592392/21-A
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592392

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Styrene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		04/09/21 01:30	04/10/21 00:49	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		04/09/21 01:30	04/10/21 00:49	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*	*04/09/21 01:30*	*04/10/21 00:49*	*50*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*	*04/09/21 01:30*	*04/10/21 00:49*	*50*
Dibromofluoromethane (Surr)	*95*		*75 - 120*	*04/09/21 01:30*	*04/10/21 00:49*	*50*
Toluene-d8 (Surr)	*101*		*75 - 120*	*04/09/21 01:30*	*04/10/21 00:49*	*50*

Lab Sample ID: LCS 500-592392/22-A
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	3.00		mg/Kg		120	70 - 125
1,1,1-Trichloroethane	2.50	2.89		mg/Kg		116	70 - 125
1,1,2,2-Tetrachloroethane	2.50	2.61		mg/Kg		104	62 - 140
1,1,2-Trichloroethane	2.50	2.78		mg/Kg		111	71 - 130
1,1-Dichloroethane	2.50	3.30	*+	mg/Kg		132	70 - 125
1,1-Dichloroethene	2.50	2.61		mg/Kg		104	67 - 122
1,1-Dichloropropene	2.50	2.84		mg/Kg		113	70 - 121
1,2,3-Trichlorobenzene	2.50	2.30		mg/Kg		92	51 - 145
1,2,3-Trichloropropane	2.50	2.54		mg/Kg		102	50 - 133
1,2,4-Trichlorobenzene	2.50	2.52		mg/Kg		101	57 - 137
1,2,4-Trimethylbenzene	2.50	2.54		mg/Kg		102	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	2.05		mg/Kg		82	56 - 123
1,2-Dibromoethane	2.50	2.81		mg/Kg		112	70 - 125
1,2-Dichlorobenzene	2.50	2.62		mg/Kg		105	70 - 125
1,2-Dichloroethane	2.50	2.88		mg/Kg		115	68 - 127
1,2-Dichloropropane	2.50	3.33	*+	mg/Kg		133	67 - 130
1,3,5-Trimethylbenzene	2.50	2.55		mg/Kg		102	70 - 123
1,3-Dichlorobenzene	2.50	2.67		mg/Kg		107	70 - 125
1,3-Dichloropropane	2.50	2.76		mg/Kg		110	62 - 136
1,4-Dichlorobenzene	2.50	2.61		mg/Kg		104	70 - 120
2,2-Dichloropropane	2.50	2.98		mg/Kg		119	58 - 139
2-Chlorotoluene	2.50	2.52		mg/Kg		101	70 - 125
4-Chlorotoluene	2.50	2.49		mg/Kg		99	68 - 124
Benzene	2.50	2.77		mg/Kg		111	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-592392/22-A
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.57		mg/Kg		103	70 - 122
Bromochloromethane	2.50	2.89		mg/Kg		116	65 - 122
Bromodichloromethane	2.50	2.65		mg/Kg		106	69 - 120
Bromoform	2.50	2.65		mg/Kg		106	56 - 132
Bromomethane	2.50	1.98		mg/Kg		79	40 - 152
Carbon tetrachloride	2.50	2.58		mg/Kg		103	59 - 133
Chlorobenzene	2.50	2.87		mg/Kg		115	70 - 120
Chloroethane	2.50	2.87		mg/Kg		115	48 - 136
Chloroform	2.50	2.75		mg/Kg		110	70 - 120
Chloromethane	2.50	3.24		mg/Kg		130	56 - 152
cis-1,2-Dichloroethene	2.50	2.87		mg/Kg		115	70 - 125
cis-1,3-Dichloropropene	2.50	2.73		mg/Kg		109	64 - 127
Dibromochloromethane	2.50	2.68		mg/Kg		107	68 - 125
Dibromomethane	2.50	2.62		mg/Kg		105	70 - 120
Dichlorodifluoromethane	2.50	1.27		mg/Kg		51	40 - 159
Ethylbenzene	2.50	2.98		mg/Kg		119	70 - 123
Hexachlorobutadiene	2.50	2.76		mg/Kg		110	51 - 150
Isopropylbenzene	2.50	2.63		mg/Kg		105	70 - 126
Methyl tert-butyl ether	2.50	2.54		mg/Kg		101	55 - 123
Methylene Chloride	2.50	2.82		mg/Kg		113	69 - 125
Naphthalene	2.50	2.29		mg/Kg		92	53 - 144
n-Butylbenzene	2.50	2.68		mg/Kg		107	68 - 125
N-Propylbenzene	2.50	2.59		mg/Kg		104	69 - 127
p-Isopropyltoluene	2.50	2.75		mg/Kg		110	70 - 125
sec-Butylbenzene	2.50	2.67		mg/Kg		107	70 - 123
Styrene	2.50	2.84		mg/Kg		114	70 - 120
tert-Butylbenzene	2.50	2.70		mg/Kg		108	70 - 121
Tetrachloroethene	2.50	3.02		mg/Kg		121	70 - 128
Toluene	2.50	2.79		mg/Kg		112	70 - 125
trans-1,2-Dichloroethene	2.50	2.86		mg/Kg		114	70 - 125
trans-1,3-Dichloropropene	2.50	2.48		mg/Kg		99	62 - 128
Trichloroethene	2.50	2.85		mg/Kg		114	70 - 125
Trichlorofluoromethane	2.50	2.36		mg/Kg		94	55 - 128
Vinyl chloride	2.50	2.60		mg/Kg		104	64 - 126
Xylenes, Total	5.00	5.52		mg/Kg		110	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: MB 500-592567/28
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			04/10/21 01:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-592567/28
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			04/10/21 01:14	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			04/10/21 01:14	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			04/10/21 01:14	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			04/10/21 01:14	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			04/10/21 01:14	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			04/10/21 01:14	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			04/10/21 01:14	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			04/10/21 01:14	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			04/10/21 01:14	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			04/10/21 01:14	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			04/10/21 01:14	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/10/21 01:14	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			04/10/21 01:14	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			04/10/21 01:14	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			04/10/21 01:14	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			04/10/21 01:14	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			04/10/21 01:14	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			04/10/21 01:14	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			04/10/21 01:14	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			04/10/21 01:14	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			04/10/21 01:14	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			04/10/21 01:14	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			04/10/21 01:14	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			04/10/21 01:14	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			04/10/21 01:14	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			04/10/21 01:14	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			04/10/21 01:14	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			04/10/21 01:14	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			04/10/21 01:14	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			04/10/21 01:14	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			04/10/21 01:14	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			04/10/21 01:14	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			04/10/21 01:14	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			04/10/21 01:14	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			04/10/21 01:14	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			04/10/21 01:14	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			04/10/21 01:14	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/10/21 01:14	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-592567/28
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.00039		0.0010	0.00039	mg/Kg			04/10/21 01:14	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			04/10/21 01:14	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			04/10/21 01:14	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			04/10/21 01:14	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			04/10/21 01:14	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			04/10/21 01:14	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			04/10/21 01:14	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			04/10/21 01:14	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			04/10/21 01:14	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			04/10/21 01:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*04/10/21 01:14*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*04/10/21 01:14*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*04/10/21 01:14*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*04/10/21 01:14*	*1*

Lab Sample ID: LCS 500-592567/4
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0470		mg/Kg		94	70 - 125
1,1,1-Trichloroethane	0.0500	0.0468		mg/Kg		94	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0451		mg/Kg		90	62 - 140
1,1,2-Trichloroethane	0.0500	0.0445		mg/Kg		89	71 - 130
1,1-Dichloroethane	0.0500	0.0536		mg/Kg		107	70 - 125
1,1-Dichloroethene	0.0500	0.0416		mg/Kg		83	67 - 122
1,1-Dichloropropene	0.0500	0.0456		mg/Kg		91	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0424		mg/Kg		85	51 - 145
1,2,3-Trichloropropane	0.0500	0.0424		mg/Kg		85	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0458		mg/Kg		92	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0438		mg/Kg		88	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0357		mg/Kg		71	56 - 123
1,2-Dibromoethane	0.0500	0.0460		mg/Kg		92	70 - 125
1,2-Dichlorobenzene	0.0500	0.0446		mg/Kg		89	70 - 125
1,2-Dichloroethane	0.0500	0.0480		mg/Kg		96	68 - 127
1,2-Dichloropropane	0.0500	0.0550		mg/Kg		110	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0434		mg/Kg		87	70 - 123
1,3-Dichlorobenzene	0.0500	0.0459		mg/Kg		92	70 - 125
1,3-Dichloropropane	0.0500	0.0454		mg/Kg		91	62 - 136
1,4-Dichlorobenzene	0.0500	0.0447		mg/Kg		89	70 - 120
2,2-Dichloropropane	0.0500	0.0494		mg/Kg		99	58 - 139
2-Chlorotoluene	0.0500	0.0435		mg/Kg		87	70 - 125
4-Chlorotoluene	0.0500	0.0422		mg/Kg		84	68 - 124
Benzene	0.0500	0.0456		mg/Kg		91	70 - 120
Bromobenzene	0.0500	0.0450		mg/Kg		90	70 - 122
Bromochloromethane	0.0500	0.0478		mg/Kg		96	65 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-592567/4
Matrix: Solid
Analysis Batch: 592567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	0.0500	0.0430		mg/Kg		86	69 - 120
Bromoform	0.0500	0.0441		mg/Kg		88	56 - 132
Bromomethane	0.0500	0.0350		mg/Kg		70	40 - 152
Carbon tetrachloride	0.0500	0.0399		mg/Kg		80	59 - 133
Chlorobenzene	0.0500	0.0479		mg/Kg		96	70 - 120
Chloroethane	0.0500	0.0460		mg/Kg		92	48 - 136
Chloroform	0.0500	0.0454		mg/Kg		91	70 - 120
Chloromethane	0.0500	0.0684		mg/Kg		137	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0476		mg/Kg		95	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0438		mg/Kg		88	64 - 127
Dibromochloromethane	0.0500	0.0428		mg/Kg		86	68 - 125
Dibromomethane	0.0500	0.0425		mg/Kg		85	70 - 120
Dichlorodifluoromethane	0.0500	0.0352		mg/Kg		70	40 - 159
Ethylbenzene	0.0500	0.0491		mg/Kg		98	70 - 123
Hexachlorobutadiene	0.0500	0.0450		mg/Kg		90	51 - 150
Isopropylbenzene	0.0500	0.0441		mg/Kg		88	70 - 126
Methyl tert-butyl ether	0.0500	0.0418		mg/Kg		84	55 - 123
Methylene Chloride	0.0500	0.0460		mg/Kg		92	69 - 125
Naphthalene	0.0500	0.0419		mg/Kg		84	53 - 144
n-Butylbenzene	0.0500	0.0451		mg/Kg		90	68 - 125
N-Propylbenzene	0.0500	0.0439		mg/Kg		88	69 - 127
p-Isopropyltoluene	0.0500	0.0460		mg/Kg		92	70 - 125
sec-Butylbenzene	0.0500	0.0441		mg/Kg		88	70 - 123
Styrene	0.0500	0.0475		mg/Kg		95	70 - 120
tert-Butylbenzene	0.0500	0.0452		mg/Kg		90	70 - 121
Tetrachloroethene	0.0500	0.0463		mg/Kg		93	70 - 128
Toluene	0.0500	0.0447		mg/Kg		89	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0461		mg/Kg		92	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0413		mg/Kg		83	62 - 128
Trichloroethene	0.0500	0.0461		mg/Kg		92	70 - 125
Trichlorofluoromethane	0.0500	0.0420		mg/Kg		84	55 - 128
Vinyl chloride	0.0500	0.0508		mg/Kg		102	64 - 126
Xylenes, Total	0.100	0.0905		mg/Kg		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-593361/1-A
Matrix: Solid
Analysis Batch: 593554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		04/15/21 07:14	04/16/21 00:15	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 500-593361/1-A
Matrix: Solid
Analysis Batch: 593554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		04/15/21 07:14	04/16/21 00:15	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		04/15/21 07:14	04/16/21 00:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*49 - 129*	*04/15/21 07:14*	*04/16/21 00:15*	*1*
DCB Decachlorobiphenyl	*80*		*37 - 121*	*04/15/21 07:14*	*04/16/21 00:15*	*1*

Lab Sample ID: LCS 500-593361/3-A
Matrix: Solid
Analysis Batch: 593554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.112		mg/Kg		67	57 - 120
PCB-1260	0.167	0.121		mg/Kg		73	61 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*75*		*49 - 129*
DCB Decachlorobiphenyl	*79*		*37 - 121*

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-197165-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-2
Lab Sample ID: 500-197165-1
Date Collected: 04/06/21 12:10
Matrix: Solid
Date Received: 04/07/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592258	04/08/21 09:17	LWN	TAL CHI

Client Sample ID: WB-RTS-2
Lab Sample ID: 500-197165-1
Date Collected: 04/06/21 12:10
Matrix: Solid
Date Received: 04/07/21 09:30
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			592392	04/06/21 12:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	592567	04/10/21 01:39	PMF	TAL CHI
Total/NA	Prep	3541			593361	04/15/21 07:14	BSO	TAL CHI
Total/NA	Analysis	8082A		1	593554	04/16/21 02:02	SS	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-197165-1
Project/Site: Community Within the Corridor - 40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-197165

Sample Collector(s)		Title	Telephone # (incl area code)	Report To
Kyle Vander Heiden	500-197165 COC	Staff Geologist	(262) 821 1171	Kyle Vander Heiden & Robert Reineke
Property Owner		Property Address	Telephone # (incl area code)	KSingh Project #
Community Within the Corridor Limited Partnership		2727 N 32nd Street, Milwaukee WI 53210	N/A	40443
I hereby certify that I received properly, and disposed of the samples as noted below			Laboratory Name TestAmerica	
Relinquished By (Signature)		Date/Time 4/6/21 @ 1545	Received By (Signature)	Temperature Blank 1.1
Relinquished By (Signature)		Date/Time 4-6-21 1700	Received By (Signature) 4/7/21 0930	If samples were received on ice and there was ice remaining you may report the temperature as 'received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.

1 Specify groundwater (GW) soil (S), air (A), sludge (SL), surface water (SW), etc
2 Sample description must clearly correlate the sample I D to the sampling location

		Samples					Sample Condition				
							# / Type of Container				---
Date Collected	Time Collected	Type (1)	Device	Location/Description (2)	8260B VOC	8082A - PCB	MeOH	--	--	Unpres	Other Comment
4/6/2021	12 10	S	Grab	WB-RTS 2	x	x	1			2	

NOTE(S)

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES	DEPARTMENT USE ONLY
Disposition of unused portion of sample Laboratory should (check) x Dispose ☐ Return ☐ Retain for ☐ Other _____ (days)	Split Samples Offered ☐ Y ☐ N Accepted By Accepted ☐ Y ☐ N Signature

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-197165-1

Login Number: 197165
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-199313-1
Client Project/Site: Community Within the Corridor - 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Sandra Fredrick

Authorized for release by:
6/3/2021 9:53:16 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-199313-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-199313-1

Comments
No additional comments.

Receipt
The samples were received on 5/19/2021 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: The continuing calibration verification (CCVIS)/1 associated with batch 500-601769 recovered slightly above the upper control limit for PCB-1016. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 500-601769/1).

Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1254: WB-RTS-6 (1-2) (500-199313-4).

Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following sample was outside control limits: WB-RTS-6 (1-2) (500-199313-4). The other surrogate was within limits; therefore, re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-3 (1-2) — Lab Sample ID: 500-199313-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.90		0.058	0.021	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: WB-RTS-4 (1-2) — Lab Sample ID: 500-199313-2

No Detections.

Client Sample ID: WB-RTS-5 (1-2) — Lab Sample ID: 500-199313-3

No Detections.

Client Sample ID: WB-RTS-6 (1-2) — Lab Sample ID: 500-199313-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.053	J	0.070	0.023	mg/Kg	50	☼	8260B	Total/NA
PCB-1254	1.6		0.19	0.042	mg/Kg	10	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-199313-1	WB-RTS-3 (1-2)	Solid	05/18/21 12:00	05/19/21 09:20	
500-199313-2	WB-RTS-4 (1-2)	Solid	05/18/21 12:10	05/19/21 09:20	
500-199313-3	WB-RTS-5 (1-2)	Solid	05/18/21 12:20	05/19/21 09:20	
500-199313-4	WB-RTS-6 (1-2)	Solid	05/18/21 12:30	05/19/21 09:20	

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-3 (1-2)
Lab Sample ID: 500-199313-1
Date Collected: 05/18/21 12:00
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 92.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.027		0.058	0.027	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,1,1-Trichloroethane	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,1,2,2-Tetrachloroethane	<0.023		0.058	0.023	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,1,2-Trichloroethane	<0.020		0.058	0.020	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,1-Dichloroethane	<0.024		0.058	0.024	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,1-Dichloroethene	<0.023		0.058	0.023	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,1-Dichloropropene	<0.017		0.058	0.017	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2,3-Trichlorobenzene	<0.027		0.058	0.027	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2,3-Trichloropropane	<0.024		0.12	0.024	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2,4-Trichlorobenzene	<0.020		0.058	0.020	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2,4-Trimethylbenzene	<0.021		0.058	0.021	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2-Dibromo-3-Chloropropane	<0.12		0.29	0.12	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2-Dibromoethane	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2-Dichlorobenzene	<0.019		0.058	0.019	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2-Dichloroethane	<0.023		0.058	0.023	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,2-Dichloropropane	<0.025		0.058	0.025	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,3,5-Trimethylbenzene	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,3-Dichlorobenzene	<0.023		0.058	0.023	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,3-Dichloropropane	<0.021		0.058	0.021	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
1,4-Dichlorobenzene	<0.021		0.058	0.021	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
2,2-Dichloropropane	<0.026		0.058	0.026	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
2-Chlorotoluene	<0.018		0.058	0.018	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
4-Chlorotoluene	<0.020		0.058	0.020	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Benzene	<0.0085		0.014	0.0085	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Bromobenzene	<0.021		0.058	0.021	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Bromochloromethane	<0.025		0.058	0.025	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Bromodichloromethane	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Bromoform	<0.028		0.058	0.028	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Bromomethane	<0.046		0.17	0.046	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Carbon tetrachloride	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Chlorobenzene	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Chloroethane	<0.029		0.058	0.029	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Chloroform	<0.021		0.12	0.021	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Chloromethane	<0.019		0.058	0.019	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
cis-1,2-Dichloroethene	<0.024		0.058	0.024	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
cis-1,3-Dichloropropene	<0.024		0.058	0.024	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Dibromochloromethane	<0.028		0.058	0.028	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Dibromomethane	<0.016		0.058	0.016	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Dichlorodifluoromethane	<0.039		0.17	0.039	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Ethylbenzene	<0.011		0.014	0.011	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Hexachlorobutadiene	<0.026		0.058	0.026	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Isopropyl ether	<0.016		0.058	0.016	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Isopropylbenzene	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Methyl tert-butyl ether	<0.023		0.058	0.023	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Methylene Chloride	<0.094		0.29	0.094	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Naphthalene	<0.019		0.058	0.019	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
n-Butylbenzene	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
N-Propylbenzene	<0.024		0.058	0.024	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
p-Isopropyltoluene	<0.021		0.058	0.021	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-3 (1-2)
Lab Sample ID: 500-199313-1
Date Collected: 05/18/21 12:00
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 92.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.023		0.058	0.023	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Styrene	<0.022		0.058	0.022	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
tert-Butylbenzene	<0.023		0.058	0.023	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Tetrachloroethene	**0.90**		0.058	0.021	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Toluene	<0.0085		0.014	0.0085	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
trans-1,2-Dichloroethene	<0.020		0.058	0.020	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
trans-1,3-Dichloropropene	<0.021		0.058	0.021	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Trichloroethene	<0.0095		0.029	0.0095	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Trichlorofluoromethane	<0.025		0.058	0.025	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Vinyl chloride	<0.015		0.058	0.015	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50
Xylenes, Total	<0.013		0.029	0.013	mg/Kg	☼	05/18/21 12:00	05/30/21 18:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*	*05/18/21 12:00*	*05/30/21 18:22*	*50*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*	*05/18/21 12:00*	*05/30/21 18:22*	*50*
Dibromofluoromethane (Surr)	*100*		*75 - 120*	*05/18/21 12:00*	*05/30/21 18:22*	*50*
Toluene-d8 (Surr)	*105*		*75 - 120*	*05/18/21 12:00*	*05/30/21 18:22*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0063		0.018	0.0063	mg/Kg	☼	06/01/21 08:12	06/01/21 18:36	1
PCB-1221	<0.0079		0.018	0.0079	mg/Kg	☼	06/01/21 08:12	06/01/21 18:36	1
PCB-1232	<0.0078		0.018	0.0078	mg/Kg	☼	06/01/21 08:12	06/01/21 18:36	1
PCB-1242	<0.0059		0.018	0.0059	mg/Kg	☼	06/01/21 08:12	06/01/21 18:36	1
PCB-1248	<0.0071		0.018	0.0071	mg/Kg	☼	06/01/21 08:12	06/01/21 18:36	1
PCB-1254	<0.0039		0.018	0.0039	mg/Kg	☼	06/01/21 08:12	06/01/21 18:36	1
PCB-1260	<0.0088		0.018	0.0088	mg/Kg	☼	06/01/21 08:12	06/01/21 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*49 - 129*	*06/01/21 08:12*	*06/01/21 18:36*	*1*
DCB Decachlorobiphenyl	*86*		*37 - 121*	*06/01/21 08:12*	*06/01/21 18:36*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-4 (1-2)
Lab Sample ID: 500-199313-2
Date Collected: 05/18/21 12:10
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 94.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.026		0.056	0.026	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,1,1-Trichloroethane	<0.021		0.056	0.021	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,1,2,2-Tetrachloroethane	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,1,2-Trichloroethane	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,1-Dichloroethane	<0.023		0.056	0.023	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,1-Dichloroethene	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,1-Dichloropropene	<0.017		0.056	0.017	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2,3-Trichlorobenzene	<0.026		0.056	0.026	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2,3-Trichloropropane	<0.023		0.11	0.023	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2,4-Trichlorobenzene	<0.019		0.056	0.019	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2,4-Trimethylbenzene	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2-Dibromo-3-Chloropropane	<0.11		0.28	0.11	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2-Dibromoethane	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2-Dichlorobenzene	<0.019		0.056	0.019	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2-Dichloroethane	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,2-Dichloropropane	<0.024		0.056	0.024	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,3,5-Trimethylbenzene	<0.021		0.056	0.021	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,3-Dichlorobenzene	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,3-Dichloropropane	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
1,4-Dichlorobenzene	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
2,2-Dichloropropane	<0.025		0.056	0.025	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
2-Chlorotoluene	<0.018		0.056	0.018	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
4-Chlorotoluene	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Benzene	<0.0082		0.014	0.0082	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Bromobenzene	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Bromochloromethane	<0.024		0.056	0.024	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Bromodichloromethane	<0.021		0.056	0.021	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Bromoform	<0.027		0.056	0.027	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Bromomethane	<0.045		0.17	0.045	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Carbon tetrachloride	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Chlorobenzene	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Chloroethane	<0.028		0.056	0.028	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Chloroform	<0.021		0.11	0.021	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Chloromethane	<0.018		0.056	0.018	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
cis-1,2-Dichloroethene	<0.023		0.056	0.023	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
cis-1,3-Dichloropropene	<0.023		0.056	0.023	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Dibromochloromethane	<0.027		0.056	0.027	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Dibromomethane	<0.015		0.056	0.015	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Dichlorodifluoromethane	<0.038		0.17	0.038	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Ethylbenzene	<0.010		0.014	0.010	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Hexachlorobutadiene	<0.025		0.056	0.025	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Isopropyl ether	<0.016		0.056	0.016	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Isopropylbenzene	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Methyl tert-butyl ether	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Methylene Chloride	<0.092		0.28	0.092	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Naphthalene	<0.019		0.056	0.019	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
n-Butylbenzene	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
N-Propylbenzene	<0.023		0.056	0.023	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
p-Isopropyltoluene	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50

Client Sample ID: WB-RTS-4 (1-2)
Lab Sample ID: 500-199313-2
Date Collected: 05/18/21 12:10
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 94.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Styrene	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
tert-Butylbenzene	<0.022		0.056	0.022	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Tetrachloroethene	<0.021		0.056	0.021	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Toluene	<0.0083		0.014	0.0083	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
trans-1,2-Dichloroethene	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
trans-1,3-Dichloropropene	<0.020		0.056	0.020	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Trichloroethene	<0.0092		0.028	0.0092	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Trichlorofluoromethane	<0.024		0.056	0.024	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Vinyl chloride	<0.015		0.056	0.015	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50
Xylenes, Total	<0.012		0.028	0.012	mg/Kg	☼	05/18/21 12:10	05/30/21 18:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*	*05/18/21 12:10*	*05/30/21 18:47*	*50*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*	*05/18/21 12:10*	*05/30/21 18:47*	*50*
Dibromofluoromethane (Surr)	*105*		*75 - 120*	*05/18/21 12:10*	*05/30/21 18:47*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*05/18/21 12:10*	*05/30/21 18:47*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0061		0.017	0.0061	mg/Kg	☼	06/01/21 08:12	06/01/21 18:51	1
PCB-1221	<0.0076		0.017	0.0076	mg/Kg	☼	06/01/21 08:12	06/01/21 18:51	1
PCB-1232	<0.0075		0.017	0.0075	mg/Kg	☼	06/01/21 08:12	06/01/21 18:51	1
PCB-1242	<0.0057		0.017	0.0057	mg/Kg	☼	06/01/21 08:12	06/01/21 18:51	1
PCB-1248	<0.0068		0.017	0.0068	mg/Kg	☼	06/01/21 08:12	06/01/21 18:51	1
PCB-1254	<0.0037		0.017	0.0037	mg/Kg	☼	06/01/21 08:12	06/01/21 18:51	1
PCB-1260	<0.0085		0.017	0.0085	mg/Kg	☼	06/01/21 08:12	06/01/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*49 - 129*	*06/01/21 08:12*	*06/01/21 18:51*	*1*
DCB Decachlorobiphenyl	*76*		*37 - 121*	*06/01/21 08:12*	*06/01/21 18:51*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-5 (1-2)
Lab Sample ID: 500-199313-3
Date Collected: 05/18/21 12:20
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 86.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.065	0.030	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,1,2-Trichloroethane	<0.023		0.065	0.023	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,1-Dichloroethane	<0.027		0.065	0.027	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2-Dibromoethane	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2-Dichlorobenzene	<0.022		0.065	0.022	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2-Dichloroethane	<0.026		0.065	0.026	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,2-Dichloropropane	<0.028		0.065	0.028	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,3-Dichlorobenzene	<0.026		0.065	0.026	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,3-Dichloropropane	<0.024		0.065	0.024	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
1,4-Dichlorobenzene	<0.024		0.065	0.024	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Benzene	<0.0095		0.016	0.0095	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Bromobenzene	<0.023		0.065	0.023	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Bromochloromethane	<0.028		0.065	0.028	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Bromodichloromethane	<0.024		0.065	0.024	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Bromoform	<0.032		0.065	0.032	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Bromomethane	<0.052		0.20	0.052	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Chlorobenzene	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Chloroethane	<0.033		0.065	0.033	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
cis-1,2-Dichloroethene	<0.027		0.065	0.027	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Dibromochloromethane	<0.032		0.065	0.032	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Dibromomethane	<0.018		0.065	0.018	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Methyl tert-butyl ether	<0.026		0.065	0.026	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Methylene Chloride	<0.11		0.33	0.11	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Naphthalene	<0.022		0.065	0.022	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
n-Butylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
p-Isopropyltoluene	<0.024		0.065	0.024	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-5 (1-2)
Lab Sample ID: 500-199313-3
Date Collected: 05/18/21 12:20
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 86.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Styrene	<0.025		0.065	0.025	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Tetrachloroethene	<0.024		0.065	0.024	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Toluene	<0.0096		0.016	0.0096	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
trans-1,3-Dichloropropene	<0.024		0.065	0.024	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Trichloroethene	<0.011		0.033	0.011	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50
Xylenes, Total	<0.014		0.033	0.014	mg/Kg	☼	05/18/21 12:20	05/31/21 18:26	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*	*05/18/21 12:20*	*05/31/21 18:26*	*50*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*	*05/18/21 12:20*	*05/31/21 18:26*	*50*
Dibromofluoromethane (Surr)	*85*		*75 - 120*	*05/18/21 12:20*	*05/31/21 18:26*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*05/18/21 12:20*	*05/31/21 18:26*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0068		0.019	0.0068	mg/Kg	☼	06/01/21 08:12	06/01/21 19:07	1
PCB-1221	<0.0084		0.019	0.0084	mg/Kg	☼	06/01/21 08:12	06/01/21 19:07	1
PCB-1232	<0.0083		0.019	0.0083	mg/Kg	☼	06/01/21 08:12	06/01/21 19:07	1
PCB-1242	<0.0063		0.019	0.0063	mg/Kg	☼	06/01/21 08:12	06/01/21 19:07	1
PCB-1248	<0.0075		0.019	0.0075	mg/Kg	☼	06/01/21 08:12	06/01/21 19:07	1
PCB-1254	<0.0041		0.019	0.0041	mg/Kg	☼	06/01/21 08:12	06/01/21 19:07	1
PCB-1260	<0.0094		0.019	0.0094	mg/Kg	☼	06/01/21 08:12	06/01/21 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*49 - 129*	*06/01/21 08:12*	*06/01/21 19:07*	*1*
DCB Decachlorobiphenyl	*92*		*37 - 121*	*06/01/21 08:12*	*06/01/21 19:07*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-6 (1-2)
Lab Sample ID: 500-199313-4
Date Collected: 05/18/21 12:30
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.032		0.070	0.032	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,1,1-Trichloroethane	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,1,2,2-Tetrachloroethane	<0.028		0.070	0.028	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,1,2-Trichloroethane	<0.025		0.070	0.025	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,1-Dichloroethane	<0.029		0.070	0.029	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,1-Dichloroethene	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,1-Dichloropropene	<0.021		0.070	0.021	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2,3-Trichlorobenzene	<0.032		0.070	0.032	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2,3-Trichloropropane	<0.029		0.14	0.029	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2,4-Trichlorobenzene	<0.024		0.070	0.024	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2,4-Trimethylbenzene	<0.025		0.070	0.025	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2-Dibromo-3-Chloropropane	<0.14		0.35	0.14	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2-Dibromoethane	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2-Dichlorobenzene	<0.023		0.070	0.023	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2-Dichloroethane	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,2-Dichloropropane	<0.030		0.070	0.030	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,3,5-Trimethylbenzene	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,3-Dichlorobenzene	<0.028		0.070	0.028	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,3-Dichloropropane	<0.025		0.070	0.025	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
1,4-Dichlorobenzene	<0.025		0.070	0.025	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
2,2-Dichloropropane	<0.031		0.070	0.031	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
2-Chlorotoluene	<0.022		0.070	0.022	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
4-Chlorotoluene	<0.024		0.070	0.024	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Benzene	<0.010		0.017	0.010	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Bromobenzene	<0.025		0.070	0.025	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Bromochloromethane	<0.030		0.070	0.030	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Bromodichloromethane	<0.026		0.070	0.026	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Bromoform	<0.034		0.070	0.034	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Bromomethane	<0.056		0.21	0.056	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Carbon tetrachloride	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Chlorobenzene	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Chloroethane	<0.035		0.070	0.035	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Chloroform	<0.026		0.14	0.026	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Chloromethane	<0.022		0.070	0.022	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
cis-1,2-Dichloroethene	<0.028		0.070	0.028	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
cis-1,3-Dichloropropene	<0.029		0.070	0.029	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Dibromochloromethane	<0.034		0.070	0.034	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Dibromomethane	<0.019		0.070	0.019	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Dichlorodifluoromethane	<0.047		0.21	0.047	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Ethylbenzene	<0.013		0.017	0.013	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Hexachlorobutadiene	<0.031		0.070	0.031	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Isopropyl ether	<0.019		0.070	0.019	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Isopropylbenzene	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Methyl tert-butyl ether	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Methylene Chloride	<0.11		0.35	0.11	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Naphthalene	**0.053**	**J**	0.070	0.023	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
n-Butylbenzene	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
N-Propylbenzene	<0.029		0.070	0.029	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
p-Isopropyltoluene	<0.025		0.070	0.025	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-6 (1-2)
Lab Sample ID: 500-199313-4
Date Collected: 05/18/21 12:30
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.028		0.070	0.028	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Styrene	<0.027		0.070	0.027	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
tert-Butylbenzene	<0.028		0.070	0.028	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Tetrachloroethene	<0.026		0.070	0.026	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Toluene	<0.010		0.017	0.010	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
trans-1,2-Dichloroethene	<0.024		0.070	0.024	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
trans-1,3-Dichloropropene	<0.025		0.070	0.025	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Trichloroethene	<0.011		0.035	0.011	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Trichlorofluoromethane	<0.030		0.070	0.030	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Vinyl chloride	<0.018		0.070	0.018	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50
Xylenes, Total	<0.015		0.035	0.015	mg/Kg	☼	05/18/21 12:30	05/31/21 18:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*	*05/18/21 12:30*	*05/31/21 18:54*	*50*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*	*05/18/21 12:30*	*05/31/21 18:54*	*50*
Dibromofluoromethane (Surr)	*82*		*75 - 120*	*05/18/21 12:30*	*05/31/21 18:54*	*50*
Toluene-d8 (Surr)	*96*		*75 - 120*	*05/18/21 12:30*	*05/31/21 18:54*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.069		0.19	0.069	mg/Kg	☼	06/01/21 08:12	06/02/21 09:16	10
PCB-1221	<0.085		0.19	0.085	mg/Kg	☼	06/01/21 08:12	06/02/21 09:16	10
PCB-1232	<0.085		0.19	0.085	mg/Kg	☼	06/01/21 08:12	06/02/21 09:16	10
PCB-1242	<0.064		0.19	0.064	mg/Kg	☼	06/01/21 08:12	06/02/21 09:16	10
PCB-1248	<0.076		0.19	0.076	mg/Kg	☼	06/01/21 08:12	06/02/21 09:16	10
PCB-1254	**1.6**		0.19	0.042	mg/Kg	☼	06/01/21 08:12	06/02/21 09:16	10
PCB-1260	<0.095		0.19	0.095	mg/Kg	☼	06/01/21 08:12	06/02/21 09:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*116*		*49 - 129*	*06/01/21 08:12*	*06/02/21 09:16*	*10*
DCB Decachlorobiphenyl	*598*	*S1+*	*37 - 121*	*06/01/21 08:12*	*06/02/21 09:16*	*10*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Prep Batch: 599859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-199313-1	WB-RTS-3 (1-2)	Total/NA	Solid	5035	
500-199313-2	WB-RTS-4 (1-2)	Total/NA	Solid	5035	
500-199313-3	WB-RTS-5 (1-2)	Total/NA	Solid	5035	
500-199313-4	WB-RTS-6 (1-2)	Total/NA	Solid	5035	
LB3 500-599859/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-599859/20-A	Lab Control Sample	Total/NA	Solid	5035	
500-199313-2 MS	WB-RTS-4 (1-2)	Total/NA	Solid	5035	
500-199313-2 MSD	WB-RTS-4 (1-2)	Total/NA	Solid	5035	

Analysis Batch: 601201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-599859/19-A	Method Blank	Total/NA	Solid	8260B	599859
MB 500-601201/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-599859/20-A	Lab Control Sample	Total/NA	Solid	8260B	599859
LCS 500-601201/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 601545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-199313-1	WB-RTS-3 (1-2)	Total/NA	Solid	8260B	599859
500-199313-2	WB-RTS-4 (1-2)	Total/NA	Solid	8260B	599859
MB 500-601545/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-601545/4	Lab Control Sample	Total/NA	Solid	8260B	
500-199313-2 MS	WB-RTS-4 (1-2)	Total/NA	Solid	8260B	599859
500-199313-2 MSD	WB-RTS-4 (1-2)	Total/NA	Solid	8260B	599859

Analysis Batch: 601553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-199313-3	WB-RTS-5 (1-2)	Total/NA	Solid	8260B	599859
500-199313-4	WB-RTS-6 (1-2)	Total/NA	Solid	8260B	599859
MB 500-601553/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-601553/4	Lab Control Sample	Total/NA	Solid	8260B	

GC Semi VOA

Prep Batch: 601664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-199313-1	WB-RTS-3 (1-2)	Total/NA	Solid	3541	
500-199313-2	WB-RTS-4 (1-2)	Total/NA	Solid	3541	
500-199313-3	WB-RTS-5 (1-2)	Total/NA	Solid	3541	
500-199313-4	WB-RTS-6 (1-2)	Total/NA	Solid	3541	
MB 500-601664/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-601664/24-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 601769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-199313-1	WB-RTS-3 (1-2)	Total/NA	Solid	8082A	601664
500-199313-2	WB-RTS-4 (1-2)	Total/NA	Solid	8082A	601664
500-199313-3	WB-RTS-5 (1-2)	Total/NA	Solid	8082A	601664
MB 500-601664/1-A	Method Blank	Total/NA	Solid	8082A	601664
LCS 500-601664/24-A	Lab Control Sample	Total/NA	Solid	8082A	601664

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

GC Semi VOA

Analysis Batch: 601835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-199313-4	WB-RTS-6 (1-2)	Total/NA	Solid	8082A	601664

General Chemistry

Analysis Batch: 600712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-199313-1	WB-RTS-3 (1-2)	Total/NA	Solid	Moisture	
500-199313-2	WB-RTS-4 (1-2)	Total/NA	Solid	Moisture	
500-199313-3	WB-RTS-5 (1-2)	Total/NA	Solid	Moisture	
500-199313-4	WB-RTS-6 (1-2)	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-199313-1	WB-RTS-3 (1-2)	97	113	100	105
500-199313-2	WB-RTS-4 (1-2)	98	108	105	91
500-199313-2 MS	WB-RTS-4 (1-2)	97	96	110	98
500-199313-2 MSD	WB-RTS-4 (1-2)	94	107	102	108
500-199313-3	WB-RTS-5 (1-2)	97	91	85	95
500-199313-4	WB-RTS-6 (1-2)	96	89	82	96
LB3 500-599859/19-A	Method Blank	100	96	93	98
LCS 500-599859/20-A	Lab Control Sample	97	98	96	99
LCS 500-601201/4	Lab Control Sample	99	98	94	101
LCS 500-601545/4	Lab Control Sample	89	97	99	98
LCS 500-601553/4	Lab Control Sample	95	89	92	98
MB 500-601201/6	Method Blank	99	105	92	100
MB 500-601545/6	Method Blank	95	112	99	88
MB 500-601553/6	Method Blank	96	93	88	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-199313-1	WB-RTS-3 (1-2)	88	86
500-199313-2	WB-RTS-4 (1-2)	89	76
500-199313-3	WB-RTS-5 (1-2)	72	92
500-199313-4	WB-RTS-6 (1-2)	116	598 S1+
LCS 500-601664/24-A	Lab Control Sample	100	103
MB 500-601664/1-A	Method Blank	99	100

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-599859/19-A
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 599859

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Bromoform	<0.024		0.050	0.024	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Chloroform	<0.019		0.10	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		05/19/21 23:35	05/27/21 22:56	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-599859/19-A
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 599859

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Styrene	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		05/19/21 23:35	05/27/21 22:56	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		05/19/21 23:35	05/27/21 22:56	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*	*05/19/21 23:35*	*05/27/21 22:56*	*50*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*	*05/19/21 23:35*	*05/27/21 22:56*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 120*	*05/19/21 23:35*	*05/27/21 22:56*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*05/19/21 23:35*	*05/27/21 22:56*	*50*

Lab Sample ID: LCS 500-599859/20-A
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 599859

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.60		mg/Kg		104	70 - 125
1,1,1-Trichloroethane	2.50	2.67		mg/Kg		107	70 - 125
1,1,2,2-Tetrachloroethane	2.50	2.48		mg/Kg		99	62 - 140
1,1,2-Trichloroethane	2.50	2.56		mg/Kg		102	71 - 130
1,1-Dichloroethane	2.50	3.06		mg/Kg		122	70 - 125
1,1-Dichloroethene	2.50	2.55		mg/Kg		102	67 - 122
1,1-Dichloropropene	2.50	2.66		mg/Kg		106	70 - 121
1,2,3-Trichlorobenzene	2.50	1.81		mg/Kg		72	51 - 145
1,2,3-Trichloropropane	2.50	2.57		mg/Kg		103	50 - 133
1,2,4-Trichlorobenzene	2.50	2.01		mg/Kg		80	57 - 137
1,2,4-Trimethylbenzene	2.50	2.73		mg/Kg		109	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.60		mg/Kg		64	56 - 123
1,2-Dibromoethane	2.50	2.53		mg/Kg		101	70 - 125
1,2-Dichlorobenzene	2.50	2.54		mg/Kg		101	70 - 125
1,2-Dichloroethane	2.50	2.80		mg/Kg		112	68 - 127
1,2-Dichloropropane	2.50	3.10		mg/Kg		124	67 - 130
1,3,5-Trimethylbenzene	2.50	2.76		mg/Kg		110	70 - 123
1,3-Dichlorobenzene	2.50	2.68		mg/Kg		107	70 - 125
1,3-Dichloropropane	2.50	2.56		mg/Kg		102	62 - 136
1,4-Dichlorobenzene	2.50	2.62		mg/Kg		105	70 - 120
2,2-Dichloropropane	2.50	2.73		mg/Kg		109	58 - 139
2-Chlorotoluene	2.50	2.80		mg/Kg		112	70 - 125
4-Chlorotoluene	2.50	2.75		mg/Kg		110	68 - 124
Benzene	2.50	2.71		mg/Kg		108	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-599859/20-A
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 599859

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	2.74		mg/Kg		110	70 - 122
Bromochloromethane	2.50	2.59		mg/Kg		103	65 - 122
Bromodichloromethane	2.50	2.48		mg/Kg		99	69 - 120
Bromoform	2.50	2.14		mg/Kg		86	56 - 132
Bromomethane	2.50	2.65		mg/Kg		106	40 - 152
Carbon tetrachloride	2.50	2.61		mg/Kg		104	59 - 133
Chlorobenzene	2.50	2.71		mg/Kg		108	70 - 120
Chloroethane	2.50	2.67		mg/Kg		107	48 - 136
Chloroform	2.50	2.57		mg/Kg		103	70 - 120
Chloromethane	2.50	3.62		mg/Kg		145	56 - 152
cis-1,2-Dichloroethene	2.50	2.71		mg/Kg		108	70 - 125
cis-1,3-Dichloropropene	2.50	2.44		mg/Kg		97	64 - 127
Dibromochloromethane	2.50	2.27		mg/Kg		91	68 - 125
Dibromomethane	2.50	2.58		mg/Kg		103	70 - 120
Dichlorodifluoromethane	2.50	1.91		mg/Kg		77	40 - 159
Ethylbenzene	2.50	2.67		mg/Kg		107	70 - 123
Hexachlorobutadiene	2.50	2.46		mg/Kg		98	51 - 150
Isopropylbenzene	2.50	2.88		mg/Kg		115	70 - 126
Methyl tert-butyl ether	2.50	2.15		mg/Kg		86	55 - 123
Methylene Chloride	2.50	2.64		mg/Kg		106	69 - 125
Naphthalene	2.50	1.64		mg/Kg		66	53 - 144
n-Butylbenzene	2.50	2.65		mg/Kg		106	68 - 125
N-Propylbenzene	2.50	2.82		mg/Kg		113	69 - 127
p-Isopropyltoluene	2.50	2.73		mg/Kg		109	70 - 125
sec-Butylbenzene	2.50	2.79		mg/Kg		112	70 - 123
Styrene	2.50	2.68		mg/Kg		107	70 - 120
tert-Butylbenzene	2.50	2.86		mg/Kg		114	70 - 121
Tetrachloroethene	2.50	2.62		mg/Kg		105	70 - 128
Toluene	2.50	2.75		mg/Kg		110	70 - 125
trans-1,2-Dichloroethene	2.50	2.65		mg/Kg		106	70 - 125
trans-1,3-Dichloropropene	2.50	2.32		mg/Kg		93	62 - 128
Trichloroethene	2.50	2.78		mg/Kg		111	70 - 125
Trichlorofluoromethane	2.50	2.72		mg/Kg		109	55 - 128
Vinyl chloride	2.50	3.06		mg/Kg		122	64 - 126
Xylenes, Total	5.00	5.32		mg/Kg		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*96*		*75 - 120*
Toluene-d8 (Surr)	*99*		*75 - 120*

Lab Sample ID: 500-199313-2 MS
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: WB-RTS-4 (1-2)
Prep Type: Total/NA
Prep Batch: 599859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.026		2.81	2.74		mg/Kg	☼	97	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-199313-2 MS
Client Sample ID: WB-RTS-4 (1-2)
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 601545
Prep Batch: 599859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.021		2.81	3.09		mg/Kg	☼	110	70 - 125
1,1,2,2-Tetrachloroethane	<0.022		2.81	2.25		mg/Kg	☼	80	62 - 140
1,1,2-Trichloroethane	<0.020		2.81	2.32		mg/Kg	☼	82	71 - 130
1,1-Dichloroethane	<0.023		2.81	2.81		mg/Kg	☼	100	70 - 125
1,1-Dichloroethene	<0.022		2.81	2.46		mg/Kg	☼	87	67 - 122
1,1-Dichloropropene	<0.017		2.81	2.78		mg/Kg	☼	99	70 - 121
1,2,3-Trichlorobenzene	<0.026		2.81	2.35		mg/Kg	☼	84	51 - 145
1,2,3-Trichloropropane	<0.023		2.81	2.30		mg/Kg	☼	82	50 - 133
1,2,4-Trichlorobenzene	<0.019		2.81	2.38		mg/Kg	☼	84	57 - 137
1,2,4-Trimethylbenzene	<0.020		2.81	2.53		mg/Kg	☼	90	70 - 123
1,2-Dibromo-3-Chloropropane	<0.11		2.81	1.88		mg/Kg	☼	67	56 - 123
1,2-Dibromoethane	<0.022		2.81	2.30		mg/Kg	☼	82	70 - 125
1,2-Dichlorobenzene	<0.019		2.81	2.54		mg/Kg	☼	90	70 - 125
1,2-Dichloroethane	<0.022		2.81	2.48		mg/Kg	☼	88	68 - 127
1,2-Dichloropropane	<0.024		2.81	2.60		mg/Kg	☼	92	67 - 130
1,3,5-Trimethylbenzene	<0.021		2.81	2.53		mg/Kg	☼	90	70 - 123
1,3-Dichlorobenzene	<0.022		2.81	2.55		mg/Kg	☼	91	70 - 125
1,3-Dichloropropane	<0.020		2.81	2.41		mg/Kg	☼	86	62 - 136
1,4-Dichlorobenzene	<0.020		2.81	2.46		mg/Kg	☼	87	70 - 120
2,2-Dichloropropane	<0.025		2.81	3.21		mg/Kg	☼	114	58 - 139
2-Chlorotoluene	<0.018		2.81	2.56		mg/Kg	☼	91	70 - 125
4-Chlorotoluene	<0.020		2.81	2.48		mg/Kg	☼	88	68 - 124
Benzene	<0.0082		2.81	2.54		mg/Kg	☼	90	70 - 120
Bromobenzene	<0.020		2.81	2.52		mg/Kg	☼	90	70 - 122
Bromochloromethane	<0.024		2.81	2.77		mg/Kg	☼	99	65 - 122
Bromodichloromethane	<0.021		2.81	2.38		mg/Kg	☼	85	69 - 120
Bromoform	<0.027		2.81	2.34		mg/Kg	☼	83	56 - 132
Bromomethane	<0.045		2.81	2.14		mg/Kg	☼	76	40 - 152
Carbon tetrachloride	<0.022		2.81	2.60		mg/Kg	☼	93	59 - 133
Chlorobenzene	<0.022		2.81	2.66		mg/Kg	☼	95	70 - 120
Chloroethane	<0.028		2.81	2.16		mg/Kg	☼	77	48 - 136
Chloroform	<0.021		2.81	2.69		mg/Kg	☼	96	70 - 120
Chloromethane	<0.018		2.81	2.60		mg/Kg	☼	93	56 - 152
cis-1,2-Dichloroethene	<0.023		2.81	2.78		mg/Kg	☼	99	70 - 125
cis-1,3-Dichloropropene	<0.023		2.81	2.27		mg/Kg	☼	81	64 - 127
Dibromochloromethane	<0.027		2.81	2.30		mg/Kg	☼	82	68 - 125
Dibromomethane	<0.015		2.81	2.47		mg/Kg	☼	88	70 - 120
Dichlorodifluoromethane	<0.038		2.81	1.39		mg/Kg	☼	50	40 - 159
Ethylbenzene	<0.010		2.81	2.57		mg/Kg	☼	91	70 - 123
Hexachlorobutadiene	<0.025		2.81	3.22		mg/Kg	☼	114	51 - 150
Isopropylbenzene	<0.022		2.81	2.59		mg/Kg	☼	92	70 - 126
Methyl tert-butyl ether	<0.022		2.81	2.22		mg/Kg	☼	79	55 - 123
Methylene Chloride	<0.092		2.81	2.47		mg/Kg	☼	88	69 - 125
Naphthalene	<0.019		2.81	2.10		mg/Kg	☼	75	53 - 144
n-Butylbenzene	<0.022		2.81	2.62		mg/Kg	☼	93	68 - 125
N-Propylbenzene	<0.023		2.81	2.57		mg/Kg	☼	91	69 - 127
p-Isopropyltoluene	<0.020		2.81	2.64		mg/Kg	☼	94	70 - 125
sec-Butylbenzene	<0.022		2.81	2.58		mg/Kg	☼	92	70 - 123
Styrene	<0.022		2.81	2.52		mg/Kg	☼	90	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-199313-2 MS
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: WB-RTS-4 (1-2)
Prep Type: Total/NA
Prep Batch: 599859

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.022		2.81	2.67		mg/Kg	☼	95	70 - 121
Tetrachloroethene	<0.021		2.81	2.72		mg/Kg	☼	97	70 - 128
Toluene	<0.0083		2.81	2.43		mg/Kg	☼	86	70 - 125
trans-1,2-Dichloroethene	<0.020		2.81	2.57		mg/Kg	☼	92	70 - 125
trans-1,3-Dichloropropene	<0.020		2.81	2.18		mg/Kg	☼	77	62 - 128
Trichloroethene	<0.0092		2.81	2.66		mg/Kg	☼	95	70 - 125
Trichlorofluoromethane	<0.024		2.81	2.24		mg/Kg	☼	80	55 - 128
Vinyl chloride	<0.015		2.81	2.42		mg/Kg	☼	86	64 - 126
Xylenes, Total	<0.012		5.62	5.12		mg/Kg	☼	91	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane (Surr)	*110*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: 500-199313-2 MSD
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: WB-RTS-4 (1-2)
Prep Type: Total/NA
Prep Batch: 599859

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.026		2.81	2.87		mg/Kg	☼	102	70 - 125	5	30
1,1,1-Trichloroethane	<0.021		2.81	3.13		mg/Kg	☼	111	70 - 125	1	30
1,1,2,2-Tetrachloroethane	<0.022		2.81	2.53		mg/Kg	☼	90	62 - 140	12	30
1,1,2-Trichloroethane	<0.020		2.81	2.46		mg/Kg	☼	87	71 - 130	6	30
1,1-Dichloroethane	<0.023		2.81	2.86		mg/Kg	☼	102	70 - 125	2	30
1,1-Dichloroethene	<0.022		2.81	2.56		mg/Kg	☼	91	67 - 122	4	30
1,1-Dichloropropene	<0.017		2.81	2.82		mg/Kg	☼	100	70 - 121	2	30
1,2,3-Trichlorobenzene	<0.026		2.81	2.57		mg/Kg	☼	91	51 - 145	9	30
1,2,3-Trichloropropane	<0.023		2.81	2.49		mg/Kg	☼	88	50 - 133	8	30
1,2,4-Trichlorobenzene	<0.019		2.81	2.62		mg/Kg	☼	93	57 - 137	10	30
1,2,4-Trimethylbenzene	<0.020		2.81	2.59		mg/Kg	☼	92	70 - 123	2	30
1,2-Dibromo-3-Chloropropane	<0.11		2.81	1.98		mg/Kg	☼	70	56 - 123	5	30
1,2-Dibromoethane	<0.022		2.81	2.45		mg/Kg	☼	87	70 - 125	6	30
1,2-Dichlorobenzene	<0.019		2.81	2.61		mg/Kg	☼	93	70 - 125	3	30
1,2-Dichloroethane	<0.022		2.81	2.57		mg/Kg	☼	92	68 - 127	4	30
1,2-Dichloropropane	<0.024		2.81	2.79		mg/Kg	☼	99	67 - 130	7	30
1,3,5-Trimethylbenzene	<0.021		2.81	2.77		mg/Kg	☼	98	70 - 123	9	30
1,3-Dichlorobenzene	<0.022		2.81	2.66		mg/Kg	☼	95	70 - 125	4	30
1,3-Dichloropropane	<0.020		2.81	2.57		mg/Kg	☼	91	62 - 136	7	30
1,4-Dichlorobenzene	<0.020		2.81	2.59		mg/Kg	☼	92	70 - 120	5	30
2,2-Dichloropropane	<0.025		2.81	3.31		mg/Kg	☼	118	58 - 139	3	30
2-Chlorotoluene	<0.018		2.81	2.86		mg/Kg	☼	102	70 - 125	11	30
4-Chlorotoluene	<0.020		2.81	2.76		mg/Kg	☼	98	68 - 124	11	30
Benzene	<0.0082		2.81	2.66		mg/Kg	☼	95	70 - 120	5	30
Bromobenzene	<0.020		2.81	2.85		mg/Kg	☼	101	70 - 122	12	30
Bromochloromethane	<0.024		2.81	2.79		mg/Kg	☼	99	65 - 122	1	30
Bromodichloromethane	<0.021		2.81	2.55		mg/Kg	☼	91	69 - 120	7	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-199313-2 MSD
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: WB-RTS-4 (1-2)
Prep Type: Total/NA
Prep Batch: 599859

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.027		2.81	2.81		mg/Kg	☼	100	56 - 132	19	30
Bromomethane	<0.045		2.81	2.06		mg/Kg	☼	73	40 - 152	4	30
Carbon tetrachloride	<0.022		2.81	2.73		mg/Kg	☼	97	59 - 133	5	30
Chlorobenzene	<0.022		2.81	2.74		mg/Kg	☼	98	70 - 120	3	30
Chloroethane	<0.028		2.81	2.05		mg/Kg	☼	73	48 - 136	5	30
Chloroform	<0.021		2.81	2.71		mg/Kg	☼	96	70 - 120	1	30
Chloromethane	<0.018		2.81	2.46		mg/Kg	☼	87	56 - 152	6	30
cis-1,2-Dichloroethene	<0.023		2.81	2.74		mg/Kg	☼	97	70 - 125	1	30
cis-1,3-Dichloropropene	<0.023		2.81	2.65		mg/Kg	☼	94	64 - 127	15	30
Dibromochloromethane	<0.027		2.81	2.44		mg/Kg	☼	87	68 - 125	6	30
Dibromomethane	<0.015		2.81	2.55		mg/Kg	☼	91	70 - 120	3	30
Dichlorodifluoromethane	<0.038		2.81	1.35		mg/Kg	☼	48	40 - 159	3	30
Ethylbenzene	<0.010		2.81	2.68		mg/Kg	☼	95	70 - 123	4	30
Hexachlorobutadiene	<0.025		2.81	3.27		mg/Kg	☼	116	51 - 150	2	30
Isopropylbenzene	<0.022		2.81	2.92		mg/Kg	☼	104	70 - 126	12	30
Methyl tert-butyl ether	<0.022		2.81	2.36		mg/Kg	☼	84	55 - 123	6	30
Methylene Chloride	<0.092		2.81	2.54		mg/Kg	☼	90	69 - 125	3	30
Naphthalene	<0.019		2.81	2.27		mg/Kg	☼	81	53 - 144	8	30
n-Butylbenzene	<0.022		2.81	2.69		mg/Kg	☼	96	68 - 125	2	30
N-Propylbenzene	<0.023		2.81	3.02		mg/Kg	☼	107	69 - 127	16	30
p-Isopropyltoluene	<0.020		2.81	2.73		mg/Kg	☼	97	70 - 125	3	30
sec-Butylbenzene	<0.022		2.81	2.65		mg/Kg	☼	94	70 - 123	3	30
Styrene	<0.022		2.81	2.77		mg/Kg	☼	99	70 - 120	9	30
tert-Butylbenzene	<0.022		2.81	2.75		mg/Kg	☼	98	70 - 121	3	30
Tetrachloroethene	<0.021		2.81	2.98		mg/Kg	☼	106	70 - 128	9	30
Toluene	<0.0083		2.81	2.86		mg/Kg	☼	102	70 - 125	16	30
trans-1,2-Dichloroethene	<0.020		2.81	2.78		mg/Kg	☼	99	70 - 125	8	30
trans-1,3-Dichloropropene	<0.020		2.81	2.45		mg/Kg	☼	87	62 - 128	12	30
Trichloroethene	<0.0092		2.81	2.81		mg/Kg	☼	100	70 - 125	5	30
Trichlorofluoromethane	<0.024		2.81	2.22		mg/Kg	☼	79	55 - 128	1	30
Vinyl chloride	<0.015		2.81	2.33		mg/Kg	☼	83	64 - 126	4	30
Xylenes, Total	<0.012		5.62	5.60		mg/Kg	☼	100	70 - 125	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
4-Bromofluorobenzene (Surr)	*107*		*72 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 120*
Toluene-d8 (Surr)	*108*		*75 - 120*

Lab Sample ID: MB 500-601201/6
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			05/27/21 22:31	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			05/27/21 22:31	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			05/27/21 22:31	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			05/27/21 22:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-601201/6
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			05/27/21 22:31	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			05/27/21 22:31	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			05/27/21 22:31	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			05/27/21 22:31	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			05/27/21 22:31	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			05/27/21 22:31	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			05/27/21 22:31	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			05/27/21 22:31	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			05/27/21 22:31	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			05/27/21 22:31	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			05/27/21 22:31	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			05/27/21 22:31	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/27/21 22:31	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			05/27/21 22:31	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			05/27/21 22:31	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/27/21 22:31	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			05/27/21 22:31	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			05/27/21 22:31	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			05/27/21 22:31	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			05/27/21 22:31	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/27/21 22:31	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			05/27/21 22:31	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			05/27/21 22:31	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			05/27/21 22:31	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			05/27/21 22:31	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			05/27/21 22:31	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			05/27/21 22:31	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			05/27/21 22:31	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			05/27/21 22:31	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			05/27/21 22:31	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			05/27/21 22:31	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			05/27/21 22:31	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			05/27/21 22:31	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			05/27/21 22:31	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			05/27/21 22:31	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			05/27/21 22:31	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			05/27/21 22:31	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			05/27/21 22:31	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/27/21 22:31	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			05/27/21 22:31	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			05/27/21 22:31	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			05/27/21 22:31	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			05/27/21 22:31	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			05/27/21 22:31	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			05/27/21 22:31	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/27/21 22:31	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			05/27/21 22:31	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/27/21 22:31	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			05/27/21 22:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-601201/6
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00015		0.00025	0.00015	mg/Kg			05/27/21 22:31	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			05/27/21 22:31	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			05/27/21 22:31	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			05/27/21 22:31	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			05/27/21 22:31	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			05/27/21 22:31	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			05/27/21 22:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/27/21 22:31*	*1*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*05/27/21 22:31*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*05/27/21 22:31*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/27/21 22:31*	*1*

Lab Sample ID: LCS 500-601201/4
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0437		mg/Kg		87	70 - 125
1,1,1-Trichloroethane	0.0500	0.0439		mg/Kg		88	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0435		mg/Kg		87	62 - 140
1,1,2-Trichloroethane	0.0500	0.0436		mg/Kg		87	71 - 130
1,1-Dichloroethane	0.0500	0.0486		mg/Kg		97	70 - 125
1,1-Dichloroethene	0.0500	0.0436		mg/Kg		87	67 - 122
1,1-Dichloropropene	0.0500	0.0431		mg/Kg		86	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0380		mg/Kg		76	51 - 145
1,2,3-Trichloropropane	0.0500	0.0456		mg/Kg		91	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0370		mg/Kg		74	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0453		mg/Kg		91	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0311		mg/Kg		62	56 - 123
1,2-Dibromoethane	0.0500	0.0433		mg/Kg		87	70 - 125
1,2-Dichlorobenzene	0.0500	0.0429		mg/Kg		86	70 - 125
1,2-Dichloroethane	0.0500	0.0453		mg/Kg		91	68 - 127
1,2-Dichloropropane	0.0500	0.0496		mg/Kg		99	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0459		mg/Kg		92	70 - 123
1,3-Dichlorobenzene	0.0500	0.0437		mg/Kg		87	70 - 125
1,3-Dichloropropane	0.0500	0.0436		mg/Kg		87	62 - 136
1,4-Dichlorobenzene	0.0500	0.0429		mg/Kg		86	70 - 120
2,2-Dichloropropane	0.0500	0.0451		mg/Kg		90	58 - 139
2-Chlorotoluene	0.0500	0.0468		mg/Kg		94	70 - 125
4-Chlorotoluene	0.0500	0.0459		mg/Kg		92	68 - 124
Benzene	0.0500	0.0439		mg/Kg		88	70 - 120
Bromobenzene	0.0500	0.0462		mg/Kg		92	70 - 122
Bromochloromethane	0.0500	0.0421		mg/Kg		84	65 - 122
Bromodichloromethane	0.0500	0.0409		mg/Kg		82	69 - 120
Bromoform	0.0500	0.0375		mg/Kg		75	56 - 132
Bromomethane	0.0500	0.0447		mg/Kg		89	40 - 152

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-601201/4
Matrix: Solid
Analysis Batch: 601201

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0425		mg/Kg		85	59 - 133
Chlorobenzene	0.0500	0.0447		mg/Kg		89	70 - 120
Chloroethane	0.0500	0.0453		mg/Kg		91	48 - 136
Chloroform	0.0500	0.0412		mg/Kg		82	70 - 120
Chloromethane	0.0500	0.0545		mg/Kg		109	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0427		mg/Kg		85	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0424		mg/Kg		85	64 - 127
Dibromochloromethane	0.0500	0.0393		mg/Kg		79	68 - 125
Dibromomethane	0.0500	0.0427		mg/Kg		85	70 - 120
Dichlorodifluoromethane	0.0500	0.0343		mg/Kg		69	40 - 159
Ethylbenzene	0.0500	0.0449		mg/Kg		90	70 - 123
Hexachlorobutadiene	0.0500	0.0424		mg/Kg		85	51 - 150
Isopropylbenzene	0.0500	0.0481		mg/Kg		96	70 - 126
Methyl tert-butyl ether	0.0500	0.0361		mg/Kg		72	55 - 123
Methylene Chloride	0.0500	0.0434		mg/Kg		87	69 - 125
Naphthalene	0.0500	0.0359		mg/Kg		72	53 - 144
n-Butylbenzene	0.0500	0.0440		mg/Kg		88	68 - 125
N-Propylbenzene	0.0500	0.0472		mg/Kg		94	69 - 127
p-Isopropyltoluene	0.0500	0.0453		mg/Kg		91	70 - 125
sec-Butylbenzene	0.0500	0.0462		mg/Kg		92	70 - 123
Styrene	0.0500	0.0443		mg/Kg		89	70 - 120
tert-Butylbenzene	0.0500	0.0467		mg/Kg		93	70 - 121
Tetrachloroethene	0.0500	0.0435		mg/Kg		87	70 - 128
Toluene	0.0500	0.0458		mg/Kg		92	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0435		mg/Kg		87	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0401		mg/Kg		80	62 - 128
Trichloroethene	0.0500	0.0442		mg/Kg		88	70 - 125
Trichlorofluoromethane	0.0500	0.0392		mg/Kg		78	55 - 128
Vinyl chloride	0.0500	0.0452		mg/Kg		90	64 - 126
Xylenes, Total	0.100	0.0887		mg/Kg		89	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*94*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: MB 500-601545/6
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			05/30/21 10:52	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			05/30/21 10:52	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			05/30/21 10:52	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			05/30/21 10:52	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			05/30/21 10:52	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			05/30/21 10:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-601545/6
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			05/30/21 10:52	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			05/30/21 10:52	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			05/30/21 10:52	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			05/30/21 10:52	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			05/30/21 10:52	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			05/30/21 10:52	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			05/30/21 10:52	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			05/30/21 10:52	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			05/30/21 10:52	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			05/30/21 10:52	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/30/21 10:52	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			05/30/21 10:52	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			05/30/21 10:52	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/30/21 10:52	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			05/30/21 10:52	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			05/30/21 10:52	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			05/30/21 10:52	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			05/30/21 10:52	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/30/21 10:52	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			05/30/21 10:52	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			05/30/21 10:52	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			05/30/21 10:52	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			05/30/21 10:52	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			05/30/21 10:52	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			05/30/21 10:52	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			05/30/21 10:52	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			05/30/21 10:52	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			05/30/21 10:52	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			05/30/21 10:52	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			05/30/21 10:52	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			05/30/21 10:52	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			05/30/21 10:52	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			05/30/21 10:52	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			05/30/21 10:52	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			05/30/21 10:52	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			05/30/21 10:52	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/30/21 10:52	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			05/30/21 10:52	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			05/30/21 10:52	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			05/30/21 10:52	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			05/30/21 10:52	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			05/30/21 10:52	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			05/30/21 10:52	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/30/21 10:52	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			05/30/21 10:52	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/30/21 10:52	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			05/30/21 10:52	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			05/30/21 10:52	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			05/30/21 10:52	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-601545/6
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			05/30/21 10:52	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			05/30/21 10:52	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			05/30/21 10:52	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			05/30/21 10:52	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			05/30/21 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*05/30/21 10:52*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*05/30/21 10:52*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 120*		*05/30/21 10:52*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*05/30/21 10:52*	*1*

Lab Sample ID: LCS 500-601545/4
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0504		mg/Kg		101	70 - 125
1,1,1-Trichloroethane	0.0500	0.0529		mg/Kg		106	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0390		mg/Kg		78	62 - 140
1,1,2-Trichloroethane	0.0500	0.0391		mg/Kg		78	71 - 130
1,1-Dichloroethane	0.0500	0.0478		mg/Kg		96	70 - 125
1,1-Dichloroethene	0.0500	0.0476		mg/Kg		95	67 - 122
1,1-Dichloropropene	0.0500	0.0480		mg/Kg		96	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0423		mg/Kg		85	51 - 145
1,2,3-Trichloropropane	0.0500	0.0400		mg/Kg		80	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0443		mg/Kg		89	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0475		mg/Kg		95	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0364		mg/Kg		73	56 - 123
1,2-Dibromoethane	0.0500	0.0392		mg/Kg		78	70 - 125
1,2-Dichlorobenzene	0.0500	0.0438		mg/Kg		88	70 - 125
1,2-Dichloroethane	0.0500	0.0408		mg/Kg		82	68 - 127
1,2-Dichloropropane	0.0500	0.0448		mg/Kg		90	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0460		mg/Kg		92	70 - 123
1,3-Dichlorobenzene	0.0500	0.0472		mg/Kg		94	70 - 125
1,3-Dichloropropane	0.0500	0.0386		mg/Kg		77	62 - 136
1,4-Dichlorobenzene	0.0500	0.0446		mg/Kg		89	70 - 120
2,2-Dichloropropane	0.0500	0.0580		mg/Kg		116	58 - 139
2-Chlorotoluene	0.0500	0.0459		mg/Kg		92	70 - 125
4-Chlorotoluene	0.0500	0.0449		mg/Kg		90	68 - 124
Benzene	0.0500	0.0439		mg/Kg		88	70 - 120
Bromobenzene	0.0500	0.0443		mg/Kg		89	70 - 122
Bromochloromethane	0.0500	0.0451		mg/Kg		90	65 - 122
Bromodichloromethane	0.0500	0.0419		mg/Kg		84	69 - 120
Bromoform	0.0500	0.0399		mg/Kg		80	56 - 132
Bromomethane	0.0500	0.0416		mg/Kg		83	40 - 152
Carbon tetrachloride	0.0500	0.0478		mg/Kg		96	59 - 133
Chlorobenzene	0.0500	0.0472		mg/Kg		94	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-601545/4
Matrix: Solid
Analysis Batch: 601545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	0.0500	0.0484		mg/Kg		97	48 - 136
Chloroform	0.0500	0.0456		mg/Kg		91	70 - 120
Chloromethane	0.0500	0.0513		mg/Kg		103	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0455		mg/Kg		91	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0398		mg/Kg		80	64 - 127
Dibromochloromethane	0.0500	0.0409		mg/Kg		82	68 - 125
Dibromomethane	0.0500	0.0404		mg/Kg		81	70 - 120
Dichlorodifluoromethane	0.0500	0.0332		mg/Kg		66	40 - 159
Ethylbenzene	0.0500	0.0494		mg/Kg		99	70 - 123
Hexachlorobutadiene	0.0500	0.0576		mg/Kg		115	51 - 150
Isopropylbenzene	0.0500	0.0467		mg/Kg		93	70 - 126
Methyl tert-butyl ether	0.0500	0.0379		mg/Kg		76	55 - 123
Methylene Chloride	0.0500	0.0424		mg/Kg		85	69 - 125
Naphthalene	0.0500	0.0363		mg/Kg		73	53 - 144
n-Butylbenzene	0.0500	0.0491		mg/Kg		98	68 - 125
N-Propylbenzene	0.0500	0.0470		mg/Kg		94	69 - 127
p-Isopropyltoluene	0.0500	0.0488		mg/Kg		98	70 - 125
sec-Butylbenzene	0.0500	0.0494		mg/Kg		99	70 - 123
Styrene	0.0500	0.0419		mg/Kg		84	70 - 120
tert-Butylbenzene	0.0500	0.0504		mg/Kg		101	70 - 121
Tetrachloroethene	0.0500	0.0502		mg/Kg		100	70 - 128
Toluene	0.0500	0.0434		mg/Kg		87	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0464		mg/Kg		93	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0373		mg/Kg		75	62 - 128
Trichloroethene	0.0500	0.0465		mg/Kg		93	70 - 125
Trichlorofluoromethane	0.0500	0.0484		mg/Kg		97	55 - 128
Vinyl chloride	0.0500	0.0480		mg/Kg		96	64 - 126
Xylenes, Total	0.100	0.0908		mg/Kg		91	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: MB 500-601553/6
Matrix: Solid
Analysis Batch: 601553

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			05/31/21 10:43	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			05/31/21 10:43	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			05/31/21 10:43	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			05/31/21 10:43	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			05/31/21 10:43	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			05/31/21 10:43	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			05/31/21 10:43	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			05/31/21 10:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-601553/6
Matrix: Solid
Analysis Batch: 601553

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			05/31/21 10:43	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			05/31/21 10:43	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			05/31/21 10:43	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			05/31/21 10:43	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			05/31/21 10:43	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			05/31/21 10:43	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			05/31/21 10:43	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			05/31/21 10:43	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/31/21 10:43	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			05/31/21 10:43	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			05/31/21 10:43	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/31/21 10:43	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			05/31/21 10:43	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			05/31/21 10:43	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			05/31/21 10:43	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			05/31/21 10:43	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/31/21 10:43	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			05/31/21 10:43	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			05/31/21 10:43	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			05/31/21 10:43	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			05/31/21 10:43	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			05/31/21 10:43	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			05/31/21 10:43	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			05/31/21 10:43	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			05/31/21 10:43	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			05/31/21 10:43	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			05/31/21 10:43	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			05/31/21 10:43	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			05/31/21 10:43	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			05/31/21 10:43	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			05/31/21 10:43	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			05/31/21 10:43	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			05/31/21 10:43	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			05/31/21 10:43	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/31/21 10:43	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			05/31/21 10:43	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			05/31/21 10:43	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			05/31/21 10:43	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			05/31/21 10:43	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			05/31/21 10:43	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			05/31/21 10:43	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/31/21 10:43	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			05/31/21 10:43	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/31/21 10:43	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			05/31/21 10:43	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			05/31/21 10:43	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			05/31/21 10:43	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			05/31/21 10:43	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			05/31/21 10:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-601553/6
Matrix: Solid
Analysis Batch: 601553

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			05/31/21 10:43	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			05/31/21 10:43	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			05/31/21 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*		*05/31/21 10:43*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*05/31/21 10:43*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 120*		*05/31/21 10:43*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/31/21 10:43*	*1*

Lab Sample ID: LCS 500-601553/4
Matrix: Solid
Analysis Batch: 601553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0472		mg/Kg		94	70 - 125
1,1,1-Trichloroethane	0.0500	0.0547		mg/Kg		109	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0367		mg/Kg		73	62 - 140
1,1,2-Trichloroethane	0.0500	0.0437		mg/Kg		87	71 - 130
1,1-Dichloroethane	0.0500	0.0466		mg/Kg		93	70 - 125
1,1-Dichloroethene	0.0500	0.0486		mg/Kg		97	67 - 122
1,1-Dichloropropene	0.0500	0.0521		mg/Kg		104	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0401		mg/Kg		80	51 - 145
1,2,3-Trichloropropane	0.0500	0.0383		mg/Kg		77	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0412		mg/Kg		82	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0501		mg/Kg		100	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0292		mg/Kg		58	56 - 123
1,2-Dibromoethane	0.0500	0.0418		mg/Kg		84	70 - 125
1,2-Dichlorobenzene	0.0500	0.0445		mg/Kg		89	70 - 125
1,2-Dichloroethane	0.0500	0.0497		mg/Kg		99	68 - 127
1,2-Dichloropropane	0.0500	0.0469		mg/Kg		94	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0505		mg/Kg		101	70 - 123
1,3-Dichlorobenzene	0.0500	0.0477		mg/Kg		95	70 - 125
1,3-Dichloropropane	0.0500	0.0442		mg/Kg		88	62 - 136
1,4-Dichlorobenzene	0.0500	0.0475		mg/Kg		95	70 - 120
2,2-Dichloropropane	0.0500	0.0596		mg/Kg		119	58 - 139
2-Chlorotoluene	0.0500	0.0492		mg/Kg		98	70 - 125
4-Chlorotoluene	0.0500	0.0505		mg/Kg		101	68 - 124
Benzene	0.0500	0.0499		mg/Kg		100	70 - 120
Bromobenzene	0.0500	0.0414		mg/Kg		83	70 - 122
Bromochloromethane	0.0500	0.0456		mg/Kg		91	65 - 122
Bromodichloromethane	0.0500	0.0443		mg/Kg		89	69 - 120
Bromoform	0.0500	0.0324		mg/Kg		65	56 - 132
Bromomethane	0.0500	0.0541		mg/Kg		108	40 - 152
Carbon tetrachloride	0.0500	0.0512		mg/Kg		102	59 - 133
Chlorobenzene	0.0500	0.0500		mg/Kg		100	70 - 120
Chloroethane	0.0500	0.0514		mg/Kg		103	48 - 136
Chloroform	0.0500	0.0491		mg/Kg		98	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-601553/4
Matrix: Solid
Analysis Batch: 601553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	0.0500	0.0369		mg/Kg		74	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0488		mg/Kg		98	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0416		mg/Kg		83	64 - 127
Dibromochloromethane	0.0500	0.0365		mg/Kg		73	68 - 125
Dibromomethane	0.0500	0.0471		mg/Kg		94	70 - 120
Dichlorodifluoromethane	0.0500	0.0405		mg/Kg		81	40 - 159
Ethylbenzene	0.0500	0.0547		mg/Kg		109	70 - 123
Hexachlorobutadiene	0.0500	0.0496		mg/Kg		99	51 - 150
Isopropylbenzene	0.0500	0.0500		mg/Kg		100	70 - 126
Methyl tert-butyl ether	0.0500	0.0464		mg/Kg		93	55 - 123
Methylene Chloride	0.0500	0.0443		mg/Kg		89	69 - 125
Naphthalene	0.0500	0.0370		mg/Kg		74	53 - 144
n-Butylbenzene	0.0500	0.0548		mg/Kg		110	68 - 125
N-Propylbenzene	0.0500	0.0521		mg/Kg		104	69 - 127
p-Isopropyltoluene	0.0500	0.0536		mg/Kg		107	70 - 125
sec-Butylbenzene	0.0500	0.0528		mg/Kg		106	70 - 123
Styrene	0.0500	0.0486		mg/Kg		97	70 - 120
tert-Butylbenzene	0.0500	0.0505		mg/Kg		101	70 - 121
Tetrachloroethene	0.0500	0.0522		mg/Kg		104	70 - 128
Toluene	0.0500	0.0513		mg/Kg		103	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0502		mg/Kg		100	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0399		mg/Kg		80	62 - 128
Trichloroethene	0.0500	0.0499		mg/Kg		100	70 - 125
Trichlorofluoromethane	0.0500	0.0460		mg/Kg		92	55 - 128
Vinyl chloride	0.0500	0.0444		mg/Kg		89	64 - 126
Xylenes, Total	0.100	0.114		mg/Kg		114	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane (Surr)	*92*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-601664/1-A
Matrix: Solid
Analysis Batch: 601769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		06/01/21 08:12	06/01/21 16:33	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		06/01/21 08:12	06/01/21 16:33	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		06/01/21 08:12	06/01/21 16:33	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		06/01/21 08:12	06/01/21 16:33	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		06/01/21 08:12	06/01/21 16:33	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		06/01/21 08:12	06/01/21 16:33	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		06/01/21 08:12	06/01/21 16:33	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 500-601664/1-A
Matrix: Solid
Analysis Batch: 601769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601664

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*99*		*49 - 129*	*06/01/21 08:12*	*06/01/21 16:33*	*1*
DCB Decachlorobiphenyl	*100*		*37 - 121*	*06/01/21 08:12*	*06/01/21 16:33*	*1*

Lab Sample ID: LCS 500-601664/24-A
Matrix: Solid
Analysis Batch: 601769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601664

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.167	0.175		mg/Kg		105	57 - 120		
PCB-1260			0.167	0.180		mg/Kg		108	61 - 125		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*100*		*49 - 129*
DCB Decachlorobiphenyl	*103*		*37 - 121*

Client Sample ID: WB-RTS-3 (1-2)
Lab Sample ID: 500-199313-1
Date Collected: 05/18/21 12:00
Matrix: Solid
Date Received: 05/19/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	600712	05/25/21 11:10	LWN	TAL CHI

Client Sample ID: WB-RTS-3 (1-2)
Lab Sample ID: 500-199313-1
Date Collected: 05/18/21 12:00
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			599859	05/18/21 12:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	601545	05/30/21 18:22	PMF	TAL CHI
Total/NA	Prep	3541			601664	06/01/21 08:12	BSO	TAL CHI
Total/NA	Analysis	8082A		1	601769	06/01/21 18:36	SS	TAL CHI

Client Sample ID: WB-RTS-4 (1-2)
Lab Sample ID: 500-199313-2
Date Collected: 05/18/21 12:10
Matrix: Solid
Date Received: 05/19/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	600712	05/25/21 11:10	LWN	TAL CHI

Client Sample ID: WB-RTS-4 (1-2)
Lab Sample ID: 500-199313-2
Date Collected: 05/18/21 12:10
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			599859	05/18/21 12:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	601545	05/30/21 18:47	PMF	TAL CHI
Total/NA	Prep	3541			601664	06/01/21 08:12	BSO	TAL CHI
Total/NA	Analysis	8082A		1	601769	06/01/21 18:51	SS	TAL CHI

Client Sample ID: WB-RTS-5 (1-2)
Lab Sample ID: 500-199313-3
Date Collected: 05/18/21 12:20
Matrix: Solid
Date Received: 05/19/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	600712	05/25/21 11:10	LWN	TAL CHI

Client Sample ID: WB-RTS-5 (1-2)
Lab Sample ID: 500-199313-3
Date Collected: 05/18/21 12:20
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			599859	05/18/21 12:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	601553	05/31/21 18:26	PMF	TAL CHI
Total/NA	Prep	3541			601664	06/01/21 08:12	BSO	TAL CHI
Total/NA	Analysis	8082A		1	601769	06/01/21 19:07	SS	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-RTS-6 (1-2)
Lab Sample ID: 500-199313-4
Date Collected: 05/18/21 12:30
Matrix: Solid
Date Received: 05/19/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	600712	05/25/21 11:10	LWN	TAL CHI

Client Sample ID: WB-RTS-6 (1-2)
Lab Sample ID: 500-199313-4
Date Collected: 05/18/21 12:30
Matrix: Solid
Date Received: 05/19/21 09:20
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			599859	05/18/21 12:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	601553	05/31/21 18:54	PMF	TAL CHI
Total/NA	Prep	3541			601664	06/01/21 08:12	BSO	TAL CHI
Total/NA	Analysis	8082A		10	601835	06/02/21 09:16	JBJ	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-199313-1
Project/Site: Community Within the Corridor - 40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultar

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-199313

500-199313 COC

Sample Collector(s)	Title	Telephone # (incl area code)	Report To
Kyle Vander Heiden	Staff Geologist	(262) 821-1171	Robert Reineke
Property Owner	**Property Address**	**Telephone # (incl area code)**	**KSingh Project #**
Community Within the Corridor - West Block	2758 N 33rd Street, Milwaukee, WI		40443

I hereby certify that I received properly and disposed of the samples as noted below

Laboratory Name: TestAmerica

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank: 4.0
	5/18/21 @ 1505		If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	5-18-21 1645	5/19/21 0920	

1 Specify groundwater (GW) soil (S) air (A) sludge (SL) surface water (SW), etc
2 Sample description must clearly correlate the sample I D to the sampling location

Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	8260B VOC	8082A - PCB									Sample Condition # / Type of Container MeOH	Unpres	---	---	Other Comment
5/18/2021	12 00	S	Grab	WB-RTS-3 (1-2)	x	x									1	2			
5/18/2021	12 10	S	Grab	WB-RTS-4 (1-2)	x	x									1	2			
5/18/2021	12 20	S	Grab	WB-RTS-5 (1-2)	x	x									1	2			
5/18/2021	12 30	S	Grab	WB-RTS-6 (1-2)	x	x									1	2			

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[ ] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By
Accepted [ ] Y [ ] N
Signature

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-199313-1

Login Number: 199313
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-198786-1
Client Project/Site: Community Within the Corridor - 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Daniel Pelczar

Sandra Fredrick

Authorized for release by:
5/20/2021 9:51:33 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Job ID: 500-198786-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-198786-1

Comments
No additional comments.

Receipt
The samples were received on 5/7/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.4º C.

GC/MS VOA
Method 8260B: The laboratory control samples (LCSs) for 597570 and 597571 recovered outside control limits for many analytes. These are prepped 5035 LCSs. All daily instrument LCSs were acceptable to continue with analyses, and the data have been reported.WB-MW-1 (4-6) (500-198786-1), WB-MW-1 (10-12) (500-198786-2), WB-MW-2 (3-5) (500-198786-3), WB-MW-2 (8.5-10.5) (500-198786-4), WB-MW-3 (1-3) (500-198786-5), WB-MW-3 (10-12) (500-198786-6), WB-MW-4 (2-4) (500-198786-7) and WB-MW-4 (10-12) (500-198786-8)

Method 8260B: Surrogate recovery for the following sample was outside the upper control limit: WB-MW-2 (8.5-10.5) (500-198786-4). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: The laboratory control sample (LCS) for 598549 recovered outside control limits for Chloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.WB-MW-2 (8.5-10.5) (500-198786-4) and WB-MW-3 (1-3) (500-198786-5)

Method 8260B: The laboratory control sample (LCS) for 599078 recovered outside control limits for the following analytes: Dibromochloromethane and 1,2-Dibromo-3-chloropropane. These analytes were biased low in the LCS and were not detected in the associated samples; therefore, the data have been reported.WB-MW-1 (10-12) (500-198786-2)

Method 8260B: The laboratory control sample (LCS) for 598538 recovered outside control limits for 1,2-Dibromo-3-Chloropropane. This analyte was biased low in the LCS and were not detected in the associated samples; therefore, the data have been reported. WB-MW-3 (10-12) (500-198786-6), WB-MW-4 (2-4) (500-198786-7) and WB-MW-4 (10-12) (500-198786-8)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8082A: Surrogate DCB Decachlorobiphenyl recovery for the following Continuing Calibration Verification (CCVIS) was outside control limits: WB-MW-1 (4-6) (500-198786-1), WB-MW-2 (3-5) (500-198786-3), WB-MW-4 (2-4) (500-198786-7) and (CCVIS 500-599554/2). The other surrogate was within limits; therefore, re-analysis was not performed.

Method 8082A: The following samples were reported from the primary column due to PCB-1260 recovering outside control limits for the continuing calibration verification (CCV) on the secondary column; therefore, the higher of the two results have been reported. WB-MW-3 (1-3) (500-198786-5) and (CCVIS 500-599810/1)

Method 8082A: The following sample contained more than one Aroclor with insufficient separation to quantify individually. The PCBs present are quantified as the predominant Aroclor PCB-1260: WB-MW-3 (1-3) (500-198786-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-1 (4-6) — Lab Sample ID: 500-198786-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.030	J	0.064	0.021	mg/Kg	50	☼	8260B	Total/NA
Toluene	0.010	J *+	0.016	0.0094	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: WB-MW-1 (10-12) — Lab Sample ID: 500-198786-2

No Detections.

Client Sample ID: WB-MW-2 (3-5) — Lab Sample ID: 500-198786-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.0053	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.0093	J	0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.0093	J	0.037	0.0068	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.0077	J	0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA

Client Sample ID: WB-MW-2 (8.5-10.5) — Lab Sample ID: 500-198786-4

No Detections.

Client Sample ID: WB-MW-3 (1-3) — Lab Sample ID: 500-198786-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.022		0.015	0.0090	mg/Kg	50	☼	8260B	Total/NA
Acenaphthylene	0.0060	J	0.035	0.0046	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.012	J	0.035	0.0059	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.074		0.035	0.0047	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.12		0.035	0.0068	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.16		0.035	0.0076	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.11		0.035	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.082		0.035	0.010	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.13		0.035	0.0096	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.021	J	0.035	0.0068	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.18		0.035	0.0065	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.095		0.035	0.0091	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.0074	J	0.035	0.0054	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.082		0.035	0.0049	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.16		0.035	0.0070	mg/Kg	1	☼	8270D	Total/NA
PCB-1260	0.040		0.018	0.0088	mg/Kg	1	☼	8082A	Total/NA

Client Sample ID: WB-MW-3 (10-12) — Lab Sample ID: 500-198786-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.044	J	0.064	0.021	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: WB-MW-4 (2-4) — Lab Sample ID: 500-198786-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.022	J	0.065	0.022	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: WB-MW-4 (10-12) — Lab Sample ID: 500-198786-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-198786-1	WB-MW-1 (4-6)	Solid	05/03/21 11:40	05/07/21 10:00	
500-198786-2	WB-MW-1 (10-12)	Solid	05/03/21 11:50	05/07/21 10:00	
500-198786-3	WB-MW-2 (3-5)	Solid	05/03/21 12:40	05/07/21 10:00	
500-198786-4	WB-MW-2 (8.5-10.5)	Solid	05/03/21 12:50	05/07/21 10:00	
500-198786-5	WB-MW-3 (1-3)	Solid	05/03/21 15:00	05/07/21 10:00	
500-198786-6	WB-MW-3 (10-12)	Solid	05/03/21 15:10	05/07/21 10:00	
500-198786-7	WB-MW-4 (2-4)	Solid	05/03/21 13:50	05/07/21 10:00	
500-198786-8	WB-MW-4 (10-12)	Solid	05/03/21 14:00	05/07/21 10:00	

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-1 (4-6)
Lab Sample ID: 500-198786-1
Date Collected: 05/03/21 11:40
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 88.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030	*+	0.064	0.030	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,1,2,2-Tetrachloroethane	<0.026		0.064	0.026	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,1,2-Trichloroethane	<0.023	*+	0.064	0.023	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,1-Dichloroethane	<0.026	*+	0.064	0.026	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2,3-Trichloropropane	<0.027	*+	0.13	0.027	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2-Dibromo-3-Chloropropane	<0.13	*+	0.32	0.13	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2-Dibromoethane	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2-Dichlorobenzene	<0.021	*+	0.064	0.021	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2-Dichloroethane	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,2-Dichloropropane	<0.027	*+	0.064	0.027	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,3-Dichlorobenzene	<0.026		0.064	0.026	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
1,4-Dichlorobenzene	<0.023	*+	0.064	0.023	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Benzene	<0.0094	*+	0.016	0.0094	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Bromobenzene	<0.023	*+	0.064	0.023	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Bromochloromethane	<0.027	*+	0.064	0.027	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Bromodichloromethane	<0.024	*+	0.064	0.024	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Bromoform	<0.031	*+	0.064	0.031	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Bromomethane	<0.051	*+	0.19	0.051	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Carbon tetrachloride	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Chlorobenzene	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Chloroethane	<0.032	*+	0.064	0.032	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Chloroform	<0.024	*+	0.13	0.024	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Chloromethane	<0.021		0.064	0.021	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
cis-1,2-Dichloroethene	<0.026	*+	0.064	0.026	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Dibromochloromethane	<0.031	*+	0.064	0.031	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Dibromomethane	<0.017	*+	0.064	0.017	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Hexachlorobutadiene	<0.029		0.064	0.029	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Isopropylbenzene	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Methyl tert-butyl ether	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Methylene Chloride	<0.10	*+	0.32	0.10	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Naphthalene	**0.030**	**J**	0.064	0.021	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
N-Propylbenzene	<0.027		0.064	0.027	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-1 (4-6)
Lab Sample ID: 500-198786-1
Date Collected: 05/03/21 11:40
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 88.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.064	0.026	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Styrene	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
tert-Butylbenzene	<0.026		0.064	0.026	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Toluene	**0.010**	**J *+**	0.016	0.0094	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
trans-1,2-Dichloroethene	<0.022	*+	0.064	0.022	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Trichloroethene	<0.011	*+	0.032	0.011	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	05/03/21 11:40	05/12/21 18:29	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*	*05/03/21 11:40*	*05/12/21 18:29*	*50*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*	*05/03/21 11:40*	*05/12/21 18:29*	*50*
Dibromofluoromethane (Surr)	*85*		*75 - 120*	*05/03/21 11:40*	*05/12/21 18:29*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*	*05/03/21 11:40*	*05/12/21 18:29*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0091		0.075	0.0091	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
2-Methylnaphthalene	<0.0069		0.075	0.0069	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Acenaphthene	<0.0067		0.037	0.0067	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Acenaphthylene	<0.0049		0.037	0.0049	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Anthracene	<0.0062		0.037	0.0062	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Benzo[a]anthracene	<0.0050		0.037	0.0050	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Benzo[a]pyrene	<0.0072		0.037	0.0072	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Benzo[b]fluoranthene	<0.0080		0.037	0.0080	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Dibenz(a,h)anthracene	<0.0072		0.037	0.0072	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Fluoranthene	<0.0069		0.037	0.0069	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Fluorene	<0.0052		0.037	0.0052	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Naphthalene	<0.0057		0.037	0.0057	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1
Pyrene	<0.0074		0.037	0.0074	mg/Kg	☼	05/13/21 20:26	05/14/21 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*90*		*43 - 145*	*05/13/21 20:26*	*05/14/21 13:03*	*1*
Nitrobenzene-d5 (Surr)	*101*		*37 - 147*	*05/13/21 20:26*	*05/14/21 13:03*	*1*
Terphenyl-d14 (Surr)	*92*		*42 - 157*	*05/13/21 20:26*	*05/14/21 13:03*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.019	0.0066	mg/Kg	☼	05/18/21 05:58	05/18/21 15:17	1
PCB-1221	<0.0081		0.019	0.0081	mg/Kg	☼	05/18/21 05:58	05/18/21 15:17	1
PCB-1232	<0.0081		0.019	0.0081	mg/Kg	☼	05/18/21 05:58	05/18/21 15:17	1
PCB-1242	<0.0061		0.019	0.0061	mg/Kg	☼	05/18/21 05:58	05/18/21 15:17	1

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-1 (4-6)
Lab Sample ID: 500-198786-1
Date Collected: 05/03/21 11:40
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 88.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0073		0.019	0.0073	mg/Kg	☼	05/18/21 05:58	05/18/21 15:17	1
PCB-1254	<0.0040		0.019	0.0040	mg/Kg	☼	05/18/21 05:58	05/18/21 15:17	1
PCB-1260	<0.0091		0.019	0.0091	mg/Kg	☼	05/18/21 05:58	05/18/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*49 - 129*	*05/18/21 05:58*	*05/18/21 15:17*	*1*
DCB Decachlorobiphenyl	*73*		*37 - 121*	*05/18/21 05:58*	*05/18/21 15:17*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-1 (10-12)
Lab Sample ID: 500-198786-2
Date Collected: 05/03/21 11:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.032	*+	0.070	0.032	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,1,1-Trichloroethane	<0.026		0.070	0.026	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,1,2,2-Tetrachloroethane	<0.028		0.070	0.028	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,1,2-Trichloroethane	<0.025	*+	0.070	0.025	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,1-Dichloroethane	<0.029	*+	0.070	0.029	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,1-Dichloroethene	<0.027		0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,1-Dichloropropene	<0.021		0.070	0.021	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2,3-Trichlorobenzene	<0.032		0.070	0.032	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2,3-Trichloropropane	<0.029	*+	0.14	0.029	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2,4-Trichlorobenzene	<0.024		0.070	0.024	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2,4-Trimethylbenzene	<0.025		0.070	0.025	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2-Dibromo-3-Chloropropane	<0.14	*+ *-	0.35	0.14	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2-Dibromoethane	<0.027	*+	0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2-Dichlorobenzene	<0.023	*+	0.070	0.023	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2-Dichloroethane	<0.027	*+	0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,2-Dichloropropane	<0.030	*+	0.070	0.030	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,3,5-Trimethylbenzene	<0.026		0.070	0.026	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,3-Dichlorobenzene	<0.028		0.070	0.028	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,3-Dichloropropane	<0.025		0.070	0.025	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
1,4-Dichlorobenzene	<0.025	*+	0.070	0.025	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
2,2-Dichloropropane	<0.031		0.070	0.031	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
2-Chlorotoluene	<0.022		0.070	0.022	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
4-Chlorotoluene	<0.024		0.070	0.024	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Benzene	<0.010	*+	0.017	0.010	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Bromobenzene	<0.025	*+	0.070	0.025	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Bromochloromethane	<0.030	*+	0.070	0.030	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Bromodichloromethane	<0.026	*+	0.070	0.026	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Bromoform	<0.034	*+	0.070	0.034	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Bromomethane	<0.055	*+	0.21	0.055	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Carbon tetrachloride	<0.027		0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Chlorobenzene	<0.027	*+	0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Chloroethane	<0.035	*+	0.070	0.035	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Chloroform	<0.026	*+	0.14	0.026	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Chloromethane	<0.022		0.070	0.022	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
cis-1,2-Dichloroethene	<0.028	*+	0.070	0.028	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
cis-1,3-Dichloropropene	<0.029		0.070	0.029	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Dibromochloromethane	<0.034	*+ *-	0.070	0.034	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Dibromomethane	<0.019	*+	0.070	0.019	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Dichlorodifluoromethane	<0.047		0.21	0.047	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Ethylbenzene	<0.013		0.017	0.013	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Hexachlorobutadiene	<0.031		0.070	0.031	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Isopropyl ether	<0.019		0.070	0.019	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Isopropylbenzene	<0.027		0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Methyl tert-butyl ether	<0.027	*+	0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Methylene Chloride	<0.11	*+	0.35	0.11	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Naphthalene	<0.023		0.070	0.023	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
n-Butylbenzene	<0.027		0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
N-Propylbenzene	<0.029		0.070	0.029	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
p-Isopropyltoluene	<0.025		0.070	0.025	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50

Client Sample ID: WB-MW-1 (10-12)
Lab Sample ID: 500-198786-2
Date Collected: 05/03/21 11:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 83.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.028		0.070	0.028	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Styrene	<0.027	*+	0.070	0.027	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
tert-Butylbenzene	<0.028		0.070	0.028	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Tetrachloroethene	<0.026		0.070	0.026	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Toluene	<0.010	*+	0.017	0.010	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
trans-1,2-Dichloroethene	<0.024	*+	0.070	0.024	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
trans-1,3-Dichloropropene	<0.025		0.070	0.025	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Trichloroethene	<0.011	*+	0.035	0.011	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Trichlorofluoromethane	<0.030		0.070	0.030	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Vinyl chloride	<0.018		0.070	0.018	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50
Xylenes, Total	<0.015		0.035	0.015	mg/Kg	☼	05/03/21 11:50	05/16/21 13:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*	*05/03/21 11:50*	*05/16/21 13:50*	*50*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*	*05/03/21 11:50*	*05/16/21 13:50*	*50*
Dibromofluoromethane (Surr)	*82*		*75 - 120*	*05/03/21 11:50*	*05/16/21 13:50*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*05/03/21 11:50*	*05/16/21 13:50*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-2 (3-5)
Lab Sample ID: 500-198786-3
Date Collected: 05/03/21 12:40
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029	*+	0.063	0.029	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,1,1-Trichloroethane	<0.024		0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,1,2,2-Tetrachloroethane	<0.025		0.063	0.025	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,1,2-Trichloroethane	<0.022	*+	0.063	0.022	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,1-Dichloroethane	<0.026	*+	0.063	0.026	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,1-Dichloroethene	<0.024		0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,1-Dichloropropene	<0.019		0.063	0.019	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2,3-Trichlorobenzene	<0.029		0.063	0.029	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2,3-Trichloropropane	<0.026	*+	0.13	0.026	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2,4-Trichlorobenzene	<0.021		0.063	0.021	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2,4-Trimethylbenzene	<0.022		0.063	0.022	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2-Dibromo-3-Chloropropane	<0.12	*+	0.31	0.12	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2-Dibromoethane	<0.024	*+	0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2-Dichlorobenzene	<0.021	*+	0.063	0.021	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2-Dichloroethane	<0.025	*+	0.063	0.025	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,2-Dichloropropane	<0.027	*+	0.063	0.027	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,3,5-Trimethylbenzene	<0.024		0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,3-Dichlorobenzene	<0.025		0.063	0.025	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,3-Dichloropropane	<0.023		0.063	0.023	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
1,4-Dichlorobenzene	<0.023	*+	0.063	0.023	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
2,2-Dichloropropane	<0.028		0.063	0.028	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
2-Chlorotoluene	<0.020		0.063	0.020	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
4-Chlorotoluene	<0.022		0.063	0.022	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Benzene	<0.0092	*+	0.016	0.0092	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Bromobenzene	<0.022	*+	0.063	0.022	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Bromochloromethane	<0.027	*+	0.063	0.027	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Bromodichloromethane	<0.023	*+	0.063	0.023	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Bromoform	<0.030	*+	0.063	0.030	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Bromomethane	<0.050	*+	0.19	0.050	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Carbon tetrachloride	<0.024		0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Chlorobenzene	<0.024	*+	0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Chloroethane	<0.032	*+	0.063	0.032	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Chloroform	<0.023	*+	0.13	0.023	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Chloromethane	<0.020		0.063	0.020	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
cis-1,2-Dichloroethene	<0.026	*+	0.063	0.026	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
cis-1,3-Dichloropropene	<0.026		0.063	0.026	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Dibromochloromethane	<0.031	*+	0.063	0.031	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Dibromomethane	<0.017	*+	0.063	0.017	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Hexachlorobutadiene	<0.028		0.063	0.028	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Isopropyl ether	<0.017		0.063	0.017	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Isopropylbenzene	<0.024		0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Methyl tert-butyl ether	<0.025	*+	0.063	0.025	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Methylene Chloride	<0.10	*+	0.31	0.10	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Naphthalene	<0.021		0.063	0.021	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
n-Butylbenzene	<0.024		0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
N-Propylbenzene	<0.026		0.063	0.026	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
p-Isopropyltoluene	<0.023		0.063	0.023	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50

Client Sample ID: WB-MW-2 (3-5)
Date Collected: 05/03/21 12:40
Date Received: 05/07/21 10:00

Lab Sample ID: 500-198786-3
Matrix: Solid
Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Styrene	<0.024	*+	0.063	0.024	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
tert-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Tetrachloroethene	<0.023		0.063	0.023	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Toluene	<0.0092	*+	0.016	0.0092	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
trans-1,2-Dichloroethene	<0.022	*+	0.063	0.022	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
trans-1,3-Dichloropropene	<0.023		0.063	0.023	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Trichloroethene	<0.010	*+	0.031	0.010	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Trichlorofluoromethane	<0.027		0.063	0.027	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Vinyl chloride	<0.016		0.063	0.016	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	05/03/21 12:40	05/14/21 15:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*	*05/03/21 12:40*	*05/14/21 15:17*	*50*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*05/03/21 12:40*	*05/14/21 15:17*	*50*
Dibromofluoromethane (Surr)	*90*		*75 - 120*	*05/03/21 12:40*	*05/14/21 15:17*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*05/03/21 12:40*	*05/14/21 15:17*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0090		0.074	0.0090	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
2-Methylnaphthalene	<0.0068		0.074	0.0068	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Acenaphthene	<0.0066		0.037	0.0066	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Acenaphthylene	<0.0049		0.037	0.0049	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Anthracene	<0.0062		0.037	0.0062	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Benzo[a]anthracene	**0.0053**	**J**	0.037	0.0050	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Benzo[a]pyrene	<0.0071		0.037	0.0071	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Benzo[b]fluoranthene	**0.0093**	**J**	0.037	0.0080	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Dibenz(a,h)anthracene	<0.0071		0.037	0.0071	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Fluoranthene	**0.0093**	**J**	0.037	0.0068	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Fluorene	<0.0052		0.037	0.0052	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Indeno[1,2,3-cd]pyrene	<0.0096		0.037	0.0096	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Naphthalene	<0.0057		0.037	0.0057	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Phenanthrene	<0.0051		0.037	0.0051	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1
Pyrene	**0.0077**	**J**	0.037	0.0073	mg/Kg	☼	05/13/21 20:26	05/14/21 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*43 - 145*	*05/13/21 20:26*	*05/14/21 13:24*	*1*
Nitrobenzene-d5 (Surr)	*97*		*37 - 147*	*05/13/21 20:26*	*05/14/21 13:24*	*1*
Terphenyl-d14 (Surr)	*88*		*42 - 157*	*05/13/21 20:26*	*05/14/21 13:24*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.019	0.0066	mg/Kg	☼	05/18/21 05:58	05/18/21 15:32	1
PCB-1221	<0.0082		0.019	0.0082	mg/Kg	☼	05/18/21 05:58	05/18/21 15:32	1
PCB-1232	<0.0081		0.019	0.0081	mg/Kg	☼	05/18/21 05:58	05/18/21 15:32	1
PCB-1242	<0.0061		0.019	0.0061	mg/Kg	☼	05/18/21 05:58	05/18/21 15:32	1

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-2 (3-5)
Lab Sample ID: 500-198786-3
Date Collected: 05/03/21 12:40
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 87.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0073		0.019	0.0073	mg/Kg	☼	05/18/21 05:58	05/18/21 15:32	1
PCB-1254	<0.0040		0.019	0.0040	mg/Kg	☼	05/18/21 05:58	05/18/21 15:32	1
PCB-1260	<0.0092		0.019	0.0092	mg/Kg	☼	05/18/21 05:58	05/18/21 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*49 - 129*	*05/18/21 05:58*	*05/18/21 15:32*	*1*
DCB Decachlorobiphenyl	*85*		*37 - 121*	*05/18/21 05:58*	*05/18/21 15:32*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-2 (8.5-10.5)
Lab Sample ID: 500-198786-4
Date Collected: 05/03/21 12:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028	*+	0.060	0.028	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,1,1-Trichloroethane	<0.023		0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,1,2,2-Tetrachloroethane	<0.024		0.060	0.024	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,1,2-Trichloroethane	<0.021	*+	0.060	0.021	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,1-Dichloroethane	<0.025	*+	0.060	0.025	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,1-Dichloroethene	<0.023		0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,1-Dichloropropene	<0.018		0.060	0.018	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2,3-Trichlorobenzene	<0.027		0.060	0.027	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2,3-Trichloropropane	<0.025	*+	0.12	0.025	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2,4-Trichlorobenzene	<0.020		0.060	0.020	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2,4-Trimethylbenzene	<0.021		0.060	0.021	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2-Dibromo-3-Chloropropane	<0.12	*+	0.30	0.12	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2-Dibromoethane	<0.023	*+	0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2-Dichlorobenzene	<0.020	*+	0.060	0.020	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2-Dichloroethane	<0.023	*+	0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,2-Dichloropropane	<0.026	*+	0.060	0.026	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,3,5-Trimethylbenzene	<0.023		0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,3-Dichlorobenzene	<0.024		0.060	0.024	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,3-Dichloropropane	<0.022	*+	0.060	0.022	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
1,4-Dichlorobenzene	<0.022		0.060	0.022	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
2,2-Dichloropropane	<0.027		0.060	0.027	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
2-Chlorotoluene	<0.019		0.060	0.019	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
4-Chlorotoluene	<0.021		0.060	0.021	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Benzene	<0.0087	*+	0.015	0.0087	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Bromobenzene	<0.021	*+	0.060	0.021	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Bromochloromethane	<0.026	*+	0.060	0.026	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Bromodichloromethane	<0.022	*+	0.060	0.022	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Bromoform	<0.029	*+	0.060	0.029	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Bromomethane	<0.048	*+	0.18	0.048	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Carbon tetrachloride	<0.023		0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Chlorobenzene	<0.023	*+	0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Chloroethane	<0.030	*+	0.060	0.030	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Chloroform	<0.022	*+	0.12	0.022	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Chloromethane	<0.019		0.060	0.019	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
cis-1,2-Dichloroethene	<0.024		0.060	0.024	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
cis-1,3-Dichloropropene	<0.025		0.060	0.025	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Dibromochloromethane	<0.029	*+	0.060	0.029	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Dibromomethane	<0.016	*+	0.060	0.016	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Dichlorodifluoromethane	<0.040		0.18	0.040	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Hexachlorobutadiene	<0.027		0.060	0.027	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Isopropyl ether	<0.017		0.060	0.017	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Isopropylbenzene	<0.023		0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Methyl tert-butyl ether	<0.024	*+	0.060	0.024	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Methylene Chloride	<0.097	*+	0.30	0.097	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Naphthalene	<0.020		0.060	0.020	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
n-Butylbenzene	<0.023		0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
N-Propylbenzene	<0.025		0.060	0.025	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
p-Isopropyltoluene	<0.022		0.060	0.022	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-2 (8.5-10.5)
Lab Sample ID: 500-198786-4
Date Collected: 05/03/21 12:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 90.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Styrene	<0.023	*+	0.060	0.023	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
tert-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Tetrachloroethene	<0.022		0.060	0.022	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Toluene	<0.0088		0.015	0.0088	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
trans-1,2-Dichloroethene	<0.021		0.060	0.021	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
trans-1,3-Dichloropropene	<0.022		0.060	0.022	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Trichloroethene	<0.0098	*+	0.030	0.0098	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Trichlorofluoromethane	<0.026		0.060	0.026	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Vinyl chloride	<0.016		0.060	0.016	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	☼	05/03/21 12:50	05/13/21 17:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*75 - 126*	*05/03/21 12:50*	*05/13/21 17:22*	*50*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*05/03/21 12:50*	*05/13/21 17:22*	*50*
Dibromofluoromethane (Surr)	*122*	*S1+*	*75 - 120*	*05/03/21 12:50*	*05/13/21 17:22*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*05/03/21 12:50*	*05/13/21 17:22*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-3 (1-3)
Lab Sample ID: 500-198786-5
Date Collected: 05/03/21 15:00
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 90.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028	*+	0.061	0.028	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,1,1-Trichloroethane	<0.023		0.061	0.023	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,1,2,2-Tetrachloroethane	<0.024		0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,1,2-Trichloroethane	<0.021	*+	0.061	0.021	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,1-Dichloroethane	<0.025	*+	0.061	0.025	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,1-Dichloroethene	<0.024		0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,1-Dichloropropene	<0.018		0.061	0.018	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2,3-Trichlorobenzene	<0.028		0.061	0.028	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2,3-Trichloropropane	<0.025	*+	0.12	0.025	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2,4-Trichlorobenzene	<0.021		0.061	0.021	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2,4-Trimethylbenzene	<0.022		0.061	0.022	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2-Dibromo-3-Chloropropane	<0.12	*+	0.30	0.12	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2-Dibromoethane	<0.024	*+	0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2-Dichlorobenzene	<0.020	*+	0.061	0.020	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2-Dichloroethane	<0.024	*+	0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,2-Dichloropropane	<0.026	*+	0.061	0.026	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,3,5-Trimethylbenzene	<0.023		0.061	0.023	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,3-Dichlorobenzene	<0.024		0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,3-Dichloropropane	<0.022	*+	0.061	0.022	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
1,4-Dichlorobenzene	<0.022		0.061	0.022	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
2,2-Dichloropropane	<0.027		0.061	0.027	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
2-Chlorotoluene	<0.019		0.061	0.019	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
4-Chlorotoluene	<0.021		0.061	0.021	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Benzene	<0.0089	*+	0.015	0.0089	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Bromobenzene	<0.022	*+	0.061	0.022	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Bromochloromethane	<0.026	*+	0.061	0.026	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Bromodichloromethane	<0.023	*+	0.061	0.023	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Bromoform	<0.030	*+	0.061	0.030	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Bromomethane	<0.049	*+	0.18	0.049	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Carbon tetrachloride	<0.023		0.061	0.023	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Chlorobenzene	<0.024	*+	0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Chloroethane	<0.031	*+	0.061	0.031	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Chloroform	<0.023	*+	0.12	0.023	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Chloromethane	<0.020		0.061	0.020	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
cis-1,2-Dichloroethene	<0.025		0.061	0.025	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
cis-1,3-Dichloropropene	<0.025		0.061	0.025	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Dibromochloromethane	<0.030	*+	0.061	0.030	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Dibromomethane	<0.016	*+	0.061	0.016	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Hexachlorobutadiene	<0.027		0.061	0.027	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Isopropyl ether	<0.017		0.061	0.017	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Isopropylbenzene	<0.023		0.061	0.023	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Methyl tert-butyl ether	<0.024	*+	0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Methylene Chloride	<0.099	*+	0.30	0.099	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Naphthalene	<0.020		0.061	0.020	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
n-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
N-Propylbenzene	<0.025		0.061	0.025	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
p-Isopropyltoluene	<0.022		0.061	0.022	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50

Client Sample ID: WB-MW-3 (1-3)
Lab Sample ID: 500-198786-5

Date Collected: 05/03/21 15:00
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 90.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Styrene	<0.024	*+	0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
tert-Butylbenzene	<0.024		0.061	0.024	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Tetrachloroethene	<0.023		0.061	0.023	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Toluene	**0.022**		0.015	0.0090	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
trans-1,2-Dichloroethene	<0.021		0.061	0.021	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
trans-1,3-Dichloropropene	<0.022		0.061	0.022	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Trichloroethene	<0.010	*+	0.030	0.010	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Trichlorofluoromethane	<0.026		0.061	0.026	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Vinyl chloride	<0.016		0.061	0.016	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	☼	05/03/21 15:00	05/13/21 17:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 126*	*05/03/21 15:00*	*05/13/21 17:49*	*50*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*	*05/03/21 15:00*	*05/13/21 17:49*	*50*
Dibromofluoromethane (Surr)	*111*		*75 - 120*	*05/03/21 15:00*	*05/13/21 17:49*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*05/03/21 15:00*	*05/13/21 17:49*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0086		0.071	0.0086	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
2-Methylnaphthalene	<0.0064		0.071	0.0064	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Acenaphthene	<0.0063		0.035	0.0063	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Acenaphthylene	**0.0060**	**J**	0.035	0.0046	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Anthracene	**0.012**	**J**	0.035	0.0059	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Benzo[a]anthracene	**0.074**		0.035	0.0047	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Benzo[a]pyrene	**0.12**		0.035	0.0068	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Benzo[b]fluoranthene	**0.16**		0.035	0.0076	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Benzo[g,h,i]perylene	**0.11**		0.035	0.011	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Benzo[k]fluoranthene	**0.082**		0.035	0.010	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Chrysene	**0.13**		0.035	0.0096	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Dibenz(a,h)anthracene	**0.021**	**J**	0.035	0.0068	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Fluoranthene	**0.18**		0.035	0.0065	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Fluorene	<0.0049		0.035	0.0049	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Indeno[1,2,3-cd]pyrene	**0.095**		0.035	0.0091	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Naphthalene	**0.0074**	**J**	0.035	0.0054	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Phenanthrene	**0.082**		0.035	0.0049	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1
Pyrene	**0.16**		0.035	0.0070	mg/Kg	☼	05/13/21 20:26	05/15/21 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*43 - 145*	*05/13/21 20:26*	*05/15/21 00:52*	*1*
Nitrobenzene-d5 (Surr)	*61*		*37 - 147*	*05/13/21 20:26*	*05/15/21 00:52*	*1*
Terphenyl-d14 (Surr)	*87*		*42 - 157*	*05/13/21 20:26*	*05/15/21 00:52*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0063		0.018	0.0063	mg/Kg	☼	05/19/21 06:21	05/19/21 18:34	1
PCB-1221	<0.0079		0.018	0.0079	mg/Kg	☼	05/19/21 06:21	05/19/21 18:34	1
PCB-1232	<0.0078		0.018	0.0078	mg/Kg	☼	05/19/21 06:21	05/19/21 18:34	1
PCB-1242	<0.0059		0.018	0.0059	mg/Kg	☼	05/19/21 06:21	05/19/21 18:34	1

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-3 (1-3)
Lab Sample ID: 500-198786-5
Date Collected: 05/03/21 15:00
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 90.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0070		0.018	0.0070	mg/Kg	☼	05/19/21 06:21	05/19/21 18:34	1
PCB-1254	<0.0039		0.018	0.0039	mg/Kg	☼	05/19/21 06:21	05/19/21 18:34	1
PCB-1260	**0.040**		0.018	0.0088	mg/Kg	☼	05/19/21 06:21	05/19/21 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*49 - 129*	*05/19/21 06:21*	*05/19/21 18:34*	*1*
DCB Decachlorobiphenyl	*71*		*37 - 121*	*05/19/21 06:21*	*05/19/21 18:34*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-3 (10-12)
Lab Sample ID: 500-198786-6
Date Collected: 05/03/21 15:10
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029	*+	0.064	0.029	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,1,2,2-Tetrachloroethane	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,1,2-Trichloroethane	<0.022	*+	0.064	0.022	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,1-Dichloroethane	<0.026	*+	0.064	0.026	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2,3-Trichloropropane	<0.026	*+	0.13	0.026	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2-Dibromo-3-Chloropropane	<0.13	*- *+	0.32	0.13	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2-Dibromoethane	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2-Dichlorobenzene	<0.021	*+	0.064	0.021	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2-Dichloroethane	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,2-Dichloropropane	<0.027	*+	0.064	0.027	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,3-Dichlorobenzene	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,3-Dichloropropane	<0.023	*+	0.064	0.023	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Benzene	<0.0093	*+	0.016	0.0093	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Bromobenzene	<0.023	*+	0.064	0.023	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Bromochloromethane	<0.027	*+	0.064	0.027	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Bromodichloromethane	<0.024	*+	0.064	0.024	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Bromoform	<0.031	*+	0.064	0.031	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Bromomethane	<0.051	*+	0.19	0.051	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Carbon tetrachloride	<0.024		0.064	0.024	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Chlorobenzene	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Chloroethane	<0.032	*+	0.064	0.032	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Chloroform	<0.024	*+	0.13	0.024	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Dibromochloromethane	<0.031	*+	0.064	0.031	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Dibromomethane	<0.017	*+	0.064	0.017	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Hexachlorobutadiene	<0.028		0.064	0.028	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Isopropylbenzene	<0.024		0.064	0.024	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Methyl tert-butyl ether	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Methylene Chloride	<0.10	*+	0.32	0.10	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Naphthalene	**0.044**	**J**	0.064	0.021	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-3 (10-12)
Lab Sample ID: 500-198786-6
Date Collected: 05/03/21 15:10
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 87.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Styrene	<0.025	*+	0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Toluene	<0.0094		0.016	0.0094	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Trichloroethene	<0.010	*+	0.032	0.010	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	05/03/21 15:10	05/13/21 16:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*	*05/03/21 15:10*	*05/13/21 16:10*	*50*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*	*05/03/21 15:10*	*05/13/21 16:10*	*50*
Dibromofluoromethane (Surr)	*82*		*75 - 120*	*05/03/21 15:10*	*05/13/21 16:10*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*05/03/21 15:10*	*05/13/21 16:10*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-4 (2-4)
Lab Sample ID: 500-198786-7
Date Collected: 05/03/21 13:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 86.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030	*+	0.065	0.030	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,1,2-Trichloroethane	<0.023	*+	0.065	0.023	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,1-Dichloroethane	<0.027	*+	0.065	0.027	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2,3-Trichloropropane	<0.027	*+	0.13	0.027	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2-Dibromo-3-Chloropropane	<0.13	*+ *-	0.32	0.13	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2-Dibromoethane	<0.025	*+	0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2-Dichlorobenzene	<0.022	*+	0.065	0.022	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2-Dichloroethane	<0.025	*+	0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,2-Dichloropropane	<0.028	*+	0.065	0.028	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,3-Dichlorobenzene	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,3-Dichloropropane	<0.024	*+	0.065	0.024	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
1,4-Dichlorobenzene	<0.024		0.065	0.024	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Benzene	<0.0095	*+	0.016	0.0095	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Bromobenzene	<0.023	*+	0.065	0.023	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Bromochloromethane	<0.028	*+	0.065	0.028	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Bromodichloromethane	<0.024	*+	0.065	0.024	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Bromoform	<0.031	*+	0.065	0.031	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Bromomethane	<0.052	*+	0.19	0.052	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Chlorobenzene	<0.025	*+	0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Chloroethane	<0.033	*+	0.065	0.033	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Chloroform	<0.024	*+	0.13	0.024	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
cis-1,2-Dichloroethene	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Dibromochloromethane	<0.032	*+	0.065	0.032	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Dibromomethane	<0.018	*+	0.065	0.018	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Dichlorodifluoromethane	<0.044		0.19	0.044	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Methyl tert-butyl ether	<0.026	*+	0.065	0.026	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Methylene Chloride	<0.11	*+	0.32	0.11	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Naphthalene	**0.022**	**J**	0.065	0.022	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
n-Butylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
p-Isopropyltoluene	<0.024		0.065	0.024	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-4 (2-4)
Lab Sample ID: 500-198786-7
Date Collected: 05/03/21 13:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 86.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Styrene	<0.025	*+	0.065	0.025	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Tetrachloroethene	<0.024		0.065	0.024	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Toluene	<0.0095		0.016	0.0095	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
trans-1,3-Dichloropropene	<0.024		0.065	0.024	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Trichloroethene	<0.011	*+	0.032	0.011	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	05/03/21 13:50	05/13/21 16:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*	*05/03/21 13:50*	*05/13/21 16:37*	*50*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*	*05/03/21 13:50*	*05/13/21 16:37*	*50*
Dibromofluoromethane (Surr)	*84*		*75 - 120*	*05/03/21 13:50*	*05/13/21 16:37*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*05/03/21 13:50*	*05/13/21 16:37*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0092		0.076	0.0092	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
2-Methylnaphthalene	<0.0069		0.076	0.0069	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Acenaphthene	<0.0068		0.037	0.0068	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Acenaphthylene	<0.0050		0.037	0.0050	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Anthracene	<0.0063		0.037	0.0063	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Benzo[a]anthracene	<0.0051		0.037	0.0051	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Benzo[a]pyrene	<0.0073		0.037	0.0073	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Benzo[b]fluoranthene	<0.0081		0.037	0.0081	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Dibenz(a,h)anthracene	<0.0073		0.037	0.0073	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Fluoranthene	<0.0070		0.037	0.0070	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Fluorene	<0.0053		0.037	0.0053	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Indeno[1,2,3-cd]pyrene	<0.0098		0.037	0.0098	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Naphthalene	<0.0058		0.037	0.0058	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1
Pyrene	<0.0075		0.037	0.0075	mg/Kg	☼	05/13/21 20:26	05/14/21 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*43 - 145*	*05/13/21 20:26*	*05/14/21 13:45*	*1*
Nitrobenzene-d5 (Surr)	*93*		*37 - 147*	*05/13/21 20:26*	*05/14/21 13:45*	*1*
Terphenyl-d14 (Surr)	*88*		*42 - 157*	*05/13/21 20:26*	*05/14/21 13:45*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0065		0.018	0.0065	mg/Kg	☼	05/18/21 05:58	05/18/21 16:03	1
PCB-1221	<0.0080		0.018	0.0080	mg/Kg	☼	05/18/21 05:58	05/18/21 16:03	1
PCB-1232	<0.0080		0.018	0.0080	mg/Kg	☼	05/18/21 05:58	05/18/21 16:03	1
PCB-1242	<0.0060		0.018	0.0060	mg/Kg	☼	05/18/21 05:58	05/18/21 16:03	1

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-4 (2-4)
Lab Sample ID: 500-198786-7
Date Collected: 05/03/21 13:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 86.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0072		0.018	0.0072	mg/Kg	☼	05/18/21 05:58	05/18/21 16:03	1
PCB-1254	<0.0039		0.018	0.0039	mg/Kg	☼	05/18/21 05:58	05/18/21 16:03	1
PCB-1260	<0.0090		0.018	0.0090	mg/Kg	☼	05/18/21 05:58	05/18/21 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*49 - 129*	*05/18/21 05:58*	*05/18/21 16:03*	*1*
DCB Decachlorobiphenyl	*50*		*37 - 121*	*05/18/21 05:58*	*05/18/21 16:03*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-4 (10-12)
Lab Sample ID: 500-198786-8
Date Collected: 05/03/21 14:00
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 86.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030	*+	0.065	0.030	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,1,1-Trichloroethane	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,1,2,2-Tetrachloroethane	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,1,2-Trichloroethane	<0.023	*+	0.065	0.023	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,1-Dichloroethane	<0.027	*+	0.065	0.027	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,1-Dichloroethene	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,1-Dichloropropene	<0.019		0.065	0.019	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2,3-Trichlorobenzene	<0.030		0.065	0.030	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2,3-Trichloropropane	<0.027	*+	0.13	0.027	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2,4-Trichlorobenzene	<0.022		0.065	0.022	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2,4-Trimethylbenzene	<0.023		0.065	0.023	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2-Dibromo-3-Chloropropane	<0.13	*+ *-	0.33	0.13	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2-Dibromoethane	<0.025	*+	0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2-Dichlorobenzene	<0.022	*+	0.065	0.022	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2-Dichloroethane	<0.026	*+	0.065	0.026	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,2-Dichloropropane	<0.028	*+	0.065	0.028	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,3,5-Trimethylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,3-Dichlorobenzene	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,3-Dichloropropane	<0.024	*+	0.065	0.024	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
1,4-Dichlorobenzene	<0.024		0.065	0.024	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
2,2-Dichloropropane	<0.029		0.065	0.029	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
2-Chlorotoluene	<0.020		0.065	0.020	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
4-Chlorotoluene	<0.023		0.065	0.023	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Benzene	<0.0095	*+	0.016	0.0095	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Bromobenzene	<0.023	*+	0.065	0.023	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Bromochloromethane	<0.028	*+	0.065	0.028	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Bromodichloromethane	<0.024	*+	0.065	0.024	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Bromoform	<0.032	*+	0.065	0.032	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Bromomethane	<0.052	*+	0.20	0.052	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Carbon tetrachloride	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Chlorobenzene	<0.025	*+	0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Chloroethane	<0.033	*+	0.065	0.033	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Chloroform	<0.024	*+	0.13	0.024	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Chloromethane	<0.021		0.065	0.021	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
cis-1,2-Dichloroethene	<0.027		0.065	0.027	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
cis-1,3-Dichloropropene	<0.027		0.065	0.027	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Dibromochloromethane	<0.032	*+	0.065	0.032	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Dibromomethane	<0.018	*+	0.065	0.018	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Dichlorodifluoromethane	<0.044		0.20	0.044	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Hexachlorobutadiene	<0.029		0.065	0.029	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Isopropyl ether	<0.018		0.065	0.018	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Isopropylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Methyl tert-butyl ether	<0.026	*+	0.065	0.026	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Methylene Chloride	<0.11	*+	0.33	0.11	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Naphthalene	<0.022		0.065	0.022	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
n-Butylbenzene	<0.025		0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
N-Propylbenzene	<0.027		0.065	0.027	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
p-Isopropyltoluene	<0.024		0.065	0.024	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-4 (10-12)
Lab Sample ID: 500-198786-8
Date Collected: 05/03/21 14:00
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 86.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Styrene	<0.025	*+	0.065	0.025	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
tert-Butylbenzene	<0.026		0.065	0.026	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Tetrachloroethene	<0.024		0.065	0.024	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Toluene	<0.0096		0.016	0.0096	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
trans-1,2-Dichloroethene	<0.023		0.065	0.023	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
trans-1,3-Dichloropropene	<0.024		0.065	0.024	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Trichloroethene	<0.011	*+	0.033	0.011	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Trichlorofluoromethane	<0.028		0.065	0.028	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Vinyl chloride	<0.017		0.065	0.017	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50
Xylenes, Total	<0.014		0.033	0.014	mg/Kg	☼	05/03/21 14:00	05/13/21 17:05	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*	*05/03/21 14:00*	*05/13/21 17:05*	*50*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*	*05/03/21 14:00*	*05/13/21 17:05*	*50*
Dibromofluoromethane (Surr)	*86*		*75 - 120*	*05/03/21 14:00*	*05/13/21 17:05*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*05/03/21 14:00*	*05/13/21 17:05*	*50*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Prep Batch: 597570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-1	WB-MW-1 (4-6)	Total/NA	Solid	5035	
500-198786-2	WB-MW-1 (10-12)	Total/NA	Solid	5035	
500-198786-3	WB-MW-2 (3-5)	Total/NA	Solid	5035	
LB3 500-597570/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-597570/20-A	Lab Control Sample	Total/NA	Solid	5035	

Prep Batch: 597571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-4	WB-MW-2 (8.5-10.5)	Total/NA	Solid	5035	
500-198786-5	WB-MW-3 (1-3)	Total/NA	Solid	5035	
500-198786-6	WB-MW-3 (10-12)	Total/NA	Solid	5035	
500-198786-7	WB-MW-4 (2-4)	Total/NA	Solid	5035	
500-198786-8	WB-MW-4 (10-12)	Total/NA	Solid	5035	
LB3 500-597571/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-597571/20-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 598232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-1	WB-MW-1 (4-6)	Total/NA	Solid	8260B	597570
LB3 500-597570/19-A	Method Blank	Total/NA	Solid	8260B	597570
LB3 500-597571/19-A	Method Blank	Total/NA	Solid	8260B	597571
MB 500-598232/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-598232/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 598538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-6	WB-MW-3 (10-12)	Total/NA	Solid	8260B	597571
500-198786-7	WB-MW-4 (2-4)	Total/NA	Solid	8260B	597571
500-198786-8	WB-MW-4 (10-12)	Total/NA	Solid	8260B	597571
MB 500-598538/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-598538/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 598549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-4	WB-MW-2 (8.5-10.5)	Total/NA	Solid	8260B	597571
500-198786-5	WB-MW-3 (1-3)	Total/NA	Solid	8260B	597571
MB 500-598549/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-597570/20-A	Lab Control Sample	Total/NA	Solid	8260B	597570
LCS 500-597571/20-A	Lab Control Sample	Total/NA	Solid	8260B	597571
LCS 500-598549/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 598853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-3	WB-MW-2 (3-5)	Total/NA	Solid	8260B	597570
MB 500-598853/8	Method Blank	Total/NA	Solid	8260B	
LCS 500-598853/5	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 599078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-2	WB-MW-1 (10-12)	Total/NA	Solid	8260B	597570
MB 500-599078/6	Method Blank	Total/NA	Solid	8260B	

GC/MS VOA (Continued)

Analysis Batch: 599078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-599078/4	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 598752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-1	WB-MW-1 (4-6)	Total/NA	Solid	3541	
500-198786-3	WB-MW-2 (3-5)	Total/NA	Solid	3541	
500-198786-5	WB-MW-3 (1-3)	Total/NA	Solid	3541	
500-198786-7	WB-MW-4 (2-4)	Total/NA	Solid	3541	
MB 500-598752/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-598752/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 598863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-1	WB-MW-1 (4-6)	Total/NA	Solid	8270D	598752
500-198786-3	WB-MW-2 (3-5)	Total/NA	Solid	8270D	598752
500-198786-7	WB-MW-4 (2-4)	Total/NA	Solid	8270D	598752
MB 500-598752/1-A	Method Blank	Total/NA	Solid	8270D	598752
LCS 500-598752/2-A	Lab Control Sample	Total/NA	Solid	8270D	598752

Analysis Batch: 598989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-5	WB-MW-3 (1-3)	Total/NA	Solid	8270D	598752

GC Semi VOA

Prep Batch: 599403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-1	WB-MW-1 (4-6)	Total/NA	Solid	3541	
500-198786-3	WB-MW-2 (3-5)	Total/NA	Solid	3541	
500-198786-7	WB-MW-4 (2-4)	Total/NA	Solid	3541	
MB 500-599403/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-599403/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 599554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-1	WB-MW-1 (4-6)	Total/NA	Solid	8082A	599403
500-198786-3	WB-MW-2 (3-5)	Total/NA	Solid	8082A	599403
500-198786-7	WB-MW-4 (2-4)	Total/NA	Solid	8082A	599403
MB 500-599403/1-A	Method Blank	Total/NA	Solid	8082A	599403
LCS 500-599403/2-A	Lab Control Sample	Total/NA	Solid	8082A	599403

Prep Batch: 599633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-5	WB-MW-3 (1-3)	Total/NA	Solid	3541	
MB 500-599633/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-599633/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 599810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-5	WB-MW-3 (1-3)	Total/NA	Solid	8082A	599633

GC Semi VOA (Continued)

Analysis Batch: 599810 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-599633/1-A	Method Blank	Total/NA	Solid	8082A	599633
LCS 500-599633/2-A	Lab Control Sample	Total/NA	Solid	8082A	599633

General Chemistry

Analysis Batch: 598923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-198786-1	WB-MW-1 (4-6)	Total/NA	Solid	Moisture	
500-198786-2	WB-MW-1 (10-12)	Total/NA	Solid	Moisture	
500-198786-3	WB-MW-2 (3-5)	Total/NA	Solid	Moisture	
500-198786-4	WB-MW-2 (8.5-10.5)	Total/NA	Solid	Moisture	
500-198786-5	WB-MW-3 (1-3)	Total/NA	Solid	Moisture	
500-198786-6	WB-MW-3 (10-12)	Total/NA	Solid	Moisture	
500-198786-7	WB-MW-4 (2-4)	Total/NA	Solid	Moisture	
500-198786-8	WB-MW-4 (10-12)	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443

Job ID: 500-198786-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-198786-1	WB-MW-1 (4-6)	93	83	85	93
500-198786-2	WB-MW-1 (10-12)	94	83	82	94
500-198786-3	WB-MW-2 (3-5)	94	92	90	97
500-198786-4	WB-MW-2 (8.5-10.5)	125	92	122 S1+	94
500-198786-5	WB-MW-3 (1-3)	109	90	111	98
500-198786-6	WB-MW-3 (10-12)	92	85	82	95
500-198786-7	WB-MW-4 (2-4)	94	84	84	95
500-198786-8	WB-MW-4 (10-12)	95	84	86	95
LB3 500-597570/19-A	Method Blank	89	82	81	94
LB3 500-597571/19-A	Method Blank	89	82	80	93
LCS 500-597570/20-A	Lab Control Sample	114	88	113	98
LCS 500-597571/20-A	Lab Control Sample	113	88	111	97
LCS 500-598232/4	Lab Control Sample	94	85	94	94
LCS 500-598538/4	Lab Control Sample	89	84	89	96
LCS 500-598549/4	Lab Control Sample	99	88	101	101
LCS 500-598853/5	Lab Control Sample	90	95	92	100
LCS 500-599078/4	Lab Control Sample	92	83	90	96
MB 500-598232/6	Method Blank	94	83	88	91
MB 500-598538/6	Method Blank	92	85	86	96
MB 500-598549/6	Method Blank	108	92	109	100
MB 500-598853/8	Method Blank	94	98	92	99
MB 500-599078/6	Method Blank	92	84	86	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(43-145)	(37-147)	(42-157)
500-198786-1	WB-MW-1 (4-6)	90	101	92
500-198786-3	WB-MW-2 (3-5)	84	97	88
500-198786-5	WB-MW-3 (1-3)	84	61	87
500-198786-7	WB-MW-4 (2-4)	79	93	88
LCS 500-598752/2-A	Lab Control Sample	88	106	95
MB 500-598752/1-A	Method Blank	95	105	93

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-198786-1	WB-MW-1 (4-6)	67	73
500-198786-3	WB-MW-2 (3-5)	73	85
500-198786-7	WB-MW-4 (2-4)	68	50
LCS 500-599403/2-A	Lab Control Sample	83	83
MB 500-599403/1-A	Method Blank	74	70

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-198786-5	WB-MW-3 (1-3)	89	71
LCS 500-599633/2-A	Lab Control Sample	88	91
MB 500-599633/1-A	Method Blank	80	97

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-597570/19-A
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 597570

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Bromoform	<0.024		0.050	0.024	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Chloroform	<0.019		0.10	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 14:50	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-597570/19-A
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 597570

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Styrene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		05/07/21 21:00	05/12/21 14:50	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		05/07/21 21:00	05/12/21 14:50	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*	*05/07/21 21:00*	*05/12/21 14:50*	*50*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*	*05/07/21 21:00*	*05/12/21 14:50*	*50*
Dibromofluoromethane (Surr)	*81*		*75 - 120*	*05/07/21 21:00*	*05/12/21 14:50*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*05/07/21 21:00*	*05/12/21 14:50*	*50*

Lab Sample ID: LCS 500-597570/20-A
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 597570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	3.54	*+	mg/Kg		142	70 - 125
1,1,1-Trichloroethane	2.50	2.96		mg/Kg		118	70 - 125
1,1,2,2-Tetrachloroethane	2.50	3.20		mg/Kg		128	62 - 140
1,1,2-Trichloroethane	2.50	3.63	*+	mg/Kg		145	71 - 130
1,1-Dichloroethane	2.50	3.25	*+	mg/Kg		130	70 - 125
1,1-Dichloroethene	2.50	2.85		mg/Kg		114	67 - 122
1,1-Dichloropropene	2.50	2.73		mg/Kg		109	70 - 121
1,2,3-Trichlorobenzene	2.50	3.19		mg/Kg		127	51 - 145
1,2,3-Trichloropropane	2.50	3.66	*+	mg/Kg		146	50 - 133
1,2,4-Trichlorobenzene	2.50	2.73		mg/Kg		109	57 - 137
1,2,4-Trimethylbenzene	2.50	2.88		mg/Kg		115	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	3.21	*+	mg/Kg		129	56 - 123
1,2-Dibromoethane	2.50	3.42	*+	mg/Kg		137	70 - 125
1,2-Dichlorobenzene	2.50	3.29	*+	mg/Kg		131	70 - 125
1,2-Dichloroethane	2.50	3.71	*+	mg/Kg		149	68 - 127
1,2-Dichloropropane	2.50	3.30	*+	mg/Kg		132	67 - 130
1,3,5-Trimethylbenzene	2.50	2.86		mg/Kg		114	70 - 123
1,3-Dichlorobenzene	2.50	3.08		mg/Kg		123	70 - 125
1,3-Dichloropropane	2.50	3.34		mg/Kg		134	62 - 136
1,4-Dichlorobenzene	2.50	3.11	*+	mg/Kg		125	70 - 120
2,2-Dichloropropane	2.50	2.41		mg/Kg		96	58 - 139
2-Chlorotoluene	2.50	2.87		mg/Kg		115	70 - 125
4-Chlorotoluene	2.50	2.86		mg/Kg		114	68 - 124
Benzene	2.50	3.23	*+	mg/Kg		129	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-597570/20-A
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 597570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	3.23	*+	mg/Kg		129	70 - 122
Bromochloromethane	2.50	3.76	*+	mg/Kg		151	65 - 122
Bromodichloromethane	2.50	3.28	*+	mg/Kg		131	69 - 120
Bromoform	2.50	3.64	*+	mg/Kg		145	56 - 132
Bromomethane	2.50	4.27	*+	mg/Kg		171	40 - 152
Carbon tetrachloride	2.50	2.92		mg/Kg		117	59 - 133
Chlorobenzene	2.50	3.21	*+	mg/Kg		128	70 - 120
Chloroethane	2.50	4.54	*+	mg/Kg		182	48 - 136
Chloroform	2.50	3.31	*+	mg/Kg		132	70 - 120
Chloromethane	2.50	2.47		mg/Kg		99	56 - 152
cis-1,2-Dichloroethene	2.50	3.18	*+	mg/Kg		127	70 - 125
cis-1,3-Dichloropropene	2.50	2.99		mg/Kg		120	64 - 127
Dibromochloromethane	2.50	3.56	*+	mg/Kg		142	68 - 125
Dibromomethane	2.50	3.67	*+	mg/Kg		147	70 - 120
Dichlorodifluoromethane	2.50	1.82		mg/Kg		73	40 - 159
Ethylbenzene	2.50	2.80		mg/Kg		112	70 - 123
Hexachlorobutadiene	2.50	3.05		mg/Kg		122	51 - 150
Isopropylbenzene	2.50	2.68		mg/Kg		107	70 - 126
Methyl tert-butyl ether	2.50	3.18	*+	mg/Kg		127	55 - 123
Methylene Chloride	2.50	3.56	*+	mg/Kg		143	69 - 125
Naphthalene	2.50	3.16		mg/Kg		126	53 - 144
n-Butylbenzene	2.50	2.43		mg/Kg		97	68 - 125
N-Propylbenzene	2.50	2.65		mg/Kg		106	69 - 127
p-Isopropyltoluene	2.50	2.68		mg/Kg		107	70 - 125
sec-Butylbenzene	2.50	2.62		mg/Kg		105	70 - 123
Styrene	2.50	3.16	*+	mg/Kg		126	70 - 120
tert-Butylbenzene	2.50	2.67		mg/Kg		107	70 - 121
Tetrachloroethene	2.50	3.13		mg/Kg		125	70 - 128
Toluene	2.50	3.15	*+	mg/Kg		126	70 - 125
trans-1,2-Dichloroethene	2.50	3.22	*+	mg/Kg		129	70 - 125
trans-1,3-Dichloropropene	2.50	2.80		mg/Kg		112	62 - 128
Trichloroethene	2.50	3.27	*+	mg/Kg		131	70 - 125
Trichlorofluoromethane	2.50	2.90		mg/Kg		116	55 - 128
Vinyl chloride	2.50	2.70		mg/Kg		108	64 - 126
Xylenes, Total	5.00	5.62		mg/Kg		112	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*113*		*75 - 120*
Toluene-d8 (Surr)	*98*		*75 - 120*

Lab Sample ID: LB3 500-597571/19-A
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 597571

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		05/07/21 21:00	05/12/21 15:18	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-597571/19-A
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 597571

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Bromoform	<0.024		0.050	0.024	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Chloroform	<0.019		0.10	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 15:18	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-597571/19-A
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 597571

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		05/07/21 21:00	05/12/21 15:18	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		05/07/21 21:00	05/12/21 15:18	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*	*05/07/21 21:00*	*05/12/21 15:18*	*50*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*	*05/07/21 21:00*	*05/12/21 15:18*	*50*
Dibromofluoromethane (Surr)	*80*		*75 - 120*	*05/07/21 21:00*	*05/12/21 15:18*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*	*05/07/21 21:00*	*05/12/21 15:18*	*50*

Lab Sample ID: LCS 500-597571/20-A
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 597571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	3.38	*+	mg/Kg		135	70 - 125
1,1,1-Trichloroethane	2.50	2.89		mg/Kg		116	70 - 125
1,1,2,2-Tetrachloroethane	2.50	3.20		mg/Kg		128	62 - 140
1,1,2-Trichloroethane	2.50	3.68	*+	mg/Kg		147	71 - 130
1,1-Dichloroethane	2.50	3.16	*+	mg/Kg		127	70 - 125
1,1-Dichloroethene	2.50	2.77		mg/Kg		111	67 - 122
1,1-Dichloropropene	2.50	2.72		mg/Kg		109	70 - 121
1,2,3-Trichlorobenzene	2.50	2.88		mg/Kg		115	51 - 145
1,2,3-Trichloropropane	2.50	3.44	*+	mg/Kg		138	50 - 133
1,2,4-Trichlorobenzene	2.50	2.40		mg/Kg		96	57 - 137
1,2,4-Trimethylbenzene	2.50	2.67		mg/Kg		107	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	3.13	*+	mg/Kg		125	56 - 123
1,2-Dibromoethane	2.50	3.55	*+	mg/Kg		142	70 - 125
1,2-Dichlorobenzene	2.50	3.14	*+	mg/Kg		126	70 - 125
1,2-Dichloroethane	2.50	3.68	*+	mg/Kg		147	68 - 127
1,2-Dichloropropane	2.50	3.38	*+	mg/Kg		135	67 - 130
1,3,5-Trimethylbenzene	2.50	2.68		mg/Kg		107	70 - 123
1,3-Dichlorobenzene	2.50	2.92		mg/Kg		117	70 - 125
1,3-Dichloropropane	2.50	3.44	*+	mg/Kg		138	62 - 136
1,4-Dichlorobenzene	2.50	2.97		mg/Kg		119	70 - 120
2,2-Dichloropropane	2.50	2.31		mg/Kg		92	58 - 139
2-Chlorotoluene	2.50	2.71		mg/Kg		108	70 - 125
4-Chlorotoluene	2.50	2.72		mg/Kg		109	68 - 124
Benzene	2.50	3.20	*+	mg/Kg		128	70 - 120
Bromobenzene	2.50	3.17	*+	mg/Kg		127	70 - 122
Bromochloromethane	2.50	3.60	*+	mg/Kg		144	65 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-597571/20-A
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 597571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	2.50	3.33	*+	mg/Kg		133	69 - 120
Bromoform	2.50	3.72	*+	mg/Kg		149	56 - 132
Bromomethane	2.50	3.88	*+	mg/Kg		155	40 - 152
Carbon tetrachloride	2.50	2.85		mg/Kg		114	59 - 133
Chlorobenzene	2.50	3.21	*+	mg/Kg		129	70 - 120
Chloroethane	2.50	4.21	*+	mg/Kg		169	48 - 136
Chloroform	2.50	3.24	*+	mg/Kg		130	70 - 120
Chloromethane	2.50	2.34		mg/Kg		93	56 - 152
cis-1,2-Dichloroethene	2.50	3.09		mg/Kg		124	70 - 125
cis-1,3-Dichloropropene	2.50	2.99		mg/Kg		120	64 - 127
Dibromochloromethane	2.50	3.53	*+	mg/Kg		141	68 - 125
Dibromomethane	2.50	3.64	*+	mg/Kg		146	70 - 120
Dichlorodifluoromethane	2.50	1.60		mg/Kg		64	40 - 159
Ethylbenzene	2.50	2.81		mg/Kg		113	70 - 123
Hexachlorobutadiene	2.50	2.49		mg/Kg		100	51 - 150
Isopropylbenzene	2.50	2.61		mg/Kg		104	70 - 126
Methyl tert-butyl ether	2.50	3.15	*+	mg/Kg		126	55 - 123
Methylene Chloride	2.50	3.36	*+	mg/Kg		134	69 - 125
Naphthalene	2.50	3.01		mg/Kg		120	53 - 144
n-Butylbenzene	2.50	2.14		mg/Kg		86	68 - 125
N-Propylbenzene	2.50	2.50		mg/Kg		100	69 - 127
p-Isopropyltoluene	2.50	2.45		mg/Kg		98	70 - 125
sec-Butylbenzene	2.50	2.49		mg/Kg		100	70 - 123
Styrene	2.50	3.10	*+	mg/Kg		124	70 - 120
tert-Butylbenzene	2.50	2.61		mg/Kg		104	70 - 121
Tetrachloroethene	2.50	3.03		mg/Kg		121	70 - 128
Toluene	2.50	3.07		mg/Kg		123	70 - 125
trans-1,2-Dichloroethene	2.50	3.05		mg/Kg		122	70 - 125
trans-1,3-Dichloropropene	2.50	2.92		mg/Kg		117	62 - 128
Trichloroethene	2.50	3.23	*+	mg/Kg		129	70 - 125
Trichlorofluoromethane	2.50	2.79		mg/Kg		112	55 - 128
Vinyl chloride	2.50	2.66		mg/Kg		107	64 - 126
Xylenes, Total	5.00	5.55		mg/Kg		111	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*111*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Sample ID: MB 500-598232/6
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			05/12/21 14:23	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			05/12/21 14:23	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			05/12/21 14:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598232/6
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			05/12/21 14:23	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			05/12/21 14:23	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			05/12/21 14:23	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			05/12/21 14:23	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			05/12/21 14:23	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			05/12/21 14:23	1
1,2,4-Trichlorobenzene	0.000377	J	0.0010	0.00034	mg/Kg			05/12/21 14:23	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			05/12/21 14:23	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			05/12/21 14:23	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			05/12/21 14:23	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			05/12/21 14:23	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			05/12/21 14:23	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			05/12/21 14:23	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/12/21 14:23	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			05/12/21 14:23	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			05/12/21 14:23	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/12/21 14:23	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			05/12/21 14:23	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			05/12/21 14:23	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			05/12/21 14:23	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			05/12/21 14:23	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/12/21 14:23	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			05/12/21 14:23	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			05/12/21 14:23	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			05/12/21 14:23	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			05/12/21 14:23	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			05/12/21 14:23	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			05/12/21 14:23	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			05/12/21 14:23	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			05/12/21 14:23	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			05/12/21 14:23	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			05/12/21 14:23	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			05/12/21 14:23	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			05/12/21 14:23	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			05/12/21 14:23	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			05/12/21 14:23	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			05/12/21 14:23	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			05/12/21 14:23	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			05/12/21 14:23	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/12/21 14:23	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			05/12/21 14:23	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			05/12/21 14:23	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			05/12/21 14:23	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			05/12/21 14:23	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			05/12/21 14:23	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			05/12/21 14:23	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/12/21 14:23	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			05/12/21 14:23	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/12/21 14:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598232/6
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			05/12/21 14:23	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			05/12/21 14:23	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			05/12/21 14:23	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			05/12/21 14:23	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			05/12/21 14:23	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			05/12/21 14:23	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			05/12/21 14:23	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			05/12/21 14:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/12/21 14:23*	*1*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*05/12/21 14:23*	*1*
Dibromofluoromethane (Surr)	*88*		*75 - 120*		*05/12/21 14:23*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*05/12/21 14:23*	*1*

Lab Sample ID: LCS 500-598232/4
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0509		mg/Kg		102	70 - 125
1,1,1-Trichloroethane	0.0500	0.0571		mg/Kg		114	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0427		mg/Kg		85	62 - 140
1,1,2-Trichloroethane	0.0500	0.0521		mg/Kg		104	71 - 130
1,1-Dichloroethane	0.0500	0.0531		mg/Kg		106	70 - 125
1,1-Dichloroethene	0.0500	0.0545		mg/Kg		109	67 - 122
1,1-Dichloropropene	0.0500	0.0555		mg/Kg		111	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0490		mg/Kg		98	51 - 145
1,2,3-Trichloropropane	0.0500	0.0440		mg/Kg		88	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0464		mg/Kg		93	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0515		mg/Kg		103	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0316		mg/Kg		63	56 - 123
1,2-Dibromoethane	0.0500	0.0491		mg/Kg		98	70 - 125
1,2-Dichlorobenzene	0.0500	0.0510		mg/Kg		102	70 - 125
1,2-Dichloroethane	0.0500	0.0574		mg/Kg		115	68 - 127
1,2-Dichloropropane	0.0500	0.0553		mg/Kg		111	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0519		mg/Kg		104	70 - 123
1,3-Dichlorobenzene	0.0500	0.0523		mg/Kg		105	70 - 125
1,3-Dichloropropane	0.0500	0.0515		mg/Kg		103	62 - 136
1,4-Dichlorobenzene	0.0500	0.0518		mg/Kg		104	70 - 120
2,2-Dichloropropane	0.0500	0.0598		mg/Kg		120	58 - 139
2-Chlorotoluene	0.0500	0.0513		mg/Kg		103	70 - 125
4-Chlorotoluene	0.0500	0.0520		mg/Kg		104	68 - 124
Benzene	0.0500	0.0578		mg/Kg		116	70 - 120
Bromobenzene	0.0500	0.0488		mg/Kg		98	70 - 122
Bromochloromethane	0.0500	0.0569		mg/Kg		114	65 - 122
Bromodichloromethane	0.0500	0.0509		mg/Kg		102	69 - 120
Bromoform	0.0500	0.0387		mg/Kg		77	56 - 132

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-598232/4
Matrix: Solid
Analysis Batch: 598232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.0688		mg/Kg		138	40 - 152
Carbon tetrachloride	0.0500	0.0527		mg/Kg		105	59 - 133
Chlorobenzene	0.0500	0.0567		mg/Kg		113	70 - 120
Chloroethane	0.0500	0.0630		mg/Kg		126	48 - 136
Chloroform	0.0500	0.0559		mg/Kg		112	70 - 120
Chloromethane	0.0500	0.0530		mg/Kg		106	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0568		mg/Kg		114	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0464		mg/Kg		93	64 - 127
Dibromochloromethane	0.0500	0.0425		mg/Kg		85	68 - 125
Dibromomethane	0.0500	0.0564		mg/Kg		113	70 - 120
Dichlorodifluoromethane	0.0500	0.0557		mg/Kg		111	40 - 159
Ethylbenzene	0.0500	0.0582		mg/Kg		116	70 - 123
Hexachlorobutadiene	0.0500	0.0568		mg/Kg		114	51 - 150
Isopropylbenzene	0.0500	0.0513		mg/Kg		103	70 - 126
Methyl tert-butyl ether	0.0500	0.0561		mg/Kg		112	55 - 123
Methylene Chloride	0.0500	0.0533		mg/Kg		107	69 - 125
Naphthalene	0.0500	0.0442		mg/Kg		88	53 - 144
n-Butylbenzene	0.0500	0.0542		mg/Kg		108	68 - 125
N-Propylbenzene	0.0500	0.0528		mg/Kg		106	69 - 127
p-Isopropyltoluene	0.0500	0.0542		mg/Kg		108	70 - 125
sec-Butylbenzene	0.0500	0.0533		mg/Kg		107	70 - 123
Styrene	0.0500	0.0552		mg/Kg		110	70 - 120
tert-Butylbenzene	0.0500	0.0519		mg/Kg		104	70 - 121
Tetrachloroethene	0.0500	0.0581		mg/Kg		116	70 - 128
Toluene	0.0500	0.0551		mg/Kg		110	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0573		mg/Kg		115	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0435		mg/Kg		87	62 - 128
Trichloroethene	0.0500	0.0579		mg/Kg		116	70 - 125
Trichlorofluoromethane	0.0500	0.0516		mg/Kg		103	55 - 128
Vinyl chloride	0.0500	0.0602		mg/Kg		120	64 - 126
Xylenes, Total	0.100	0.119		mg/Kg		119	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*
Dibromofluoromethane (Surr)	*94*		*75 - 120*
Toluene-d8 (Surr)	*94*		*75 - 120*

Lab Sample ID: MB 500-598538/6
Matrix: Solid
Analysis Batch: 598538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			05/13/21 11:11	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			05/13/21 11:11	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			05/13/21 11:11	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			05/13/21 11:11	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			05/13/21 11:11	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598538/6
Matrix: Solid
Analysis Batch: 598538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:11	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			05/13/21 11:11	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			05/13/21 11:11	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			05/13/21 11:11	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			05/13/21 11:11	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:11	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			05/13/21 11:11	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:11	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			05/13/21 11:11	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:11	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			05/13/21 11:11	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/13/21 11:11	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			05/13/21 11:11	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:11	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:11	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			05/13/21 11:11	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			05/13/21 11:11	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			05/13/21 11:11	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			05/13/21 11:11	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:11	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			05/13/21 11:11	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			05/13/21 11:11	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			05/13/21 11:11	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			05/13/21 11:11	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			05/13/21 11:11	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:11	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			05/13/21 11:11	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			05/13/21 11:11	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			05/13/21 11:11	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			05/13/21 11:11	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			05/13/21 11:11	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			05/13/21 11:11	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			05/13/21 11:11	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			05/13/21 11:11	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			05/13/21 11:11	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			05/13/21 11:11	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			05/13/21 11:11	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/13/21 11:11	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:11	1
Methylene Chloride	0.00173	J	0.0050	0.0016	mg/Kg			05/13/21 11:11	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			05/13/21 11:11	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:11	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			05/13/21 11:11	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:11	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/13/21 11:11	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:11	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/13/21 11:11	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			05/13/21 11:11	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			05/13/21 11:11	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598538/6
Matrix: Solid
Analysis Batch: 598538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			05/13/21 11:11	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:11	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			05/13/21 11:11	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			05/13/21 11:11	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			05/13/21 11:11	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			05/13/21 11:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*05/13/21 11:11*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 124*		*05/13/21 11:11*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 120*		*05/13/21 11:11*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/13/21 11:11*	*1*

Lab Sample ID: LCS 500-598538/4
Matrix: Solid
Analysis Batch: 598538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0444		mg/Kg		89	70 - 125
1,1,1-Trichloroethane	0.0500	0.0470		mg/Kg		94	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0373		mg/Kg		75	62 - 140
1,1,2-Trichloroethane	0.0500	0.0439		mg/Kg		88	71 - 130
1,1-Dichloroethane	0.0500	0.0416		mg/Kg		83	70 - 125
1,1-Dichloroethene	0.0500	0.0361		mg/Kg		72	67 - 122
1,1-Dichloropropene	0.0500	0.0454		mg/Kg		91	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0437		mg/Kg		87	51 - 145
1,2,3-Trichloropropane	0.0500	0.0366		mg/Kg		73	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0438		mg/Kg		88	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0472		mg/Kg		94	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0273	*-	mg/Kg		55	56 - 123
1,2-Dibromoethane	0.0500	0.0417		mg/Kg		83	70 - 125
1,2-Dichlorobenzene	0.0500	0.0446		mg/Kg		89	70 - 125
1,2-Dichloroethane	0.0500	0.0450		mg/Kg		90	68 - 127
1,2-Dichloropropane	0.0500	0.0449		mg/Kg		90	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0472		mg/Kg		94	70 - 123
1,3-Dichlorobenzene	0.0500	0.0474		mg/Kg		95	70 - 125
1,3-Dichloropropane	0.0500	0.0439		mg/Kg		88	62 - 136
1,4-Dichlorobenzene	0.0500	0.0474		mg/Kg		95	70 - 120
2,2-Dichloropropane	0.0500	0.0508		mg/Kg		102	58 - 139
2-Chlorotoluene	0.0500	0.0462		mg/Kg		92	70 - 125
4-Chlorotoluene	0.0500	0.0476		mg/Kg		95	68 - 124
Benzene	0.0500	0.0459		mg/Kg		92	70 - 120
Bromobenzene	0.0500	0.0429		mg/Kg		86	70 - 122
Bromochloromethane	0.0500	0.0441		mg/Kg		88	65 - 122
Bromodichloromethane	0.0500	0.0423		mg/Kg		85	69 - 120
Bromoform	0.0500	0.0340		mg/Kg		68	56 - 132
Bromomethane	0.0500	0.0552		mg/Kg		110	40 - 152
Carbon tetrachloride	0.0500	0.0433		mg/Kg		87	59 - 133

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-598538/4
Matrix: Solid
Analysis Batch: 598538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	0.0500	0.0493		mg/Kg		99	70 - 120
Chloroethane	0.0500	0.0511		mg/Kg		102	48 - 136
Chloroform	0.0500	0.0452		mg/Kg		90	70 - 120
Chloromethane	0.0500	0.0425		mg/Kg		85	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0443		mg/Kg		89	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0398		mg/Kg		80	64 - 127
Dibromochloromethane	0.0500	0.0366		mg/Kg		73	68 - 125
Dibromomethane	0.0500	0.0452		mg/Kg		90	70 - 120
Dichlorodifluoromethane	0.0500	0.0446		mg/Kg		89	40 - 159
Ethylbenzene	0.0500	0.0524		mg/Kg		105	70 - 123
Hexachlorobutadiene	0.0500	0.0520		mg/Kg		104	51 - 150
Isopropylbenzene	0.0500	0.0466		mg/Kg		93	70 - 126
Methyl tert-butyl ether	0.0500	0.0434		mg/Kg		87	55 - 123
Methylene Chloride	0.0500	0.0417		mg/Kg		83	69 - 125
Naphthalene	0.0500	0.0388		mg/Kg		78	53 - 144
n-Butylbenzene	0.0500	0.0518		mg/Kg		104	68 - 125
N-Propylbenzene	0.0500	0.0487		mg/Kg		97	69 - 127
p-Isopropyltoluene	0.0500	0.0507		mg/Kg		101	70 - 125
sec-Butylbenzene	0.0500	0.0490		mg/Kg		98	70 - 123
Styrene	0.0500	0.0492		mg/Kg		98	70 - 120
tert-Butylbenzene	0.0500	0.0468		mg/Kg		94	70 - 121
Tetrachloroethene	0.0500	0.0522		mg/Kg		104	70 - 128
Toluene	0.0500	0.0478		mg/Kg		96	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0429		mg/Kg		86	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0387		mg/Kg		77	62 - 128
Trichloroethene	0.0500	0.0481		mg/Kg		96	70 - 125
Trichlorofluoromethane	0.0500	0.0432		mg/Kg		86	55 - 128
Vinyl chloride	0.0500	0.0496		mg/Kg		99	64 - 126
Xylenes, Total	0.100	0.105		mg/Kg		105	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*
4-Bromofluorobenzene (Surr)	*84*		*72 - 124*
Dibromofluoromethane (Surr)	*89*		*75 - 120*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Sample ID: MB 500-598549/6
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			05/13/21 11:07	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			05/13/21 11:07	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			05/13/21 11:07	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			05/13/21 11:07	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			05/13/21 11:07	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:07	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			05/13/21 11:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598549/6
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			05/13/21 11:07	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			05/13/21 11:07	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			05/13/21 11:07	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:07	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			05/13/21 11:07	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:07	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			05/13/21 11:07	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:07	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			05/13/21 11:07	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/13/21 11:07	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			05/13/21 11:07	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:07	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:07	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			05/13/21 11:07	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			05/13/21 11:07	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			05/13/21 11:07	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			05/13/21 11:07	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:07	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			05/13/21 11:07	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			05/13/21 11:07	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			05/13/21 11:07	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			05/13/21 11:07	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			05/13/21 11:07	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:07	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			05/13/21 11:07	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			05/13/21 11:07	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			05/13/21 11:07	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			05/13/21 11:07	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			05/13/21 11:07	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			05/13/21 11:07	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			05/13/21 11:07	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			05/13/21 11:07	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			05/13/21 11:07	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			05/13/21 11:07	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			05/13/21 11:07	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/13/21 11:07	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:07	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			05/13/21 11:07	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			05/13/21 11:07	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:07	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			05/13/21 11:07	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:07	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/13/21 11:07	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			05/13/21 11:07	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/13/21 11:07	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			05/13/21 11:07	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			05/13/21 11:07	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			05/13/21 11:07	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			05/13/21 11:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598549/6
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			05/13/21 11:07	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			05/13/21 11:07	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			05/13/21 11:07	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			05/13/21 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*		*05/13/21 11:07*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*05/13/21 11:07*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 120*		*05/13/21 11:07*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*05/13/21 11:07*	*1*

Lab Sample ID: LCS 500-598549/4
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0540		mg/Kg		108	70 - 125
1,1,1-Trichloroethane	0.0500	0.0467		mg/Kg		93	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0486		mg/Kg		97	62 - 140
1,1,2-Trichloroethane	0.0500	0.0532		mg/Kg		106	71 - 130
1,1-Dichloroethane	0.0500	0.0456		mg/Kg		91	70 - 125
1,1-Dichloroethene	0.0500	0.0396		mg/Kg		79	67 - 122
1,1-Dichloropropene	0.0500	0.0452		mg/Kg		90	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0515		mg/Kg		103	51 - 145
1,2,3-Trichloropropane	0.0500	0.0507		mg/Kg		101	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0502		mg/Kg		100	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0491		mg/Kg		98	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0454		mg/Kg		91	56 - 123
1,2-Dibromoethane	0.0500	0.0525		mg/Kg		105	70 - 125
1,2-Dichlorobenzene	0.0500	0.0528		mg/Kg		106	70 - 125
1,2-Dichloroethane	0.0500	0.0511		mg/Kg		102	68 - 127
1,2-Dichloropropane	0.0500	0.0478		mg/Kg		96	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0493		mg/Kg		99	70 - 123
1,3-Dichlorobenzene	0.0500	0.0528		mg/Kg		106	70 - 125
1,3-Dichloropropane	0.0500	0.0515		mg/Kg		103	62 - 136
1,4-Dichlorobenzene	0.0500	0.0530		mg/Kg		106	70 - 120
2,2-Dichloropropane	0.0500	0.0404		mg/Kg		81	58 - 139
2-Chlorotoluene	0.0500	0.0477		mg/Kg		95	70 - 125
4-Chlorotoluene	0.0500	0.0488		mg/Kg		98	68 - 124
Benzene	0.0500	0.0460		mg/Kg		92	70 - 120
Bromobenzene	0.0500	0.0521		mg/Kg		104	70 - 122
Bromochloromethane	0.0500	0.0505		mg/Kg		101	65 - 122
Bromodichloromethane	0.0500	0.0481		mg/Kg		96	69 - 120
Bromoform	0.0500	0.0554		mg/Kg		111	56 - 132
Bromomethane	0.0500	0.0634		mg/Kg		127	40 - 152
Carbon tetrachloride	0.0500	0.0472		mg/Kg		94	59 - 133
Chlorobenzene	0.0500	0.0532		mg/Kg		106	70 - 120
Chloroethane	0.0500	0.0687	*+	mg/Kg		137	48 - 136

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-598549/4
Matrix: Solid
Analysis Batch: 598549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	0.0500	0.0471		mg/Kg		94	70 - 120
Chloromethane	0.0500	0.0453		mg/Kg		91	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0455		mg/Kg		91	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0487		mg/Kg		97	64 - 127
Dibromochloromethane	0.0500	0.0544		mg/Kg		109	68 - 125
Dibromomethane	0.0500	0.0494		mg/Kg		99	70 - 120
Dichlorodifluoromethane	0.0500	0.0529		mg/Kg		106	40 - 159
Ethylbenzene	0.0500	0.0493		mg/Kg		99	70 - 123
Hexachlorobutadiene	0.0500	0.0546		mg/Kg		109	51 - 150
Isopropylbenzene	0.0500	0.0484		mg/Kg		97	70 - 126
Methyl tert-butyl ether	0.0500	0.0419		mg/Kg		84	55 - 123
Methylene Chloride	0.0500	0.0482		mg/Kg		96	69 - 125
Naphthalene	0.0500	0.0471		mg/Kg		94	53 - 144
n-Butylbenzene	0.0500	0.0482		mg/Kg		96	68 - 125
N-Propylbenzene	0.0500	0.0488		mg/Kg		98	69 - 127
p-Isopropyltoluene	0.0500	0.0503		mg/Kg		101	70 - 125
sec-Butylbenzene	0.0500	0.0492		mg/Kg		98	70 - 123
Styrene	0.0500	0.0518		mg/Kg		104	70 - 120
tert-Butylbenzene	0.0500	0.0500		mg/Kg		100	70 - 121
Tetrachloroethene	0.0500	0.0575		mg/Kg		115	70 - 128
Toluene	0.0500	0.0507		mg/Kg		101	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0453		mg/Kg		91	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0474		mg/Kg		95	62 - 128
Trichloroethene	0.0500	0.0518		mg/Kg		104	70 - 125
Trichlorofluoromethane	0.0500	0.0512		mg/Kg		102	55 - 128
Vinyl chloride	0.0500	0.0528		mg/Kg		106	64 - 126
Xylenes, Total	0.100	0.0969		mg/Kg		97	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: MB 500-598853/8
Matrix: Solid
Analysis Batch: 598853

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			05/14/21 12:10	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			05/14/21 12:10	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			05/14/21 12:10	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			05/14/21 12:10	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			05/14/21 12:10	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			05/14/21 12:10	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			05/14/21 12:10	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			05/14/21 12:10	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			05/14/21 12:10	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598853/8
Matrix: Solid
Analysis Batch: 598853

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			05/14/21 12:10	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			05/14/21 12:10	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			05/14/21 12:10	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			05/14/21 12:10	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			05/14/21 12:10	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			05/14/21 12:10	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			05/14/21 12:10	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/14/21 12:10	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			05/14/21 12:10	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			05/14/21 12:10	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/14/21 12:10	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			05/14/21 12:10	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			05/14/21 12:10	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			05/14/21 12:10	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			05/14/21 12:10	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/14/21 12:10	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			05/14/21 12:10	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			05/14/21 12:10	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			05/14/21 12:10	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			05/14/21 12:10	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			05/14/21 12:10	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			05/14/21 12:10	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			05/14/21 12:10	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			05/14/21 12:10	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			05/14/21 12:10	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			05/14/21 12:10	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			05/14/21 12:10	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			05/14/21 12:10	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			05/14/21 12:10	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			05/14/21 12:10	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			05/14/21 12:10	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			05/14/21 12:10	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			05/14/21 12:10	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/14/21 12:10	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			05/14/21 12:10	1
Methylene Chloride	0.00208	J	0.0050	0.0016	mg/Kg			05/14/21 12:10	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			05/14/21 12:10	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			05/14/21 12:10	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			05/14/21 12:10	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			05/14/21 12:10	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/14/21 12:10	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			05/14/21 12:10	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/14/21 12:10	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			05/14/21 12:10	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			05/14/21 12:10	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			05/14/21 12:10	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			05/14/21 12:10	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			05/14/21 12:10	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			05/14/21 12:10	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598853/8
Matrix: Solid
Analysis Batch: 598853

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			05/14/21 12:10	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			05/14/21 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/14/21 12:10*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*05/14/21 12:10*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 120*		*05/14/21 12:10*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*05/14/21 12:10*	*1*

Lab Sample ID: LCS 500-598853/5
Matrix: Solid
Analysis Batch: 598853

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0469		mg/Kg		94	70 - 125
1,1,1-Trichloroethane	0.0500	0.0447		mg/Kg		89	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0488		mg/Kg		98	62 - 140
1,1,2-Trichloroethane	0.0500	0.0488		mg/Kg		98	71 - 130
1,1-Dichloroethane	0.0500	0.0477		mg/Kg		95	70 - 125
1,1-Dichloroethene	0.0500	0.0476		mg/Kg		95	67 - 122
1,1-Dichloropropene	0.0500	0.0466		mg/Kg		93	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0418		mg/Kg		84	51 - 145
1,2,3-Trichloropropane	0.0500	0.0477		mg/Kg		95	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0428		mg/Kg		86	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0473		mg/Kg		95	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0318		mg/Kg		64	56 - 123
1,2-Dibromoethane	0.0500	0.0481		mg/Kg		96	70 - 125
1,2-Dichlorobenzene	0.0500	0.0454		mg/Kg		91	70 - 125
1,2-Dichloroethane	0.0500	0.0428		mg/Kg		86	68 - 127
1,2-Dichloropropane	0.0500	0.0497		mg/Kg		99	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0466		mg/Kg		93	70 - 123
1,3-Dichlorobenzene	0.0500	0.0471		mg/Kg		94	70 - 125
1,3-Dichloropropane	0.0500	0.0472		mg/Kg		94	62 - 136
1,4-Dichlorobenzene	0.0500	0.0464		mg/Kg		93	70 - 120
2,2-Dichloropropane	0.0500	0.0452		mg/Kg		90	58 - 139
2-Chlorotoluene	0.0500	0.0471		mg/Kg		94	70 - 125
4-Chlorotoluene	0.0500	0.0477		mg/Kg		95	68 - 124
Benzene	0.0500	0.0476		mg/Kg		95	70 - 120
Bromobenzene	0.0500	0.0486		mg/Kg		97	70 - 122
Bromochloromethane	0.0500	0.0473		mg/Kg		95	65 - 122
Bromodichloromethane	0.0500	0.0431		mg/Kg		86	69 - 120
Bromoform	0.0500	0.0427		mg/Kg		85	56 - 132
Bromomethane	0.0500	0.0471		mg/Kg		94	40 - 152
Carbon tetrachloride	0.0500	0.0432		mg/Kg		86	59 - 133
Chlorobenzene	0.0500	0.0479		mg/Kg		96	70 - 120
Chloroethane	0.0500	0.0452		mg/Kg		90	48 - 136
Chloroform	0.0500	0.0427		mg/Kg		85	70 - 120
Chloromethane	0.0500	0.0383		mg/Kg		77	56 - 152

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-598853/5
Matrix: Solid
Analysis Batch: 598853

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	0.0500	0.0467		mg/Kg		93	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0458		mg/Kg		92	64 - 127
Dibromochloromethane	0.0500	0.0426		mg/Kg		85	68 - 125
Dibromomethane	0.0500	0.0465		mg/Kg		93	70 - 120
Dichlorodifluoromethane	0.0500	0.0364		mg/Kg		73	40 - 159
Ethylbenzene	0.0500	0.0483		mg/Kg		97	70 - 123
Hexachlorobutadiene	0.0500	0.0414		mg/Kg		83	51 - 150
Isopropylbenzene	0.0500	0.0493		mg/Kg		99	70 - 126
Methyl tert-butyl ether	0.0500	0.0402		mg/Kg		80	55 - 123
Methylene Chloride	0.0500	0.0487		mg/Kg		97	69 - 125
Naphthalene	0.0500	0.0386		mg/Kg		77	53 - 144
n-Butylbenzene	0.0500	0.0464		mg/Kg		93	68 - 125
N-Propylbenzene	0.0500	0.0488		mg/Kg		98	69 - 127
p-Isopropyltoluene	0.0500	0.0467		mg/Kg		93	70 - 125
sec-Butylbenzene	0.0500	0.0467		mg/Kg		93	70 - 123
Styrene	0.0500	0.0482		mg/Kg		96	70 - 120
tert-Butylbenzene	0.0500	0.0464		mg/Kg		93	70 - 121
Tetrachloroethene	0.0500	0.0502		mg/Kg		100	70 - 128
Toluene	0.0500	0.0495		mg/Kg		99	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0470		mg/Kg		94	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0431		mg/Kg		86	62 - 128
Trichloroethene	0.0500	0.0490		mg/Kg		98	70 - 125
Trichlorofluoromethane	0.0500	0.0394		mg/Kg		79	55 - 128
Vinyl chloride	0.0500	0.0434		mg/Kg		87	64 - 126
Xylenes, Total	0.100	0.0948		mg/Kg		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane (Surr)	*92*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Sample ID: MB 500-599078/6
Matrix: Solid
Analysis Batch: 599078

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			05/16/21 10:40	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			05/16/21 10:40	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			05/16/21 10:40	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			05/16/21 10:40	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			05/16/21 10:40	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			05/16/21 10:40	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			05/16/21 10:40	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			05/16/21 10:40	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			05/16/21 10:40	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			05/16/21 10:40	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			05/16/21 10:40	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-599078/6
Matrix: Solid
Analysis Batch: 599078

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			05/16/21 10:40	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			05/16/21 10:40	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			05/16/21 10:40	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			05/16/21 10:40	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			05/16/21 10:40	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/16/21 10:40	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			05/16/21 10:40	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			05/16/21 10:40	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/16/21 10:40	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			05/16/21 10:40	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			05/16/21 10:40	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			05/16/21 10:40	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			05/16/21 10:40	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			05/16/21 10:40	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			05/16/21 10:40	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			05/16/21 10:40	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			05/16/21 10:40	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			05/16/21 10:40	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			05/16/21 10:40	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			05/16/21 10:40	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			05/16/21 10:40	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			05/16/21 10:40	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			05/16/21 10:40	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			05/16/21 10:40	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			05/16/21 10:40	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			05/16/21 10:40	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			05/16/21 10:40	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			05/16/21 10:40	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			05/16/21 10:40	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			05/16/21 10:40	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			05/16/21 10:40	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			05/16/21 10:40	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			05/16/21 10:40	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			05/16/21 10:40	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			05/16/21 10:40	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			05/16/21 10:40	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			05/16/21 10:40	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			05/16/21 10:40	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/16/21 10:40	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			05/16/21 10:40	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			05/16/21 10:40	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			05/16/21 10:40	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			05/16/21 10:40	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			05/16/21 10:40	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			05/16/21 10:40	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			05/16/21 10:40	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			05/16/21 10:40	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			05/16/21 10:40	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			05/16/21 10:40	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		75 - 126		05/16/21 10:40	1
4-Bromofluorobenzene (Surr)	84		72 - 124		05/16/21 10:40	1
Dibromofluoromethane (Surr)	86		75 - 120		05/16/21 10:40	1
Toluene-d8 (Surr)	94		75 - 120		05/16/21 10:40	1

Lab Sample ID: LCS 500-599078/4
Matrix: Solid
Analysis Batch: 599078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0401		mg/Kg		80	70 - 125
1,1,1-Trichloroethane	0.0500	0.0448		mg/Kg		90	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0328		mg/Kg		66	62 - 140
1,1,2-Trichloroethane	0.0500	0.0392		mg/Kg		78	71 - 130
1,1-Dichloroethane	0.0500	0.0408		mg/Kg		82	70 - 125
1,1-Dichloroethene	0.0500	0.0422		mg/Kg		84	67 - 122
1,1-Dichloropropene	0.0500	0.0445		mg/Kg		89	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0370		mg/Kg		74	51 - 145
1,2,3-Trichloropropane	0.0500	0.0338		mg/Kg		68	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0366		mg/Kg		73	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0408		mg/Kg		82	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0245	*-	mg/Kg		49	56 - 123
1,2-Dibromoethane	0.0500	0.0384		mg/Kg		77	70 - 125
1,2-Dichlorobenzene	0.0500	0.0394		mg/Kg		79	70 - 125
1,2-Dichloroethane	0.0500	0.0432		mg/Kg		86	68 - 127
1,2-Dichloropropane	0.0500	0.0428		mg/Kg		86	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0410		mg/Kg		82	70 - 123
1,3-Dichlorobenzene	0.0500	0.0413		mg/Kg		83	70 - 125
1,3-Dichloropropane	0.0500	0.0402		mg/Kg		80	62 - 136
1,4-Dichlorobenzene	0.0500	0.0407		mg/Kg		81	70 - 120
2,2-Dichloropropane	0.0500	0.0467		mg/Kg		93	58 - 139
2-Chlorotoluene	0.0500	0.0396		mg/Kg		79	70 - 125
4-Chlorotoluene	0.0500	0.0407		mg/Kg		81	68 - 124
Benzene	0.0500	0.0445		mg/Kg		89	70 - 120
Bromobenzene	0.0500	0.0366		mg/Kg		73	70 - 122
Bromochloromethane	0.0500	0.0430		mg/Kg		86	65 - 122
Bromodichloromethane	0.0500	0.0383		mg/Kg		77	69 - 120
Bromoform	0.0500	0.0308		mg/Kg		62	56 - 132
Bromomethane	0.0500	0.0546		mg/Kg		109	40 - 152
Carbon tetrachloride	0.0500	0.0415		mg/Kg		83	59 - 133
Chlorobenzene	0.0500	0.0437		mg/Kg		87	70 - 120
Chloroethane	0.0500	0.0508		mg/Kg		102	48 - 136
Chloroform	0.0500	0.0419		mg/Kg		84	70 - 120
Chloromethane	0.0500	0.0417		mg/Kg		83	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0427		mg/Kg		85	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0363		mg/Kg		73	64 - 127
Dibromochloromethane	0.0500	0.0332	*-	mg/Kg		66	68 - 125
Dibromomethane	0.0500	0.0426		mg/Kg		85	70 - 120
Dichlorodifluoromethane	0.0500	0.0459		mg/Kg		92	40 - 159
Ethylbenzene	0.0500	0.0464		mg/Kg		93	70 - 123
Hexachlorobutadiene	0.0500	0.0441		mg/Kg		88	51 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-599078/4
Matrix: Solid
Analysis Batch: 599078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	0.0500	0.0404		mg/Kg		81	70 - 126
Methyl tert-butyl ether	0.0500	0.0432		mg/Kg		86	55 - 123
Methylene Chloride	0.0500	0.0396		mg/Kg		79	69 - 125
Naphthalene	0.0500	0.0334		mg/Kg		67	53 - 144
n-Butylbenzene	0.0500	0.0443		mg/Kg		89	68 - 125
N-Propylbenzene	0.0500	0.0417		mg/Kg		83	69 - 127
p-Isopropyltoluene	0.0500	0.0440		mg/Kg		88	70 - 125
sec-Butylbenzene	0.0500	0.0425		mg/Kg		85	70 - 123
Styrene	0.0500	0.0441		mg/Kg		88	70 - 120
tert-Butylbenzene	0.0500	0.0408		mg/Kg		82	70 - 121
Tetrachloroethene	0.0500	0.0485		mg/Kg		97	70 - 128
Toluene	0.0500	0.0441		mg/Kg		88	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0440		mg/Kg		88	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0349		mg/Kg		70	62 - 128
Trichloroethene	0.0500	0.0446		mg/Kg		89	70 - 125
Trichlorofluoromethane	0.0500	0.0420		mg/Kg		84	55 - 128
Vinyl chloride	0.0500	0.0484		mg/Kg		97	64 - 126
Xylenes, Total	0.100	0.0943		mg/Kg		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*
Dibromofluoromethane (Surr)	*90*		*75 - 120*
Toluene-d8 (Surr)	*96*		*75 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-598752/1-A
Matrix: Solid
Analysis Batch: 598863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		05/13/21 20:26	05/14/21 10:12	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		05/13/21 20:26	05/14/21 10:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-598752/1-A
Matrix: Solid
Analysis Batch: 598863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 598752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.0066		0.033	0.0066	mg/Kg		05/13/21 20:26	05/14/21 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*95*		*43 - 145*	*05/13/21 20:26*	*05/14/21 10:12*	*1*
Nitrobenzene-d5 (Surr)	*105*		*37 - 147*	*05/13/21 20:26*	*05/14/21 10:12*	*1*
Terphenyl-d14 (Surr)	*93*		*42 - 157*	*05/13/21 20:26*	*05/14/21 10:12*	*1*

Lab Sample ID: LCS 500-598752/2-A
Matrix: Solid
Analysis Batch: 598863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 598752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	1.33	1.23		mg/Kg		92	68 - 111
2-Methylnaphthalene	1.33	1.23		mg/Kg		92	69 - 112
Acenaphthene	1.33	1.29		mg/Kg		97	65 - 124
Acenaphthylene	1.33	1.24		mg/Kg		93	68 - 120
Anthracene	1.33	1.28		mg/Kg		96	70 - 114
Benzo[a]anthracene	1.33	1.32		mg/Kg		99	67 - 122
Benzo[a]pyrene	1.33	1.41		mg/Kg		106	65 - 133
Benzo[b]fluoranthene	1.33	1.25		mg/Kg		94	69 - 129
Benzo[g,h,i]perylene	1.33	1.29		mg/Kg		96	72 - 131
Benzo[k]fluoranthene	1.33	1.24		mg/Kg		93	68 - 127
Chrysene	1.33	1.33		mg/Kg		99	63 - 120
Dibenz(a,h)anthracene	1.33	1.29		mg/Kg		97	64 - 131
Fluoranthene	1.33	1.34		mg/Kg		101	62 - 120
Fluorene	1.33	1.26		mg/Kg		95	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.27		mg/Kg		95	68 - 130
Naphthalene	1.33	1.21		mg/Kg		91	63 - 110
Phenanthrene	1.33	1.26		mg/Kg		95	62 - 120
Pyrene	1.33	1.18		mg/Kg		88	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*88*		*43 - 145*
Nitrobenzene-d5 (Surr)	*106*		*37 - 147*
Terphenyl-d14 (Surr)	*95*		*42 - 157*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-599403/1-A
Matrix: Solid
Analysis Batch: 599554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 599403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		05/18/21 05:58	05/18/21 14:46	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		05/18/21 05:58	05/18/21 14:46	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		05/18/21 05:58	05/18/21 14:46	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		05/18/21 05:58	05/18/21 14:46	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		05/18/21 05:58	05/18/21 14:46	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 500-599403/1-A
Matrix: Solid
Analysis Batch: 599554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 599403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		05/18/21 05:58	05/18/21 14:46	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		05/18/21 05:58	05/18/21 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*49 - 129*	*05/18/21 05:58*	*05/18/21 14:46*	*1*
DCB Decachlorobiphenyl	*70*		*37 - 121*	*05/18/21 05:58*	*05/18/21 14:46*	*1*

Lab Sample ID: LCS 500-599403/2-A
Matrix: Solid
Analysis Batch: 599554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 599403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.150		mg/Kg		90	57 - 120
PCB-1260	0.167	0.158		mg/Kg		95	61 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*83*		*49 - 129*
DCB Decachlorobiphenyl	*83*		*37 - 121*

Lab Sample ID: MB 500-599633/1-A
Matrix: Solid
Analysis Batch: 599810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 599633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		05/19/21 06:21	05/19/21 18:03	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		05/19/21 06:21	05/19/21 18:03	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		05/19/21 06:21	05/19/21 18:03	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		05/19/21 06:21	05/19/21 18:03	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		05/19/21 06:21	05/19/21 18:03	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		05/19/21 06:21	05/19/21 18:03	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		05/19/21 06:21	05/19/21 18:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*49 - 129*	*05/19/21 06:21*	*05/19/21 18:03*	*1*
DCB Decachlorobiphenyl	*97*		*37 - 121*	*05/19/21 06:21*	*05/19/21 18:03*	*1*

Lab Sample ID: LCS 500-599633/2-A
Matrix: Solid
Analysis Batch: 599810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 599633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.152		mg/Kg		91	57 - 120
PCB-1260	0.167	0.181		mg/Kg		108	61 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*49 - 129*
DCB Decachlorobiphenyl	*91*		*37 - 121*

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-1 (4-6)
Lab Sample ID: 500-198786-1
Date Collected: 05/03/21 11:40
Matrix: Solid
Date Received: 05/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	598923	05/14/21 11:54	LWN	TAL CHI

Client Sample ID: WB-MW-1 (4-6)
Lab Sample ID: 500-198786-1
Date Collected: 05/03/21 11:40
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			597570	05/03/21 11:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	598232	05/12/21 18:29	PMF	TAL CHI
Total/NA	Prep	3541			598752	05/13/21 20:26	JP1	TAL CHI
Total/NA	Analysis	8270D		1	598863	05/14/21 13:03	AJD	TAL CHI
Total/NA	Prep	3541			599403	05/18/21 05:58	DAK	TAL CHI
Total/NA	Analysis	8082A		1	599554	05/18/21 15:17	SS	TAL CHI

Client Sample ID: WB-MW-1 (10-12)
Lab Sample ID: 500-198786-2
Date Collected: 05/03/21 11:50
Matrix: Solid
Date Received: 05/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	598923	05/14/21 11:54	LWN	TAL CHI

Client Sample ID: WB-MW-1 (10-12)
Lab Sample ID: 500-198786-2
Date Collected: 05/03/21 11:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			597570	05/03/21 11:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	599078	05/16/21 13:50	PMF	TAL CHI

Client Sample ID: WB-MW-2 (3-5)
Lab Sample ID: 500-198786-3
Date Collected: 05/03/21 12:40
Matrix: Solid
Date Received: 05/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	598923	05/14/21 11:54	LWN	TAL CHI

Client Sample ID: WB-MW-2 (3-5)
Lab Sample ID: 500-198786-3
Date Collected: 05/03/21 12:40
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			597570	05/03/21 12:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	598853	05/14/21 15:17	PMF	TAL CHI
Total/NA	Prep	3541			598752	05/13/21 20:26	JP1	TAL CHI
Total/NA	Analysis	8270D		1	598863	05/14/21 13:24	AJD	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40443

Job ID: 500-198786-1

Client Sample ID: WB-MW-2 (3-5)
Lab Sample ID: 500-198786-3
Date Collected: 05/03/21 12:40
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			599403	05/18/21 05:58	DAK	TAL CHI
Total/NA	Analysis	8082A		1	599554	05/18/21 15:32	SS	TAL CHI

Client Sample ID: WB-MW-2 (8.5-10.5)
Lab Sample ID: 500-198786-4
Date Collected: 05/03/21 12:50
Matrix: Solid
Date Received: 05/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	598923	05/14/21 11:54	LWN	TAL CHI

Client Sample ID: WB-MW-2 (8.5-10.5)
Lab Sample ID: 500-198786-4
Date Collected: 05/03/21 12:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			597571	05/03/21 12:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	598549	05/13/21 17:22	PMF	TAL CHI

Client Sample ID: WB-MW-3 (1-3)
Lab Sample ID: 500-198786-5
Date Collected: 05/03/21 15:00
Matrix: Solid
Date Received: 05/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	598923	05/14/21 11:54	LWN	TAL CHI

Client Sample ID: WB-MW-3 (1-3)
Lab Sample ID: 500-198786-5
Date Collected: 05/03/21 15:00
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			597571	05/03/21 15:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	598549	05/13/21 17:49	PMF	TAL CHI
Total/NA	Prep	3541			598752	05/13/21 20:26	JP1	TAL CHI
Total/NA	Analysis	8270D		1	598989	05/15/21 00:52	NRJ	TAL CHI
Total/NA	Prep	3541			599633	05/19/21 06:21	DAK	TAL CHI
Total/NA	Analysis	8082A		1	599810	05/19/21 18:34	SS	TAL CHI

Client Sample ID: WB-MW-3 (10-12)
Lab Sample ID: 500-198786-6
Date Collected: 05/03/21 15:10
Matrix: Solid
Date Received: 05/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	598923	05/14/21 11:54	LWN	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Client Sample ID: WB-MW-3 (10-12)
Lab Sample ID: 500-198786-6
Date Collected: 05/03/21 15:10
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			597571	05/03/21 15:10	WRE	TAL CHI
Total/NA	Analysis	8260B		50	598538	05/13/21 16:10	PMF	TAL CHI

Client Sample ID: WB-MW-4 (2-4)
Lab Sample ID: 500-198786-7
Date Collected: 05/03/21 13:50
Matrix: Solid
Date Received: 05/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	598923	05/14/21 11:54	LWN	TAL CHI

Client Sample ID: WB-MW-4 (2-4)
Lab Sample ID: 500-198786-7
Date Collected: 05/03/21 13:50
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			597571	05/03/21 13:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	598538	05/13/21 16:37	PMF	TAL CHI
Total/NA	Prep	3541			598752	05/13/21 20:26	JP1	TAL CHI
Total/NA	Analysis	8270D		1	598863	05/14/21 13:45	AJD	TAL CHI
Total/NA	Prep	3541			599403	05/18/21 05:58	DAK	TAL CHI
Total/NA	Analysis	8082A		1	599554	05/18/21 16:03	SS	TAL CHI

Client Sample ID: WB-MW-4 (10-12)
Lab Sample ID: 500-198786-8
Date Collected: 05/03/21 14:00
Matrix: Solid
Date Received: 05/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	598923	05/14/21 11:54	LWN	TAL CHI

Client Sample ID: WB-MW-4 (10-12)
Lab Sample ID: 500-198786-8
Date Collected: 05/03/21 14:00
Matrix: Solid
Date Received: 05/07/21 10:00
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			597571	05/03/21 14:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	598538	05/13/21 17:05	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-198786-1
Project/Site: Community Within the Corridor - 40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientist Consult.

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-198786

Sample Collector(s)	Title	Telephone # (incl area code)	Report To
Kyle R Vander Heiden	Staff Engineer	(262) 821-1171	Kyle R Vander Heiden and Dan Pelczar
500-198786 COC			
Property Owner	**Property Address**	**Telephone # (incl area code)**	**KSingh Project #**
Community Within the Corridor - West Block	3212 W Center Street 2727 N 32nd Street, 2758 N 33rd Street, Milwaukee	N/A	40443

I hereby certify that I received properly and disposed of the samples as noted below

Laboratory Name: TestAmerica

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank: 56 → 54
	5/6/21 @ 0910		If samples were received on ice and there was ice remaining you may report the temperature as "received on ice If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	5-6-21 1630	5/7/21 1000	

1 Specify groundwater (GW) soil (S) air (A) sludge (SL) surface water (SW), etc
2 Sample description must clearly correlate the sample I D to the sampling location

	Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	8260B VOC	8270D/8082A - PAH/PCB									Sample Condition # / Type of Container 40mL MeOH	Unpres 2oz	Unpres 8oz		Other Comment
1	5/3/2021	11 40	S	D P	WB-MW-1 (4-6)	x	x									1	1	1		
2	5/3/2021	11 50	S	D P	WB-MW 1 (10-12)	x										1	1			
3	5/3/2021	12 40	S	D P	WB-MW-2 (3-5)	x	x									1	1	1		
4	5/3/2021	12 50	S	D P	WB-MW-2 (8 5-10 5)	x										1	1			
5	5/3/2021	15 00	S	D P	WB-MW-3 (1-3)	x	x									1	1	1		
6	5/3/2021	15 10	S	D P	WB-MW-3 (10-12)	x										1	1			
7	5/3/2021	13 50	S	D P	WB-MW-4 (2-4)	x	x									1	1	1		
8	5/3/2021	14 00	S	D P	WB-MW-4 (10-12)	x										1	1			

NOTE(S)

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[ ] Dispose [ ] Return [x] Retain for 30 (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By:
Accepted [ ] Y [ ] N
Signature

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-198786-1

Login Number: 198786
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-202426-1
Client Project/Site: Community Within the Corridor - West Block 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Authorized for release by:
7/30/2021 12:30:32 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block 40443

Job ID: 500-202426-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-202426-1

Comments
No additional comments.

Receipt
The samples were received on 7/16/2021 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.3º C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for 611519 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane, Dibromochloromethane, and 1,1,2,2-Tetrachloroethane. These analytes were biased low in the LCS and were not detected in the associated samples; therefore, the data have been reported.WB-MW-5, 2-4' (500-202426-1), WB-MW-5, 17-19' (500-202426-2), WB-B-16, 2-4' (500-202426-3), WB-B-16, 8-10' (500-202426-4), WB-B-17, 2-4' (500-202426-5), WB-B-17, 8-10' (500-202426-6) and Trip Blank (500-202426-7)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5, 2-4'
Lab Sample ID: 500-202426-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.013	J	0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA

Client Sample ID: WB-MW-5, 17-19'
Lab Sample ID: 500-202426-2

No Detections.

Client Sample ID: WB-B-16, 2-4'
Lab Sample ID: 500-202426-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.013	J	0.036	0.0061	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.014	J	0.036	0.0068	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.011	J	0.036	0.0051	mg/Kg	1	☼	8270D	Total/NA

Client Sample ID: WB-B-16, 8-10'
Lab Sample ID: 500-202426-4

No Detections.

Client Sample ID: WB-B-17, 2-4'
Lab Sample ID: 500-202426-5

No Detections.

Client Sample ID: WB-B-17, 8-10'
Lab Sample ID: 500-202426-6

No Detections.

Client Sample ID: Trip Blank
Lab Sample ID: 500-202426-7

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-202426-1	WB-MW-5, 2-4'	Solid	07/15/21 09:15	07/16/21 09:55
500-202426-2	WB-MW-5, 17-19'	Solid	07/15/21 09:37	07/16/21 09:55
500-202426-3	WB-B-16, 2-4'	Solid	07/15/21 11:40	07/16/21 09:55
500-202426-4	WB-B-16, 8-10'	Solid	07/15/21 11:52	07/16/21 09:55
500-202426-5	WB-B-17, 2-4'	Solid	07/15/21 12:35	07/16/21 09:55
500-202426-6	WB-B-17, 8-10'	Solid	07/15/21 12:48	07/16/21 09:55
500-202426-7	Trip Blank	Solid	07/15/21 00:00	07/16/21 09:55

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5, 2-4'
Lab Sample ID: 500-202426-1
Date Collected: 07/15/21 09:15
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.062	0.029	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,1,1-Trichloroethane	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,1,2,2-Tetrachloroethane	<0.025	*-	0.062	0.025	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,1-Dichloroethane	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,1-Dichloropropene	<0.018		0.062	0.018	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2,3-Trichlorobenzene	<0.028		0.062	0.028	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2-Dibromo-3-Chloropropane	<0.12	*-	0.31	0.12	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,3,5-Trimethylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,3-Dichloropropane	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
1,4-Dichlorobenzene	<0.023		0.062	0.023	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
2,2-Dichloropropane	<0.028		0.062	0.028	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
2-Chlorotoluene	<0.019		0.062	0.019	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Benzene	<0.0091		0.016	0.0091	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Bromochloromethane	<0.027		0.062	0.027	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Bromoform	<0.030		0.062	0.030	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Bromomethane	<0.049		0.19	0.049	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Dibromochloromethane	<0.030	*-	0.062	0.030	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Ethylbenzene	<0.011		0.016	0.011	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Hexachlorobutadiene	<0.028		0.062	0.028	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Methyl tert-butyl ether	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Methylene Chloride	<0.10		0.31	0.10	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5, 2-4'
Lab Sample ID: 500-202426-1
Date Collected: 07/15/21 09:15
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Styrene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Toluene	<0.0091		0.016	0.0091	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
trans-1,3-Dichloropropene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Trichlorofluoromethane	<0.027		0.062	0.027	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	07/15/21 09:15	07/28/21 14:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*	*07/15/21 09:15*	*07/28/21 14:27*	*50*
4-Bromofluorobenzene (Surr)	*76*		*72 - 124*	*07/15/21 09:15*	*07/28/21 14:27*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 120*	*07/15/21 09:15*	*07/28/21 14:27*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*	*07/15/21 09:15*	*07/28/21 14:27*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0091		0.075	0.0091	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
2-Methylnaphthalene	<0.0069		0.075	0.0069	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Acenaphthene	<0.0067		0.037	0.0067	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Acenaphthylene	<0.0049		0.037	0.0049	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Anthracene	**0.013**	**J**	0.037	0.0062	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Benzo[a]anthracene	<0.0050		0.037	0.0050	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Benzo[a]pyrene	<0.0072		0.037	0.0072	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Benzo[b]fluoranthene	<0.0081		0.037	0.0081	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Benzo[g,h,i]perylene	<0.012		0.037	0.012	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Benzo[k]fluoranthene	<0.011		0.037	0.011	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Chrysene	<0.010		0.037	0.010	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Dibenz(a,h)anthracene	<0.0072		0.037	0.0072	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Fluoranthene	<0.0069		0.037	0.0069	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Fluorene	<0.0052		0.037	0.0052	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Indeno[1,2,3-cd]pyrene	<0.0097		0.037	0.0097	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Naphthalene	<0.0057		0.037	0.0057	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Phenanthrene	<0.0052		0.037	0.0052	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1
Pyrene	<0.0074		0.037	0.0074	mg/Kg	☼	07/23/21 06:45	07/23/21 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*93*		*43 - 145*	*07/23/21 06:45*	*07/23/21 16:26*	*1*
Nitrobenzene-d5 (Surr)	*87*		*37 - 147*	*07/23/21 06:45*	*07/23/21 16:26*	*1*
Terphenyl-d14 (Surr)	*144*		*42 - 157*	*07/23/21 06:45*	*07/23/21 16:26*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0071		0.018	0.0071	mg/Kg	☼	07/26/21 19:54	07/27/21 11:16	1
PCB-1221	<0.0071		0.018	0.0071	mg/Kg	☼	07/26/21 19:54	07/27/21 11:16	1

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5, 2-4'
Lab Sample ID: 500-202426-1
Date Collected: 07/15/21 09:15
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 88.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.0049		0.018	0.0049	mg/Kg	☼	07/26/21 19:54	07/27/21 11:16	1
PCB-1242	<0.0070		0.018	0.0070	mg/Kg	☼	07/26/21 19:54	07/27/21 11:16	1
PCB-1248	<0.0085		0.018	0.0085	mg/Kg	☼	07/26/21 19:54	07/27/21 11:16	1
PCB-1254	<0.0061		0.018	0.0061	mg/Kg	☼	07/26/21 19:54	07/27/21 11:16	1
PCB-1260	<0.0068		0.018	0.0068	mg/Kg	☼	07/26/21 19:54	07/27/21 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*49 - 129*	*07/26/21 19:54*	*07/27/21 11:16*	*1*
DCB Decachlorobiphenyl	*78*		*37 - 121*	*07/26/21 19:54*	*07/27/21 11:16*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5, 17-19'
Lab Sample ID: 500-202426-2
Date Collected: 07/15/21 09:37
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 90.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.060	0.028	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,1,1-Trichloroethane	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,1,2,2-Tetrachloroethane	<0.024	*-	0.060	0.024	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,1,2-Trichloroethane	<0.021		0.060	0.021	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,1-Dichloroethane	<0.024		0.060	0.024	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,1-Dichloroethene	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,1-Dichloropropene	<0.018		0.060	0.018	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2,3-Trichlorobenzene	<0.027		0.060	0.027	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2,4-Trichlorobenzene	<0.020		0.060	0.020	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2,4-Trimethylbenzene	<0.021		0.060	0.021	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2-Dibromo-3-Chloropropane	<0.12	*-	0.30	0.12	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2-Dibromoethane	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2-Dichlorobenzene	<0.020		0.060	0.020	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2-Dichloroethane	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,2-Dichloropropane	<0.025		0.060	0.025	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,3,5-Trimethylbenzene	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,3-Dichlorobenzene	<0.024		0.060	0.024	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,3-Dichloropropane	<0.022		0.060	0.022	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
1,4-Dichlorobenzene	<0.022		0.060	0.022	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
2,2-Dichloropropane	<0.026		0.060	0.026	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
2-Chlorotoluene	<0.019		0.060	0.019	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
4-Chlorotoluene	<0.021		0.060	0.021	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Benzene	<0.0087		0.015	0.0087	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Bromobenzene	<0.021		0.060	0.021	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Bromochloromethane	<0.025		0.060	0.025	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Bromodichloromethane	<0.022		0.060	0.022	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Bromoform	<0.029		0.060	0.029	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Bromomethane	<0.047		0.18	0.047	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Carbon tetrachloride	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Chlorobenzene	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Chloroethane	<0.030		0.060	0.030	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Chloroform	<0.022		0.12	0.022	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Chloromethane	<0.019		0.060	0.019	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
cis-1,2-Dichloroethene	<0.024		0.060	0.024	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
cis-1,3-Dichloropropene	<0.025		0.060	0.025	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Dibromochloromethane	<0.029	*-	0.060	0.029	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Dibromomethane	<0.016		0.060	0.016	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Dichlorodifluoromethane	<0.040		0.18	0.040	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Hexachlorobutadiene	<0.027		0.060	0.027	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Isopropyl ether	<0.016		0.060	0.016	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Isopropylbenzene	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Methyl tert-butyl ether	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Methylene Chloride	<0.097		0.30	0.097	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Naphthalene	<0.020		0.060	0.020	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
n-Butylbenzene	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
N-Propylbenzene	<0.025		0.060	0.025	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5, 17-19'
Lab Sample ID: 500-202426-2
Date Collected: 07/15/21 09:37
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 90.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.022		0.060	0.022	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
sec-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Styrene	<0.023		0.060	0.023	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
tert-Butylbenzene	<0.024		0.060	0.024	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Tetrachloroethene	<0.022		0.060	0.022	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Toluene	<0.0088		0.015	0.0088	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
trans-1,2-Dichloroethene	<0.021		0.060	0.021	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
trans-1,3-Dichloropropene	<0.022		0.060	0.022	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Trichloroethene	<0.0098		0.030	0.0098	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Trichlorofluoromethane	<0.025		0.060	0.025	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Vinyl chloride	<0.016		0.060	0.016	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50
Xylenes, Total	<0.013		0.030	0.013	mg/Kg	☼	07/15/21 09:37	07/28/21 14:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*	*07/15/21 09:37*	*07/28/21 14:54*	*50*
4-Bromofluorobenzene (Surr)	*79*		*72 - 124*	*07/15/21 09:37*	*07/28/21 14:54*	*50*
Dibromofluoromethane (Surr)	*90*		*75 - 120*	*07/15/21 09:37*	*07/28/21 14:54*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*07/15/21 09:37*	*07/28/21 14:54*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-B-16, 2-4'
Lab Sample ID: 500-202426-3
Date Collected: 07/15/21 11:40
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 87.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.064	0.029	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,1,1-Trichloroethane	<0.024		0.064	0.024	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,1,2,2-Tetrachloroethane	<0.025	*-	0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,1,2-Trichloroethane	<0.022		0.064	0.022	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,1-Dichloroethane	<0.026		0.064	0.026	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,1-Dichloroethene	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,1-Dichloropropene	<0.019		0.064	0.019	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2,3-Trichlorobenzene	<0.029		0.064	0.029	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2,4-Trichlorobenzene	<0.022		0.064	0.022	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2,4-Trimethylbenzene	<0.023		0.064	0.023	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2-Dibromo-3-Chloropropane	<0.13	*-	0.32	0.13	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2-Dibromoethane	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2-Dichlorobenzene	<0.021		0.064	0.021	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2-Dichloroethane	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,2-Dichloropropane	<0.027		0.064	0.027	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,3,5-Trimethylbenzene	<0.024		0.064	0.024	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,3-Dichlorobenzene	<0.026		0.064	0.026	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,3-Dichloropropane	<0.023		0.064	0.023	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
1,4-Dichlorobenzene	<0.023		0.064	0.023	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
2,2-Dichloropropane	<0.028		0.064	0.028	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
2-Chlorotoluene	<0.020		0.064	0.020	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
4-Chlorotoluene	<0.022		0.064	0.022	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Bromobenzene	<0.023		0.064	0.023	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Bromochloromethane	<0.027		0.064	0.027	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Bromodichloromethane	<0.024		0.064	0.024	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Bromoform	<0.031		0.064	0.031	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Bromomethane	<0.051		0.19	0.051	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Carbon tetrachloride	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Chlorobenzene	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Chloroethane	<0.032		0.064	0.032	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Chloromethane	<0.020		0.064	0.020	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
cis-1,2-Dichloroethene	<0.026		0.064	0.026	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
cis-1,3-Dichloropropene	<0.027		0.064	0.027	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Dibromochloromethane	<0.031	*-	0.064	0.031	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Dibromomethane	<0.017		0.064	0.017	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Dichlorodifluoromethane	<0.043		0.19	0.043	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Hexachlorobutadiene	<0.028		0.064	0.028	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Isopropyl ether	<0.018		0.064	0.018	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Isopropylbenzene	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Methyl tert-butyl ether	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Naphthalene	<0.021		0.064	0.021	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
n-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
N-Propylbenzene	<0.026		0.064	0.026	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50

Client Sample ID: WB-B-16, 2-4'
Date Collected: 07/15/21 11:40
Date Received: 07/16/21 09:55

Lab Sample ID: 500-202426-3
Matrix: Solid
Percent Solids: 87.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.023		0.064	0.023	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
sec-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Styrene	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
tert-Butylbenzene	<0.025		0.064	0.025	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Tetrachloroethene	<0.024		0.064	0.024	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Toluene	<0.0094		0.016	0.0094	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
trans-1,2-Dichloroethene	<0.022		0.064	0.022	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
trans-1,3-Dichloropropene	<0.023		0.064	0.023	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Trichlorofluoromethane	<0.027		0.064	0.027	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Vinyl chloride	<0.017		0.064	0.017	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	07/15/21 11:40	07/28/21 15:22	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*	*07/15/21 11:40*	*07/28/21 15:22*	*50*
4-Bromofluorobenzene (Surr)	*78*		*72 - 124*	*07/15/21 11:40*	*07/28/21 15:22*	*50*
Dibromofluoromethane (Surr)	*89*		*75 - 120*	*07/15/21 11:40*	*07/28/21 15:22*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*07/15/21 11:40*	*07/28/21 15:22*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0089		0.074	0.0089	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
2-Methylnaphthalene	<0.0067		0.074	0.0067	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Acenaphthene	<0.0066		0.036	0.0066	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Acenaphthylene	<0.0048		0.036	0.0048	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Anthracene	**0.013**	**J**	0.036	0.0061	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Benzo[a]anthracene	<0.0049		0.036	0.0049	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Benzo[a]pyrene	<0.0071		0.036	0.0071	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Benzo[b]fluoranthene	<0.0079		0.036	0.0079	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Benzo[g,h,i]perylene	<0.012		0.036	0.012	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Benzo[k]fluoranthene	<0.011		0.036	0.011	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Chrysene	<0.010		0.036	0.010	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Dibenz(a,h)anthracene	<0.0071		0.036	0.0071	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Fluoranthene	**0.014**	**J**	0.036	0.0068	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Fluorene	<0.0051		0.036	0.0051	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Indeno[1,2,3-cd]pyrene	<0.0095		0.036	0.0095	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Naphthalene	<0.0056		0.036	0.0056	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Phenanthrene	**0.011**	**J**	0.036	0.0051	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1
Pyrene	<0.0073		0.036	0.0073	mg/Kg	☼	07/23/21 06:45	07/23/21 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*87*		*43 - 145*	*07/23/21 06:45*	*07/23/21 16:50*	*1*
Nitrobenzene-d5 (Surr)	*81*		*37 - 147*	*07/23/21 06:45*	*07/23/21 16:50*	*1*
Terphenyl-d14 (Surr)	*129*		*42 - 157*	*07/23/21 06:45*	*07/23/21 16:50*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0073		0.019	0.0073	mg/Kg	☼	07/26/21 19:54	07/27/21 11:32	1
PCB-1221	<0.0073		0.019	0.0073	mg/Kg	☼	07/26/21 19:54	07/27/21 11:32	1

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
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Client Sample ID: WB-B-16, 2-4'
Lab Sample ID: 500-202426-3
Date Collected: 07/15/21 11:40
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 87.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.0051		0.019	0.0051	mg/Kg	☼	07/26/21 19:54	07/27/21 11:32	1
PCB-1242	<0.0073		0.019	0.0073	mg/Kg	☼	07/26/21 19:54	07/27/21 11:32	1
PCB-1248	<0.0089		0.019	0.0089	mg/Kg	☼	07/26/21 19:54	07/27/21 11:32	1
PCB-1254	<0.0063		0.019	0.0063	mg/Kg	☼	07/26/21 19:54	07/27/21 11:32	1
PCB-1260	<0.0070		0.019	0.0070	mg/Kg	☼	07/26/21 19:54	07/27/21 11:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*49 - 129*	*07/26/21 19:54*	*07/27/21 11:32*	*1*
DCB Decachlorobiphenyl	*70*		*37 - 121*	*07/26/21 19:54*	*07/27/21 11:32*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
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Client Sample ID: WB-B-16, 8-10'
Lab Sample ID: 500-202426-4
Date Collected: 07/15/21 11:52
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.063	0.029	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,1,1-Trichloroethane	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,1,2,2-Tetrachloroethane	<0.025	*-	0.063	0.025	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,1,2-Trichloroethane	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,1-Dichloroethane	<0.026		0.063	0.026	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,1-Dichloroethene	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,1-Dichloropropene	<0.019		0.063	0.019	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2,3-Trichlorobenzene	<0.029		0.063	0.029	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2,4-Trichlorobenzene	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2,4-Trimethylbenzene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2-Dibromo-3-Chloropropane	<0.13	*-	0.31	0.13	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2-Dibromoethane	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2-Dichlorobenzene	<0.021		0.063	0.021	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2-Dichloroethane	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,2-Dichloropropane	<0.027		0.063	0.027	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,3,5-Trimethylbenzene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,3-Dichlorobenzene	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,3-Dichloropropane	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
1,4-Dichlorobenzene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
2,2-Dichloropropane	<0.028		0.063	0.028	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
2-Chlorotoluene	<0.020		0.063	0.020	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
4-Chlorotoluene	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Benzene	<0.0092		0.016	0.0092	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Bromobenzene	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Bromochloromethane	<0.027		0.063	0.027	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Bromodichloromethane	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Bromoform	<0.030		0.063	0.030	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Carbon tetrachloride	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Chlorobenzene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Chloroethane	<0.032		0.063	0.032	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Chloroform	<0.023		0.13	0.023	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Chloromethane	<0.020		0.063	0.020	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
cis-1,2-Dichloroethene	<0.026		0.063	0.026	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
cis-1,3-Dichloropropene	<0.026		0.063	0.026	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Dibromochloromethane	<0.031	*-	0.063	0.031	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Dibromomethane	<0.017		0.063	0.017	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Hexachlorobutadiene	<0.028		0.063	0.028	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Isopropyl ether	<0.017		0.063	0.017	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Isopropylbenzene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Methyl tert-butyl ether	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Methylene Chloride	<0.10		0.31	0.10	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Naphthalene	<0.021		0.063	0.021	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
n-Butylbenzene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
N-Propylbenzene	<0.026		0.063	0.026	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50

Client: K. Singh & Associates, Inc
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Client Sample ID: WB-B-16, 8-10'
Lab Sample ID: 500-202426-4
Date Collected: 07/15/21 11:52
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 87.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
sec-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Styrene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
tert-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Tetrachloroethene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Toluene	<0.0093		0.016	0.0093	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
trans-1,2-Dichloroethene	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
trans-1,3-Dichloropropene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Trichlorofluoromethane	<0.027		0.063	0.027	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Vinyl chloride	<0.017		0.063	0.017	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	07/15/21 11:52	07/28/21 15:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*	*07/15/21 11:52*	*07/28/21 15:49*	*50*
4-Bromofluorobenzene (Surr)	*79*		*72 - 124*	*07/15/21 11:52*	*07/28/21 15:49*	*50*
Dibromofluoromethane (Surr)	*90*		*75 - 120*	*07/15/21 11:52*	*07/28/21 15:49*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*07/15/21 11:52*	*07/28/21 15:49*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
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Client Sample ID: WB-B-17, 2-4'
Lab Sample ID: 500-202426-5
Date Collected: 07/15/21 12:35
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 89.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.062	0.028	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,1,1-Trichloroethane	<0.023		0.062	0.023	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,1,2,2-Tetrachloroethane	<0.024	*-	0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,1-Dichloroethane	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,1-Dichloropropene	<0.018		0.062	0.018	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2,3-Trichlorobenzene	<0.028		0.062	0.028	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2,3-Trichloropropane	<0.025		0.12	0.025	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2-Dibromo-3-Chloropropane	<0.12	*-	0.31	0.12	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,2-Dichloropropane	<0.026		0.062	0.026	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,3,5-Trimethylbenzene	<0.023		0.062	0.023	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,3-Dichloropropane	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
1,4-Dichlorobenzene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
2,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
2-Chlorotoluene	<0.019		0.062	0.019	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Benzene	<0.0090		0.015	0.0090	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Bromochloromethane	<0.026		0.062	0.026	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Bromoform	<0.030		0.062	0.030	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Bromomethane	<0.049		0.18	0.049	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Chloroethane	<0.031		0.062	0.031	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Dibromochloromethane	<0.030	*-	0.062	0.030	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Dichlorodifluoromethane	<0.041		0.18	0.041	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Hexachlorobutadiene	<0.027		0.062	0.027	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Methyl tert-butyl ether	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Methylene Chloride	<0.10		0.31	0.10	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
N-Propylbenzene	<0.025		0.062	0.025	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
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Client Sample ID: WB-B-17, 2-4'
Date Collected: 07/15/21 12:35
Date Received: 07/16/21 09:55

Lab Sample ID: 500-202426-5
Matrix: Solid
Percent Solids: 89.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
sec-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Styrene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
tert-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Toluene	<0.0090		0.015	0.0090	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
trans-1,3-Dichloropropene	<0.022		0.062	0.022	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Trichlorofluoromethane	<0.026		0.062	0.026	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	07/15/21 12:35	07/28/21 16:17	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*	*07/15/21 12:35*	*07/28/21 16:17*	*50*
4-Bromofluorobenzene (Surr)	*79*		*72 - 124*	*07/15/21 12:35*	*07/28/21 16:17*	*50*
Dibromofluoromethane (Surr)	*90*		*75 - 120*	*07/15/21 12:35*	*07/28/21 16:17*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*07/15/21 12:35*	*07/28/21 16:17*	*50*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0086		0.071	0.0086	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
2-Methylnaphthalene	<0.0065		0.071	0.0065	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Acenaphthene	<0.0064		0.035	0.0064	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Acenaphthylene	<0.0047		0.035	0.0047	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Anthracene	<0.0059		0.035	0.0059	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Benzo[a]anthracene	<0.0048		0.035	0.0048	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Benzo[a]pyrene	<0.0069		0.035	0.0069	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Benzo[b]fluoranthene	<0.0076		0.035	0.0076	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Benzo[g,h,i]perylene	<0.011		0.035	0.011	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Benzo[k]fluoranthene	<0.010		0.035	0.010	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Chrysene	<0.0097		0.035	0.0097	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Dibenz(a,h)anthracene	<0.0068		0.035	0.0068	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Fluoranthene	<0.0066		0.035	0.0066	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Fluorene	<0.0050		0.035	0.0050	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Indeno[1,2,3-cd]pyrene	<0.0092		0.035	0.0092	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Naphthalene	<0.0054		0.035	0.0054	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Phenanthrene	<0.0049		0.035	0.0049	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1
Pyrene	<0.0070		0.035	0.0070	mg/Kg	☼	07/23/21 06:45	07/23/21 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*43 - 145*	*07/23/21 06:45*	*07/23/21 17:15*	*1*
Nitrobenzene-d5 (Surr)	*79*		*37 - 147*	*07/23/21 06:45*	*07/23/21 17:15*	*1*
Terphenyl-d14 (Surr)	*137*		*42 - 157*	*07/23/21 06:45*	*07/23/21 17:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0072		0.018	0.0072	mg/Kg	☼	07/26/21 19:54	07/27/21 11:48	1
PCB-1221	<0.0072		0.018	0.0072	mg/Kg	☼	07/26/21 19:54	07/27/21 11:48	1

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-B-17, 2-4'
Lab Sample ID: 500-202426-5
Date Collected: 07/15/21 12:35
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 89.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.0049		0.018	0.0049	mg/Kg	☼	07/26/21 19:54	07/27/21 11:48	1
PCB-1242	<0.0071		0.018	0.0071	mg/Kg	☼	07/26/21 19:54	07/27/21 11:48	1
PCB-1248	<0.0087		0.018	0.0087	mg/Kg	☼	07/26/21 19:54	07/27/21 11:48	1
PCB-1254	<0.0062		0.018	0.0062	mg/Kg	☼	07/26/21 19:54	07/27/21 11:48	1
PCB-1260	<0.0069		0.018	0.0069	mg/Kg	☼	07/26/21 19:54	07/27/21 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*49 - 129*	*07/26/21 19:54*	*07/27/21 11:48*	*1*
DCB Decachlorobiphenyl	*72*		*37 - 121*	*07/26/21 19:54*	*07/27/21 11:48*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-B-17, 8-10'
Lab Sample ID: 500-202426-6
Date Collected: 07/15/21 12:48
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 88.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.063	0.029	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,1,1-Trichloroethane	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,1,2,2-Tetrachloroethane	<0.025	*-	0.063	0.025	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,1,2-Trichloroethane	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,1-Dichloroethane	<0.026		0.063	0.026	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,1-Dichloroethene	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,1-Dichloropropene	<0.019		0.063	0.019	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2,3-Trichlorobenzene	<0.029		0.063	0.029	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2,4-Trichlorobenzene	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2,4-Trimethylbenzene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2-Dibromo-3-Chloropropane	<0.13	*-	0.32	0.13	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2-Dibromoethane	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2-Dichlorobenzene	<0.021		0.063	0.021	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2-Dichloroethane	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,2-Dichloropropane	<0.027		0.063	0.027	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,3,5-Trimethylbenzene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,3-Dichlorobenzene	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,3-Dichloropropane	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
1,4-Dichlorobenzene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
2,2-Dichloropropane	<0.028		0.063	0.028	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
2-Chlorotoluene	<0.020		0.063	0.020	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
4-Chlorotoluene	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Benzene	<0.0092		0.016	0.0092	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Bromobenzene	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Bromochloromethane	<0.027		0.063	0.027	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Bromodichloromethane	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Bromoform	<0.030		0.063	0.030	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Carbon tetrachloride	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Chlorobenzene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Chloroethane	<0.032		0.063	0.032	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Chloroform	<0.023		0.13	0.023	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Chloromethane	<0.020		0.063	0.020	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
cis-1,2-Dichloroethene	<0.026		0.063	0.026	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
cis-1,3-Dichloropropene	<0.026		0.063	0.026	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Dibromochloromethane	<0.031	*-	0.063	0.031	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Dibromomethane	<0.017		0.063	0.017	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Dichlorodifluoromethane	<0.042		0.19	0.042	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Hexachlorobutadiene	<0.028		0.063	0.028	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Isopropyl ether	<0.017		0.063	0.017	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Isopropylbenzene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Methyl tert-butyl ether	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Naphthalene	<0.021		0.063	0.021	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
n-Butylbenzene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
N-Propylbenzene	<0.026		0.063	0.026	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-B-17, 8-10'
Lab Sample ID: 500-202426-6
Date Collected: 07/15/21 12:48
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 88.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
sec-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Styrene	<0.024		0.063	0.024	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
tert-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Tetrachloroethene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Toluene	<0.0093		0.016	0.0093	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
trans-1,2-Dichloroethene	<0.022		0.063	0.022	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
trans-1,3-Dichloropropene	<0.023		0.063	0.023	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Trichlorofluoromethane	<0.027		0.063	0.027	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Vinyl chloride	<0.017		0.063	0.017	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	07/15/21 12:48	07/28/21 16:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 126*	*07/15/21 12:48*	*07/28/21 16:44*	*50*
4-Bromofluorobenzene (Surr)	*78*		*72 - 124*	*07/15/21 12:48*	*07/28/21 16:44*	*50*
Dibromofluoromethane (Surr)	*90*		*75 - 120*	*07/15/21 12:48*	*07/28/21 16:44*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*07/15/21 12:48*	*07/28/21 16:44*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Trip Blank
Lab Sample ID: 500-202426-7

Date Collected: 07/15/21 00:00
Matrix: Solid
Date Received: 07/16/21 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,1,2,2-Tetrachloroethane	<0.020	*-	0.050	0.020	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2-Dibromo-3-Chloropropane	<0.10	*-	0.25	0.10	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Bromoform	<0.024		0.050	0.024	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Chloroform	<0.019		0.10	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Dibromochloromethane	<0.024	*-	0.050	0.024	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		07/15/21 00:00	07/28/21 17:11	50

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Trip Blank
Lab Sample ID: 500-202426-7

Date Collected: 07/15/21 00:00
Matrix: Solid
Date Received: 07/16/21 09:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Styrene	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		07/15/21 00:00	07/28/21 17:11	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		07/15/21 00:00	07/28/21 17:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*	*07/15/21 00:00*	*07/28/21 17:11*	*50*
4-Bromofluorobenzene (Surr)	*78*		*72 - 124*	*07/15/21 00:00*	*07/28/21 17:11*	*50*
Dibromofluoromethane (Surr)	*91*		*75 - 120*	*07/15/21 00:00*	*07/28/21 17:11*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*07/15/21 00:00*	*07/28/21 17:11*	*50*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

GC/MS VOA

Prep Batch: 609877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202426-1	WB-MW-5, 2-4'	Total/NA	Solid	5035	
500-202426-2	WB-MW-5, 17-19'	Total/NA	Solid	5035	
500-202426-3	WB-B-16, 2-4'	Total/NA	Solid	5035	
500-202426-4	WB-B-16, 8-10'	Total/NA	Solid	5035	
500-202426-5	WB-B-17, 2-4'	Total/NA	Solid	5035	
500-202426-6	WB-B-17, 8-10'	Total/NA	Solid	5035	
500-202426-7	Trip Blank	Total/NA	Solid	5035	
LB3 500-609877/15-A	Method Blank	Total/NA	Solid	5035	
LCS 500-609877/16-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 611519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202426-1	WB-MW-5, 2-4'	Total/NA	Solid	8260B	609877
500-202426-2	WB-MW-5, 17-19'	Total/NA	Solid	8260B	609877
500-202426-3	WB-B-16, 2-4'	Total/NA	Solid	8260B	609877
500-202426-4	WB-B-16, 8-10'	Total/NA	Solid	8260B	609877
500-202426-5	WB-B-17, 2-4'	Total/NA	Solid	8260B	609877
500-202426-6	WB-B-17, 8-10'	Total/NA	Solid	8260B	609877
500-202426-7	Trip Blank	Total/NA	Solid	8260B	609877
LB3 500-609877/15-A	Method Blank	Total/NA	Solid	8260B	609877
MB 500-611519/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-609877/16-A	Lab Control Sample	Total/NA	Solid	8260B	609877
LCS 500-611519/4	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 610741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202426-1	WB-MW-5, 2-4'	Total/NA	Solid	3541	
500-202426-3	WB-B-16, 2-4'	Total/NA	Solid	3541	
500-202426-5	WB-B-17, 2-4'	Total/NA	Solid	3541	
MB 500-610741/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-610741/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 610873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202426-1	WB-MW-5, 2-4'	Total/NA	Solid	8270D	610741
500-202426-3	WB-B-16, 2-4'	Total/NA	Solid	8270D	610741
500-202426-5	WB-B-17, 2-4'	Total/NA	Solid	8270D	610741
MB 500-610741/1-A	Method Blank	Total/NA	Solid	8270D	610741
LCS 500-610741/2-A	Lab Control Sample	Total/NA	Solid	8270D	610741

GC Semi VOA

Prep Batch: 611170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202426-1	WB-MW-5, 2-4'	Total/NA	Solid	3541	
500-202426-3	WB-B-16, 2-4'	Total/NA	Solid	3541	
500-202426-5	WB-B-17, 2-4'	Total/NA	Solid	3541	
MB 500-611170/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-611170/2-A	Lab Control Sample	Total/NA	Solid	3541	

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

GC Semi VOA

Analysis Batch: 611288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202426-1	WB-MW-5, 2-4'	Total/NA	Solid	8082A	611170
500-202426-3	WB-B-16, 2-4'	Total/NA	Solid	8082A	611170
500-202426-5	WB-B-17, 2-4'	Total/NA	Solid	8082A	611170
MB 500-611170/1-A	Method Blank	Total/NA	Solid	8082A	611170
LCS 500-611170/2-A	Lab Control Sample	Total/NA	Solid	8082A	611170

General Chemistry

Analysis Batch: 610854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202426-1	WB-MW-5, 2-4'	Total/NA	Solid	Moisture	
500-202426-2	WB-MW-5, 17-19'	Total/NA	Solid	Moisture	
500-202426-3	WB-B-16, 2-4'	Total/NA	Solid	Moisture	
500-202426-4	WB-B-16, 8-10'	Total/NA	Solid	Moisture	
500-202426-5	WB-B-17, 2-4'	Total/NA	Solid	Moisture	
500-202426-6	WB-B-17, 8-10'	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-202426-1	WB-MW-5, 2-4'	97	76	93	93
500-202426-2	WB-MW-5, 17-19'	95	79	90	92
500-202426-3	WB-B-16, 2-4'	96	78	89	92
500-202426-4	WB-B-16, 8-10'	96	79	90	92
500-202426-5	WB-B-17, 2-4'	97	79	90	92
500-202426-6	WB-B-17, 8-10'	97	78	90	92
500-202426-7	Trip Blank	98	78	91	91
LB3 500-609877/15-A	Method Blank	93	77	88	92
LCS 500-609877/16-A	Lab Control Sample	98	75	99	91
LCS 500-611519/4	Lab Control Sample	93	76	99	93
MB 500-611519/6	Method Blank	98	80	97	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(43-145)	(37-147)	(42-157)
500-202426-1	WB-MW-5, 2-4'	93	87	144
500-202426-3	WB-B-16, 2-4'	87	81	129
500-202426-5	WB-B-17, 2-4'	86	79	137
LCS 500-610741/2-A	Lab Control Sample	102	103	130
MB 500-610741/1-A	Method Blank	106	100	157

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-202426-1	WB-MW-5, 2-4'	86	78
500-202426-3	WB-B-16, 2-4'	85	70
500-202426-5	WB-B-17, 2-4'	87	72
LCS 500-611170/2-A	Lab Control Sample	79	73
MB 500-611170/1-A	Method Blank	78	71

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-609877/15-A
Matrix: Solid
Analysis Batch: 611519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 609877

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Bromoform	<0.024		0.050	0.024	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Chloroform	<0.019		0.10	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-609877/15-A
Matrix: Solid
Analysis Batch: 611519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 609877

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Styrene	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		07/18/21 19:50	07/28/21 14:00	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		07/18/21 19:50	07/28/21 14:00	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*	*07/18/21 19:50*	*07/28/21 14:00*	*50*
4-Bromofluorobenzene (Surr)	*77*		*72 - 124*	*07/18/21 19:50*	*07/28/21 14:00*	*50*
Dibromofluoromethane (Surr)	*88*		*75 - 120*	*07/18/21 19:50*	*07/28/21 14:00*	*50*
Toluene-d8 (Surr)	*92*		*75 - 120*	*07/18/21 19:50*	*07/28/21 14:00*	*50*

Lab Sample ID: LCS 500-609877/16-A
Matrix: Solid
Analysis Batch: 611519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 609877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.43		mg/Kg		97	70 - 125
1,1,1-Trichloroethane	2.50	2.68		mg/Kg		107	70 - 125
1,1,2,2-Tetrachloroethane	2.50	1.64		mg/Kg		66	62 - 140
1,1,2-Trichloroethane	2.50	2.04		mg/Kg		82	71 - 130
1,1-Dichloroethane	2.50	2.54		mg/Kg		102	70 - 125
1,1-Dichloroethene	2.50	2.65		mg/Kg		106	67 - 122
1,1-Dichloropropene	2.50	2.48		mg/Kg		99	70 - 121
1,2,3-Trichlorobenzene	2.50	2.72		mg/Kg		109	51 - 145
1,2,3-Trichloropropane	2.50	1.76		mg/Kg		71	50 - 133
1,2,4-Trichlorobenzene	2.50	2.63		mg/Kg		105	57 - 137
1,2,4-Trimethylbenzene	2.50	2.40		mg/Kg		96	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.40		mg/Kg		56	56 - 123
1,2-Dibromoethane	2.50	2.01		mg/Kg		80	70 - 125
1,2-Dichlorobenzene	2.50	2.37		mg/Kg		95	70 - 125
1,2-Dichloroethane	2.50	2.52		mg/Kg		101	68 - 127
1,2-Dichloropropane	2.50	2.36		mg/Kg		94	67 - 130
1,3,5-Trimethylbenzene	2.50	2.41		mg/Kg		96	70 - 123
1,3-Dichlorobenzene	2.50	2.36		mg/Kg		94	70 - 125
1,3-Dichloropropane	2.50	2.02		mg/Kg		81	62 - 136
1,4-Dichlorobenzene	2.50	2.34		mg/Kg		93	70 - 120
2,2-Dichloropropane	2.50	2.13		mg/Kg		85	58 - 139
2-Chlorotoluene	2.50	2.19		mg/Kg		88	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609877/16-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 611519
Prep Batch: 609877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	2.50	2.14		mg/Kg		86	68 - 124
Benzene	2.50	2.52		mg/Kg		101	70 - 120
Bromobenzene	2.50	2.02		mg/Kg		81	70 - 122
Bromochloromethane	2.50	2.76		mg/Kg		110	65 - 122
Bromodichloromethane	2.50	2.00		mg/Kg		80	69 - 120
Bromoform	2.50	1.54		mg/Kg		62	56 - 132
Bromomethane	2.50	3.10		mg/Kg		124	40 - 152
Carbon tetrachloride	2.50	2.53		mg/Kg		101	59 - 133
Chlorobenzene	2.50	2.41		mg/Kg		96	70 - 120
Chloroethane	2.50	3.08		mg/Kg		123	48 - 136
Chloroform	2.50	2.55		mg/Kg		102	70 - 120
Chloromethane	2.50	2.37		mg/Kg		95	56 - 152
cis-1,2-Dichloroethene	2.50	2.67		mg/Kg		107	70 - 125
cis-1,3-Dichloropropene	2.50	1.77		mg/Kg		71	64 - 127
Dibromochloromethane	2.50	1.72		mg/Kg		69	68 - 125
Dibromomethane	2.50	2.38		mg/Kg		95	70 - 120
Dichlorodifluoromethane	2.50	2.12		mg/Kg		85	40 - 159
Ethylbenzene	2.50	2.57		mg/Kg		103	70 - 123
Hexachlorobutadiene	2.50	3.25		mg/Kg		130	51 - 150
Isopropylbenzene	2.50	2.30		mg/Kg		92	70 - 126
Methyl tert-butyl ether	2.50	2.91		mg/Kg		116	55 - 123
Methylene Chloride	2.50	2.60		mg/Kg		104	69 - 125
Naphthalene	2.50	2.39		mg/Kg		96	53 - 144
n-Butylbenzene	2.50	2.65		mg/Kg		106	68 - 125
N-Propylbenzene	2.50	2.22		mg/Kg		89	69 - 127
p-Isopropyltoluene	2.50	2.75		mg/Kg		110	70 - 125
sec-Butylbenzene	2.50	2.58		mg/Kg		103	70 - 123
Styrene	2.50	2.42		mg/Kg		97	70 - 120
tert-Butylbenzene	2.50	2.56		mg/Kg		102	70 - 121
Tetrachloroethene	2.50	2.55		mg/Kg		102	70 - 128
Toluene	2.50	2.34		mg/Kg		93	70 - 125
trans-1,2-Dichloroethene	2.50	2.68		mg/Kg		107	70 - 125
trans-1,3-Dichloropropene	2.50	1.65		mg/Kg		66	62 - 128
Trichloroethene	2.50	2.63		mg/Kg		105	70 - 125
Trichlorofluoromethane	2.50	2.63		mg/Kg		105	55 - 128
Vinyl chloride	2.50	2.60		mg/Kg		104	64 - 126
Xylenes, Total	5.00	5.32		mg/Kg		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*
4-Bromofluorobenzene (Surr)	*75*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*91*		*75 - 120*

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-611519/6
Matrix: Solid
Analysis Batch: 611519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			07/28/21 13:33	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			07/28/21 13:33	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			07/28/21 13:33	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			07/28/21 13:33	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			07/28/21 13:33	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			07/28/21 13:33	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			07/28/21 13:33	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			07/28/21 13:33	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			07/28/21 13:33	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			07/28/21 13:33	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			07/28/21 13:33	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			07/28/21 13:33	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			07/28/21 13:33	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			07/28/21 13:33	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			07/28/21 13:33	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			07/28/21 13:33	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			07/28/21 13:33	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			07/28/21 13:33	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			07/28/21 13:33	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			07/28/21 13:33	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			07/28/21 13:33	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			07/28/21 13:33	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			07/28/21 13:33	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			07/28/21 13:33	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			07/28/21 13:33	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			07/28/21 13:33	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			07/28/21 13:33	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			07/28/21 13:33	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			07/28/21 13:33	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			07/28/21 13:33	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			07/28/21 13:33	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			07/28/21 13:33	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			07/28/21 13:33	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			07/28/21 13:33	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			07/28/21 13:33	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			07/28/21 13:33	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			07/28/21 13:33	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			07/28/21 13:33	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			07/28/21 13:33	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			07/28/21 13:33	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			07/28/21 13:33	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			07/28/21 13:33	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			07/28/21 13:33	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			07/28/21 13:33	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			07/28/21 13:33	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			07/28/21 13:33	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			07/28/21 13:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-611519/6
Matrix: Solid
Analysis Batch: 611519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			07/28/21 13:33	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			07/28/21 13:33	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			07/28/21 13:33	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			07/28/21 13:33	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			07/28/21 13:33	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			07/28/21 13:33	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			07/28/21 13:33	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			07/28/21 13:33	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			07/28/21 13:33	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			07/28/21 13:33	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			07/28/21 13:33	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			07/28/21 13:33	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			07/28/21 13:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*07/28/21 13:33*	*1*
4-Bromofluorobenzene (Surr)	*80*		*72 - 124*		*07/28/21 13:33*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*07/28/21 13:33*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*07/28/21 13:33*	*1*

Lab Sample ID: LCS 500-611519/4
Matrix: Solid
Analysis Batch: 611519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0450		mg/Kg		90	70 - 125
1,1,1-Trichloroethane	0.0500	0.0499		mg/Kg		100	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0299	*-	mg/Kg		60	62 - 140
1,1,2-Trichloroethane	0.0500	0.0375		mg/Kg		75	71 - 130
1,1-Dichloroethane	0.0500	0.0452		mg/Kg		90	70 - 125
1,1-Dichloroethene	0.0500	0.0498		mg/Kg		100	67 - 122
1,1-Dichloropropene	0.0500	0.0457		mg/Kg		91	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0500		mg/Kg		100	51 - 145
1,2,3-Trichloropropane	0.0500	0.0315		mg/Kg		63	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0487		mg/Kg		97	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0439		mg/Kg		88	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0257	*-	mg/Kg		51	56 - 123
1,2-Dibromoethane	0.0500	0.0368		mg/Kg		74	70 - 125
1,2-Dichlorobenzene	0.0500	0.0423		mg/Kg		85	70 - 125
1,2-Dichloroethane	0.0500	0.0437		mg/Kg		87	68 - 127
1,2-Dichloropropane	0.0500	0.0414		mg/Kg		83	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0443		mg/Kg		89	70 - 123
1,3-Dichlorobenzene	0.0500	0.0431		mg/Kg		86	70 - 125
1,3-Dichloropropane	0.0500	0.0363		mg/Kg		73	62 - 136
1,4-Dichlorobenzene	0.0500	0.0431		mg/Kg		86	70 - 120
2,2-Dichloropropane	0.0500	0.0429		mg/Kg		86	58 - 139
2-Chlorotoluene	0.0500	0.0401		mg/Kg		80	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-611519/4
Matrix: Solid
Analysis Batch: 611519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	0.0500	0.0393		mg/Kg		79	68 - 124
Benzene	0.0500	0.0448		mg/Kg		90	70 - 120
Bromobenzene	0.0500	0.0359		mg/Kg		72	70 - 122
Bromochloromethane	0.0500	0.0489		mg/Kg		98	65 - 122
Bromodichloromethane	0.0500	0.0372		mg/Kg		74	69 - 120
Bromoform	0.0500	0.0309		mg/Kg		62	56 - 132
Bromomethane	0.0500	0.0557		mg/Kg		111	40 - 152
Carbon tetrachloride	0.0500	0.0483		mg/Kg		97	59 - 133
Chlorobenzene	0.0500	0.0435		mg/Kg		87	70 - 120
Chloroethane	0.0500	0.0551		mg/Kg		110	48 - 136
Chloroform	0.0500	0.0454		mg/Kg		91	70 - 120
Chloromethane	0.0500	0.0392		mg/Kg		78	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0470		mg/Kg		94	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0334		mg/Kg		67	64 - 127
Dibromochloromethane	0.0500	0.0335	*-	mg/Kg		67	68 - 125
Dibromomethane	0.0500	0.0421		mg/Kg		84	70 - 120
Dichlorodifluoromethane	0.0500	0.0366		mg/Kg		73	40 - 159
Ethylbenzene	0.0500	0.0464		mg/Kg		93	70 - 123
Hexachlorobutadiene	0.0500	0.0586		mg/Kg		117	51 - 150
Isopropylbenzene	0.0500	0.0424		mg/Kg		85	70 - 126
Methyl tert-butyl ether	0.0500	0.0483		mg/Kg		97	55 - 123
Methylene Chloride	0.0500	0.0472		mg/Kg		94	69 - 125
Naphthalene	0.0500	0.0436		mg/Kg		87	53 - 144
n-Butylbenzene	0.0500	0.0496		mg/Kg		99	68 - 125
N-Propylbenzene	0.0500	0.0413		mg/Kg		83	69 - 127
p-Isopropyltoluene	0.0500	0.0508		mg/Kg		102	70 - 125
sec-Butylbenzene	0.0500	0.0477		mg/Kg		95	70 - 123
Styrene	0.0500	0.0441		mg/Kg		88	70 - 120
tert-Butylbenzene	0.0500	0.0471		mg/Kg		94	70 - 121
Tetrachloroethene	0.0500	0.0480		mg/Kg		96	70 - 128
Toluene	0.0500	0.0433		mg/Kg		87	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0485		mg/Kg		97	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0310		mg/Kg		62	62 - 128
Trichloroethene	0.0500	0.0472		mg/Kg		94	70 - 125
Trichlorofluoromethane	0.0500	0.0457		mg/Kg		91	55 - 128
Vinyl chloride	0.0500	0.0463		mg/Kg		93	64 - 126
Xylenes, Total	0.100	0.0974		mg/Kg		97	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
4-Bromofluorobenzene (Surr)	*76*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*93*		*75 - 120*

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-610741/1-A
Matrix: Solid
Analysis Batch: 610873

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 610741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Anthracene	<0.0056		0.033	0.0056	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		07/23/21 06:45	07/23/21 15:14	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		07/23/21 06:45	07/23/21 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*106*		*43 - 145*	*07/23/21 06:45*	*07/23/21 15:14*	*1*
Nitrobenzene-d5 (Surr)	*100*		*37 - 147*	*07/23/21 06:45*	*07/23/21 15:14*	*1*
Terphenyl-d14 (Surr)	*157*		*42 - 157*	*07/23/21 06:45*	*07/23/21 15:14*	*1*

Lab Sample ID: LCS 500-610741/2-A
Matrix: Solid
Analysis Batch: 610873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	1.33	1.26		mg/Kg		94	68 - 111
2-Methylnaphthalene	1.33	1.36		mg/Kg		102	69 - 112
Acenaphthene	1.33	1.29		mg/Kg		97	65 - 124
Acenaphthylene	1.33	1.36		mg/Kg		102	68 - 120
Anthracene	1.33	1.39		mg/Kg		104	70 - 114
Benzo[a]anthracene	1.33	1.45		mg/Kg		109	67 - 122
Benzo[a]pyrene	1.33	1.40		mg/Kg		105	65 - 133
Benzo[b]fluoranthene	1.33	1.27		mg/Kg		95	69 - 129
Benzo[g,h,i]perylene	1.33	1.51		mg/Kg		113	72 - 131
Benzo[k]fluoranthene	1.33	1.27		mg/Kg		95	68 - 127
Chrysene	1.33	1.32		mg/Kg		99	63 - 120
Dibenz(a,h)anthracene	1.33	1.41		mg/Kg		106	64 - 131
Fluoranthene	1.33	1.33		mg/Kg		100	62 - 120
Fluorene	1.33	1.38		mg/Kg		104	62 - 120
Indeno[1,2,3-cd]pyrene	1.33	1.41		mg/Kg		106	68 - 130
Naphthalene	1.33	1.24		mg/Kg		93	63 - 110
Phenanthrene	1.33	1.39		mg/Kg		104	62 - 120
Pyrene	1.33	1.57		mg/Kg		118	61 - 128

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-610741/2-A
Matrix: Solid
Analysis Batch: 610873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610741

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*102*		*43 - 145*
Nitrobenzene-d5 (Surr)	*103*		*37 - 147*
Terphenyl-d14 (Surr)	*130*		*42 - 157*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-611170/1-A
Matrix: Solid
Analysis Batch: 611288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0066		0.017	0.0066	mg/Kg		07/26/21 19:54	07/27/21 10:44	1
PCB-1221	<0.0066		0.017	0.0066	mg/Kg		07/26/21 19:54	07/27/21 10:44	1
PCB-1232	<0.0045		0.017	0.0045	mg/Kg		07/26/21 19:54	07/27/21 10:44	1
PCB-1242	<0.0065		0.017	0.0065	mg/Kg		07/26/21 19:54	07/27/21 10:44	1
PCB-1248	<0.0079		0.017	0.0079	mg/Kg		07/26/21 19:54	07/27/21 10:44	1
PCB-1254	<0.0057		0.017	0.0057	mg/Kg		07/26/21 19:54	07/27/21 10:44	1
PCB-1260	<0.0063		0.017	0.0063	mg/Kg		07/26/21 19:54	07/27/21 10:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*49 - 129*	*07/26/21 19:54*	*07/27/21 10:44*	*1*
DCB Decachlorobiphenyl	*71*		*37 - 121*	*07/26/21 19:54*	*07/27/21 10:44*	*1*

Lab Sample ID: LCS 500-611170/2-A
Matrix: Solid
Analysis Batch: 611288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.157		mg/Kg		94	57 - 120
PCB-1260	0.167	0.149		mg/Kg		89	61 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*79*		*49 - 129*
DCB Decachlorobiphenyl	*73*		*37 - 121*

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5, 2-4'
Lab Sample ID: 500-202426-1
Date Collected: 07/15/21 09:15
Matrix: Solid
Date Received: 07/16/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	610854	07/23/21 10:46	LWN	TAL CHI

Client Sample ID: WB-MW-5, 2-4'
Lab Sample ID: 500-202426-1
Date Collected: 07/15/21 09:15
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			609877	07/15/21 09:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	611519	07/28/21 14:27	PMF	TAL CHI
Total/NA	Prep	3541			610741	07/23/21 06:45	CLL	TAL CHI
Total/NA	Analysis	8270D		1	610873	07/23/21 16:26	SS	TAL CHI
Total/NA	Prep	3541			611170	07/26/21 19:54	JP1	TAL CHI
Total/NA	Analysis	8082A		1	611288	07/27/21 11:16	JBJ	TAL CHI

Client Sample ID: WB-MW-5, 17-19'
Lab Sample ID: 500-202426-2
Date Collected: 07/15/21 09:37
Matrix: Solid
Date Received: 07/16/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	610854	07/23/21 10:46	LWN	TAL CHI

Client Sample ID: WB-MW-5, 17-19'
Lab Sample ID: 500-202426-2
Date Collected: 07/15/21 09:37
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			609877	07/15/21 09:37	WRE	TAL CHI
Total/NA	Analysis	8260B		50	611519	07/28/21 14:54	PMF	TAL CHI

Client Sample ID: WB-B-16, 2-4'
Lab Sample ID: 500-202426-3
Date Collected: 07/15/21 11:40
Matrix: Solid
Date Received: 07/16/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	610854	07/23/21 10:46	LWN	TAL CHI

Client Sample ID: WB-B-16, 2-4'
Lab Sample ID: 500-202426-3
Date Collected: 07/15/21 11:40
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			609877	07/15/21 11:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	611519	07/28/21 15:22	PMF	TAL CHI
Total/NA	Prep	3541			610741	07/23/21 06:45	CLL	TAL CHI
Total/NA	Analysis	8270D		1	610873	07/23/21 16:50	SS	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-B-16, 2-4'
Lab Sample ID: 500-202426-3
Date Collected: 07/15/21 11:40
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			611170	07/26/21 19:54	JP1	TAL CHI
Total/NA	Analysis	8082A		1	611288	07/27/21 11:32	JBJ	TAL CHI

Client Sample ID: WB-B-16, 8-10'
Lab Sample ID: 500-202426-4
Date Collected: 07/15/21 11:52
Matrix: Solid
Date Received: 07/16/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	610854	07/23/21 10:46	LWN	TAL CHI

Client Sample ID: WB-B-16, 8-10'
Lab Sample ID: 500-202426-4
Date Collected: 07/15/21 11:52
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			609877	07/15/21 11:52	WRE	TAL CHI
Total/NA	Analysis	8260B		50	611519	07/28/21 15:49	PMF	TAL CHI

Client Sample ID: WB-B-17, 2-4'
Lab Sample ID: 500-202426-5
Date Collected: 07/15/21 12:35
Matrix: Solid
Date Received: 07/16/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	610854	07/23/21 10:46	LWN	TAL CHI

Client Sample ID: WB-B-17, 2-4'
Lab Sample ID: 500-202426-5
Date Collected: 07/15/21 12:35
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			609877	07/15/21 12:35	WRE	TAL CHI
Total/NA	Analysis	8260B		50	611519	07/28/21 16:17	PMF	TAL CHI
Total/NA	Prep	3541			610741	07/23/21 06:45	CLL	TAL CHI
Total/NA	Analysis	8270D		1	610873	07/23/21 17:15	SS	TAL CHI
Total/NA	Prep	3541			611170	07/26/21 19:54	JP1	TAL CHI
Total/NA	Analysis	8082A		1	611288	07/27/21 11:48	JBJ	TAL CHI

Client Sample ID: WB-B-17, 8-10'
Lab Sample ID: 500-202426-6
Date Collected: 07/15/21 12:48
Matrix: Solid
Date Received: 07/16/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	610854	07/23/21 10:46	LWN	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-B-17, 8-10'
Lab Sample ID: 500-202426-6
Date Collected: 07/15/21 12:48
Matrix: Solid
Date Received: 07/16/21 09:55
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			609877	07/15/21 12:48	WRE	TAL CHI
Total/NA	Analysis	8260B		50	611519	07/28/21 16:44	PMF	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-202426-7
Date Collected: 07/15/21 00:00
Matrix: Solid
Date Received: 07/16/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			609877	07/15/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	611519	07/28/21 17:11	PMF	TAL CHI

Laboratory References:
TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202426-1
Project/Site: Community Within the Corridor - West Block
40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-202426

Sample Collector(s): Aileen Zebrowski	Title: Staff Engineer	Telephone # (incl area code): (262) 821 1171	Report To: Robert Reineke and Daniel Pelczar
Property Owner: ~~MMSD - West Basin~~ Community in the Corridor - West Block AZ	Property Address: 2727 N 32nd ~~4220 to 4350 N 35th~~ Street Milwaukee WI AZ	Telephone # (incl area code):	KSingh Project #: 40436
I hereby certify that I received properly and disposed of the samples as noted below		Laboratory Name: Eurofins-TestAmerica	
Relinquished By (Signature): Aileen Zebrowski	Date/Time: 7/15/21 247pm	Received By (Signature):	Temperature Blank: 4.3
Relinquished By (Signature):	Date/Time: 7 15 21 1700	Received By (Signature): 7/16/21 0955	If samples were received on ice and there was ice remaining you may report the temperature as received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.

500-202426 COC

1 Specify groundwater (GW) soil (S) air (A) sludge (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

	Date Collected	Time Collected	Samples: Type (1)	Samples: Device	Location/Description (2)	VOCs	SVOCs	PAHs	RCRA Metals	PCBs	Pesticides & Herbicides	PFAs	Sample Condition: # / Type of Container: MeOH	HCL	H2SO4	Unpres	Other Comment
1	07/15/21	0915am	S	SS	WB-MW-5, 2-4'	X		X		X			1			2	
2		0937am			WB-MW-5, 17-19'	X							1			1	
3		1140am			WB-B-16, 2-4'	X		X		X			1			2	
4		1152am			WB B-16, 8-10'	X							1			1	
5		1235pm			WB-B-17, 2-4'	X		X		X			1			2	
6		1248pm			WB B-17 8-10'	X							1			1	
7					Trip Blank												

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[ ] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By:
Accepted [ ] Y [ ] N
Signature

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-202426-1

Login Number: 202426
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-201854-1
Client Project/Site: Community within the Corridor - 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Sandra Fredrick

Authorized for release by:
7/19/2021 2:38:00 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

Review your project results through TotalAccess

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Job ID: 500-201854-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-201854-1

Comments
No additional comments.

Receipt
The samples were received on 7/3/2021 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.4° C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Added to COC and logged in.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) 607000 recovered outside control limits for Chloroethane, Dibromochloromethane, and Methyl tert butyl ether. This is a prepped 5035 LCS. All daily insrument LCSs were acceptable, and the data have been reported.WB-B-20, 8-9' (500-201854-1), WB-B-19. 7-8' (500-201854-2), WB-B-18, 7-8' (500-201854-3) and Trip Blank (500-201854-4)

Method 8260B: The laboratory control sample (LCS) for 609250 recovered outside control limits for Dichlorodifluoromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.WB-B-20, 8-9' (500-201854-1), WB-B-19. 7-8' (500-201854-2), WB-B-18, 7-8' (500-201854-3) and Trip Blank (500-201854-4)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: WB-B-20, 8-9'
Lab Sample ID: 500-201854-1

No Detections.

Client Sample ID: WB-B-19. 7-8'
Lab Sample ID: 500-201854-2

No Detections.

Client Sample ID: WB-B-18, 7-8'
Lab Sample ID: 500-201854-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.016		0.016	0.0093	mg/Kg	50	☼	8260B	Total/NA

Client Sample ID: Trip Blank
Lab Sample ID: 500-201854-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.025	J	0.10	0.019	mg/Kg	50		8260B	Total/NA
Toluene	0.011	J	0.013	0.0074	mg/Kg	50		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-201854-1	WB-B-20, 8-9'	Solid	07/02/21 10:07	07/03/21 09:30	
500-201854-2	WB-B-19. 7-8'	Solid	07/02/21 10:35	07/03/21 09:30	
500-201854-3	WB-B-18, 7-8'	Solid	07/02/21 12:01	07/03/21 09:30	
500-201854-4	Trip Blank	Solid	07/02/21 00:00	07/03/21 09:10	

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: WB-B-20, 8-9'
Lab Sample ID: 500-201854-1
Date Collected: 07/02/21 10:07
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.030		0.066	0.030	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,1,1-Trichloroethane	<0.025		0.066	0.025	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,1,2,2-Tetrachloroethane	<0.026		0.066	0.026	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,1,2-Trichloroethane	<0.023		0.066	0.023	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,1-Dichloroethane	<0.027		0.066	0.027	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,1-Dichloroethene	<0.026		0.066	0.026	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,1-Dichloropropene	<0.020		0.066	0.020	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2,3-Trichlorobenzene	<0.030		0.066	0.030	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2,3-Trichloropropane	<0.027		0.13	0.027	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2,4-Trichlorobenzene	<0.023		0.066	0.023	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2,4-Trimethylbenzene	<0.024		0.066	0.024	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2-Dibromo-3-Chloropropane	<0.13		0.33	0.13	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2-Dibromoethane	<0.025		0.066	0.025	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2-Dichlorobenzene	<0.022		0.066	0.022	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2-Dichloroethane	<0.026		0.066	0.026	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,2-Dichloropropane	<0.028		0.066	0.028	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,3,5-Trimethylbenzene	<0.025		0.066	0.025	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,3-Dichlorobenzene	<0.026		0.066	0.026	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,3-Dichloropropane	<0.024		0.066	0.024	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
1,4-Dichlorobenzene	<0.024		0.066	0.024	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
2,2-Dichloropropane	<0.029		0.066	0.029	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
2-Chlorotoluene	<0.021		0.066	0.021	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
4-Chlorotoluene	<0.023		0.066	0.023	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Benzene	<0.0096		0.016	0.0096	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Bromobenzene	<0.023		0.066	0.023	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Bromochloromethane	<0.028		0.066	0.028	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Bromodichloromethane	<0.025		0.066	0.025	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Bromoform	<0.032		0.066	0.032	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Bromomethane	<0.053		0.20	0.053	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Carbon tetrachloride	<0.025		0.066	0.025	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Chlorobenzene	<0.025		0.066	0.025	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Chloroethane	<0.033	*+	0.066	0.033	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Chloroform	<0.024		0.13	0.024	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Chloromethane	<0.021		0.066	0.021	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
cis-1,2-Dichloroethene	<0.027		0.066	0.027	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
cis-1,3-Dichloropropene	<0.027		0.066	0.027	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Dibromochloromethane	<0.032	*-	0.066	0.032	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Dibromomethane	<0.018		0.066	0.018	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Dichlorodifluoromethane	<0.044	*+	0.20	0.044	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Hexachlorobutadiene	<0.029		0.066	0.029	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Isopropyl ether	<0.018		0.066	0.018	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Isopropylbenzene	<0.025		0.066	0.025	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Methyl tert-butyl ether	<0.026	*+	0.066	0.026	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Methylene Chloride	<0.11		0.33	0.11	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Naphthalene	<0.022		0.066	0.022	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
n-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
N-Propylbenzene	<0.027		0.066	0.027	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
p-Isopropyltoluene	<0.024		0.066	0.024	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: WB-B-20, 8-9'
Lab Sample ID: 500-201854-1
Date Collected: 07/02/21 10:07
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Styrene	<0.025		0.066	0.025	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
tert-Butylbenzene	<0.026		0.066	0.026	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Tetrachloroethene	<0.024		0.066	0.024	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Toluene	<0.0097		0.016	0.0097	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
trans-1,2-Dichloroethene	<0.023		0.066	0.023	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
trans-1,3-Dichloropropene	<0.024		0.066	0.024	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Trichloroethene	<0.011		0.033	0.011	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Trichlorofluoromethane	<0.028		0.066	0.028	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Vinyl chloride	<0.017		0.066	0.017	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50
Xylenes, Total	<0.015		0.033	0.015	mg/Kg	☼	07/02/21 10:07	07/14/21 17:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*	*07/02/21 10:07*	*07/14/21 17:59*	*50*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*07/02/21 10:07*	*07/14/21 17:59*	*50*
Dibromofluoromethane (Surr)	*99*		*75 - 120*	*07/02/21 10:07*	*07/14/21 17:59*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*07/02/21 10:07*	*07/14/21 17:59*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: WB-B-19. 7-8'
Lab Sample ID: 500-201854-2
Date Collected: 07/02/21 10:35
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 89.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.028		0.062	0.028	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,1,1-Trichloroethane	<0.023		0.062	0.023	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,1,2,2-Tetrachloroethane	<0.025		0.062	0.025	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,1,2-Trichloroethane	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,1-Dichloroethane	<0.025		0.062	0.025	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,1-Dichloroethene	<0.024		0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,1-Dichloropropene	<0.018		0.062	0.018	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2,3-Trichlorobenzene	<0.028		0.062	0.028	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2,3-Trichloropropane	<0.026		0.12	0.026	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2,4-Trichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2,4-Trimethylbenzene	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2-Dibromo-3-Chloropropane	<0.12		0.31	0.12	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2-Dibromoethane	<0.024		0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2-Dichlorobenzene	<0.021		0.062	0.021	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2-Dichloroethane	<0.024		0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,2-Dichloropropane	<0.026		0.062	0.026	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,3,5-Trimethylbenzene	<0.023		0.062	0.023	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,3-Dichlorobenzene	<0.025		0.062	0.025	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,3-Dichloropropane	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
1,4-Dichlorobenzene	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
2,2-Dichloropropane	<0.027		0.062	0.027	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
2-Chlorotoluene	<0.019		0.062	0.019	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
4-Chlorotoluene	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Benzene	<0.0090		0.015	0.0090	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Bromobenzene	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Bromochloromethane	<0.026		0.062	0.026	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Bromodichloromethane	<0.023		0.062	0.023	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Bromoform	<0.030		0.062	0.030	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Bromomethane	<0.049		0.18	0.049	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Carbon tetrachloride	<0.024		0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Chlorobenzene	<0.024		0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Chloroethane	<0.031	*+	0.062	0.031	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Chloroform	<0.023		0.12	0.023	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Chloromethane	<0.020		0.062	0.020	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
cis-1,2-Dichloroethene	<0.025		0.062	0.025	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
cis-1,3-Dichloropropene	<0.026		0.062	0.026	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Dibromochloromethane	<0.030	*-	0.062	0.030	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Dibromomethane	<0.017		0.062	0.017	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Dichlorodifluoromethane	<0.042	*+	0.18	0.042	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Ethylbenzene	<0.011		0.015	0.011	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Hexachlorobutadiene	<0.027		0.062	0.027	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Isopropyl ether	<0.017		0.062	0.017	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Isopropylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Methyl tert-butyl ether	<0.024	*+	0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Methylene Chloride	<0.10		0.31	0.10	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Naphthalene	<0.021		0.062	0.021	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
n-Butylbenzene	<0.024		0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
N-Propylbenzene	<0.026		0.062	0.026	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
p-Isopropyltoluene	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50

Client Sample ID: WB-B-19. 7-8'
Lab Sample ID: 500-201854-2
Date Collected: 07/02/21 10:35
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 89.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Styrene	<0.024		0.062	0.024	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
tert-Butylbenzene	<0.025		0.062	0.025	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Tetrachloroethene	<0.023		0.062	0.023	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Toluene	<0.0091		0.015	0.0091	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
trans-1,2-Dichloroethene	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
trans-1,3-Dichloropropene	<0.022		0.062	0.022	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Trichloroethene	<0.010		0.031	0.010	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Trichlorofluoromethane	<0.026		0.062	0.026	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Vinyl chloride	<0.016		0.062	0.016	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50
Xylenes, Total	<0.014		0.031	0.014	mg/Kg	☼	07/02/21 10:05	07/14/21 18:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*	*07/02/21 10:05*	*07/14/21 18:25*	*50*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*	*07/02/21 10:05*	*07/14/21 18:25*	*50*
Dibromofluoromethane (Surr)	*99*		*75 - 120*	*07/02/21 10:05*	*07/14/21 18:25*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*07/02/21 10:05*	*07/14/21 18:25*	*50*

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: WB-B-18, 7-8'
Lab Sample ID: 500-201854-3
Date Collected: 07/02/21 12:01
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.029		0.063	0.029	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,1,1-Trichloroethane	<0.024		0.063	0.024	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,1,2,2-Tetrachloroethane	<0.025		0.063	0.025	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,1,2-Trichloroethane	<0.022		0.063	0.022	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,1-Dichloroethane	<0.026		0.063	0.026	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,1-Dichloroethene	<0.025		0.063	0.025	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,1-Dichloropropene	<0.019		0.063	0.019	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2,3-Trichlorobenzene	<0.029		0.063	0.029	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2,3-Trichloropropane	<0.026		0.13	0.026	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2,4-Trichlorobenzene	<0.022		0.063	0.022	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2,4-Trimethylbenzene	<0.023		0.063	0.023	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2-Dibromo-3-Chloropropane	<0.13		0.32	0.13	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2-Dibromoethane	<0.024		0.063	0.024	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2-Dichlorobenzene	<0.021		0.063	0.021	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2-Dichloroethane	<0.025		0.063	0.025	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,2-Dichloropropane	<0.027		0.063	0.027	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,3,5-Trimethylbenzene	<0.024		0.063	0.024	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,3-Dichlorobenzene	<0.025		0.063	0.025	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,3-Dichloropropane	<0.023		0.063	0.023	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
1,4-Dichlorobenzene	<0.023		0.063	0.023	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
2,2-Dichloropropane	<0.028		0.063	0.028	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
2-Chlorotoluene	<0.020		0.063	0.020	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
4-Chlorotoluene	<0.022		0.063	0.022	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Benzene	<0.0093		0.016	0.0093	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Bromobenzene	<0.023		0.063	0.023	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Bromochloromethane	<0.027		0.063	0.027	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Bromodichloromethane	<0.024		0.063	0.024	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Bromoform	<0.031		0.063	0.031	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Bromomethane	<0.050		0.19	0.050	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Carbon tetrachloride	<0.024		0.063	0.024	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Chlorobenzene	<0.024		0.063	0.024	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Chloroethane	<0.032	*+	0.063	0.032	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Chloroform	<0.023		0.13	0.023	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Chloromethane	<0.020		0.063	0.020	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
cis-1,2-Dichloroethene	<0.026		0.063	0.026	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
cis-1,3-Dichloropropene	<0.026		0.063	0.026	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Dibromochloromethane	<0.031	*-	0.063	0.031	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Dibromomethane	<0.017		0.063	0.017	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Dichlorodifluoromethane	<0.043	*+ F1	0.19	0.043	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Ethylbenzene	<0.012		0.016	0.012	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Hexachlorobutadiene	<0.028		0.063	0.028	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Isopropyl ether	<0.018		0.063	0.018	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Isopropylbenzene	<0.024		0.063	0.024	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Methyl tert-butyl ether	<0.025	*+	0.063	0.025	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Methylene Chloride	<0.10		0.32	0.10	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Naphthalene	<0.021		0.063	0.021	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
n-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
N-Propylbenzene	<0.026		0.063	0.026	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
p-Isopropyltoluene	<0.023		0.063	0.023	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: WB-B-18, 7-8'
Lab Sample ID: 500-201854-3
Date Collected: 07/02/21 12:01
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 88.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Styrene	<0.024		0.063	0.024	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
tert-Butylbenzene	<0.025		0.063	0.025	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Tetrachloroethene	<0.023		0.063	0.023	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Toluene	**0.016**		0.016	0.0093	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
trans-1,2-Dichloroethene	<0.022		0.063	0.022	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
trans-1,3-Dichloropropene	<0.023		0.063	0.023	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Trichloroethene	<0.010		0.032	0.010	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Trichlorofluoromethane	<0.027		0.063	0.027	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Vinyl chloride	<0.017	F1	0.063	0.017	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50
Xylenes, Total	<0.014		0.032	0.014	mg/Kg	☼	07/02/21 12:01	07/14/21 18:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*	*07/02/21 12:01*	*07/14/21 18:50*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*07/02/21 12:01*	*07/14/21 18:50*	*50*
Dibromofluoromethane (Surr)	*97*		*75 - 120*	*07/02/21 12:01*	*07/14/21 18:50*	*50*
Toluene-d8 (Surr)	*95*		*75 - 120*	*07/02/21 12:01*	*07/14/21 18:50*	*50*

Client Sample ID: Trip Blank
Lab Sample ID: 500-201854-4

Date Collected: 07/02/21 00:00
Matrix: Solid
Date Received: 07/03/21 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Bromoform	<0.024		0.050	0.024	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Chloroethane	<0.025	*+	0.050	0.025	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Chloroform	**0.025**	**J**	0.10	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Dibromochloromethane	<0.024	*-	0.050	0.024	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Dichlorodifluoromethane	<0.034	*+	0.15	0.034	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Methyl tert-butyl ether	<0.020	*+	0.050	0.020	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: Trip Blank
Lab Sample ID: 500-201854-4
Date Collected: 07/02/21 00:00
Matrix: Solid
Date Received: 07/03/21 09:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Styrene	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Toluene	**0.011**	**J**	0.013	0.0074	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		07/02/21 00:00	07/14/21 16:43	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		07/02/21 00:00	07/14/21 16:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*	*07/02/21 00:00*	*07/14/21 16:43*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*07/02/21 00:00*	*07/14/21 16:43*	*50*
Dibromofluoromethane (Surr)	*97*		*75 - 120*	*07/02/21 00:00*	*07/14/21 16:43*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*07/02/21 00:00*	*07/14/21 16:43*	*50*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

GC/MS VOA

Prep Batch: 607700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-201854-1	WB-B-20, 8-9'	Total/NA	Solid	5035	
500-201854-2	WB-B-19. 7-8'	Total/NA	Solid	5035	
500-201854-3	WB-B-18, 7-8'	Total/NA	Solid	5035	
500-201854-4	Trip Blank	Total/NA	Solid	5035	
LB3 500-607700/13-A	Method Blank	Total/NA	Solid	5035	
LCS 500-607700/14-A	Lab Control Sample	Total/NA	Solid	5035	
500-201854-3 MS	WB-B-18, 7-8'	Total/NA	Solid	5035	
500-201854-3 MSD	WB-B-18, 7-8'	Total/NA	Solid	5035	

Analysis Batch: 609250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-201854-1	WB-B-20, 8-9'	Total/NA	Solid	8260B	607700
500-201854-2	WB-B-19. 7-8'	Total/NA	Solid	8260B	607700
500-201854-3	WB-B-18, 7-8'	Total/NA	Solid	8260B	607700
500-201854-4	Trip Blank	Total/NA	Solid	8260B	607700
MB 500-609250/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-609250/5	Lab Control Sample	Total/NA	Solid	8260B	
500-201854-3 MS	WB-B-18, 7-8'	Total/NA	Solid	8260B	607700
500-201854-3 MSD	WB-B-18, 7-8'	Total/NA	Solid	8260B	607700

Analysis Batch: 609257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-607700/13-A	Method Blank	Total/NA	Solid	8260B	607700
MB 500-609257/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-607700/14-A	Lab Control Sample	Total/NA	Solid	8260B	607700
LCS 500-609257/4	Lab Control Sample	Total/NA	Solid	8260B	

General Chemistry

Analysis Batch: 607713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-201854-1	WB-B-20, 8-9'	Total/NA	Solid	Moisture	
500-201854-2	WB-B-19. 7-8'	Total/NA	Solid	Moisture	
500-201854-3	WB-B-18, 7-8'	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-201854-1	WB-B-20, 8-9'	92	92	99	98
500-201854-2	WB-B-19. 7-8'	90	92	99	97
500-201854-3	WB-B-18, 7-8'	90	93	97	95
500-201854-3 MS	WB-B-18, 7-8'	90	95	101	96
500-201854-3 MSD	WB-B-18, 7-8'	94	95	104	96
500-201854-4	Trip Blank	90	93	97	98
LB3 500-607700/13-A	Method Blank	119	93	93	99
LCS 500-607700/14-A	Lab Control Sample	118	92	100	97
LCS 500-609250/5	Lab Control Sample	84	94	97	100
LCS 500-609257/4	Lab Control Sample	112	94	99	101
MB 500-609250/7	Method Blank	87	91	98	98
MB 500-609257/6	Method Blank	117	96	97	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-607700/13-A
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 607700

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Bromoform	<0.024		0.050	0.024	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Chloroform	<0.019		0.10	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		07/04/21 02:50	07/14/21 17:56	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-607700/13-A
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 607700

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Styrene	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		07/04/21 02:50	07/14/21 17:56	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		07/04/21 02:50	07/14/21 17:56	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 126*	*07/04/21 02:50*	*07/14/21 17:56*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*07/04/21 02:50*	*07/14/21 17:56*	*50*
Dibromofluoromethane (Surr)	*93*		*75 - 120*	*07/04/21 02:50*	*07/14/21 17:56*	*50*
Toluene-d8 (Surr)	*99*		*75 - 120*	*07/04/21 02:50*	*07/14/21 17:56*	*50*

Lab Sample ID: LCS 500-607700/14-A
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 607700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.38		mg/Kg		95	70 - 125
1,1,1-Trichloroethane	2.50	2.85		mg/Kg		114	70 - 125
1,1,2,2-Tetrachloroethane	2.50	1.78		mg/Kg		71	62 - 140
1,1,2-Trichloroethane	2.50	2.01		mg/Kg		80	71 - 130
1,1-Dichloroethane	2.50	2.74		mg/Kg		110	70 - 125
1,1-Dichloroethene	2.50	2.56		mg/Kg		102	67 - 122
1,1-Dichloropropene	2.50	2.63		mg/Kg		105	70 - 121
1,2,3-Trichlorobenzene	2.50	2.52		mg/Kg		101	51 - 145
1,2,3-Trichloropropane	2.50	1.90		mg/Kg		76	50 - 133
1,2,4-Trichlorobenzene	2.50	2.49		mg/Kg		99	57 - 137
1,2,4-Trimethylbenzene	2.50	2.56		mg/Kg		102	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	1.76		mg/Kg		70	56 - 123
1,2-Dibromoethane	2.50	1.96		mg/Kg		78	70 - 125
1,2-Dichlorobenzene	2.50	2.24		mg/Kg		90	70 - 125
1,2-Dichloroethane	2.50	2.89		mg/Kg		116	68 - 127
1,2-Dichloropropane	2.50	2.47		mg/Kg		99	67 - 130
1,3,5-Trimethylbenzene	2.50	2.59		mg/Kg		104	70 - 123
1,3-Dichlorobenzene	2.50	2.27		mg/Kg		91	70 - 125
1,3-Dichloropropane	2.50	2.20		mg/Kg		88	62 - 136
1,4-Dichlorobenzene	2.50	2.19		mg/Kg		88	70 - 120
2,2-Dichloropropane	2.50	2.51		mg/Kg		100	58 - 139
2-Chlorotoluene	2.50	2.42		mg/Kg		97	70 - 125
4-Chlorotoluene	2.50	2.36		mg/Kg		95	68 - 124
Benzene	2.50	2.53		mg/Kg		101	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-607700/14-A
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 607700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2.50	1.93		mg/Kg		77	70 - 122
Bromochloromethane	2.50	2.41		mg/Kg		96	65 - 122
Bromodichloromethane	2.50	2.15		mg/Kg		86	69 - 120
Bromoform	2.50	1.44		mg/Kg		58	56 - 132
Bromomethane	2.50	2.57		mg/Kg		103	40 - 152
Carbon tetrachloride	2.50	2.65		mg/Kg		106	59 - 133
Chlorobenzene	2.50	2.32		mg/Kg		93	70 - 120
Chloroethane	2.50	3.51	*+	mg/Kg		140	48 - 136
Chloroform	2.50	2.68		mg/Kg		107	70 - 120
Chloromethane	2.50	2.62		mg/Kg		105	56 - 152
cis-1,2-Dichloroethene	2.50	2.48		mg/Kg		99	70 - 125
cis-1,3-Dichloropropene	2.50	1.98		mg/Kg		79	64 - 127
Dibromochloromethane	2.50	1.66	*-	mg/Kg		66	68 - 125
Dibromomethane	2.50	2.45		mg/Kg		98	70 - 120
Dichlorodifluoromethane	2.50	1.96		mg/Kg		79	40 - 159
Ethylbenzene	2.50	2.48		mg/Kg		99	70 - 123
Hexachlorobutadiene	2.50	2.99		mg/Kg		119	51 - 150
Isopropylbenzene	2.50	2.44		mg/Kg		97	70 - 126
Methyl tert-butyl ether	2.50	3.13	*+	mg/Kg		125	55 - 123
Methylene Chloride	2.50	2.61		mg/Kg		104	69 - 125
Naphthalene	2.50	2.34		mg/Kg		94	53 - 144
n-Butylbenzene	2.50	2.95		mg/Kg		118	68 - 125
N-Propylbenzene	2.50	2.47		mg/Kg		99	69 - 127
p-Isopropyltoluene	2.50	2.79		mg/Kg		112	70 - 125
sec-Butylbenzene	2.50	2.72		mg/Kg		109	70 - 123
Styrene	2.50	2.35		mg/Kg		94	70 - 120
tert-Butylbenzene	2.50	2.60		mg/Kg		104	70 - 121
Tetrachloroethene	2.50	2.26		mg/Kg		90	70 - 128
Toluene	2.50	2.36		mg/Kg		94	70 - 125
trans-1,2-Dichloroethene	2.50	2.53		mg/Kg		101	70 - 125
trans-1,3-Dichloropropene	2.50	1.90		mg/Kg		76	62 - 128
Trichloroethene	2.50	2.29		mg/Kg		91	70 - 125
Trichlorofluoromethane	2.50	2.74		mg/Kg		109	55 - 128
Vinyl chloride	2.50	2.61		mg/Kg		104	64 - 126
Xylenes, Total	5.00	5.53		mg/Kg		111	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Sample ID: 500-201854-3 MS
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: WB-B-18, 7-8'
Prep Type: Total/NA
Prep Batch: 607700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.029		3.17	2.82		mg/Kg	☼	89	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-201854-3 MS
Client Sample ID: WB-B-18, 7-8'
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 609250
Prep Batch: 607700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.024		3.17	3.09		mg/Kg	☼	97	70 - 125
1,1,2,2-Tetrachloroethane	<0.025		3.17	2.63		mg/Kg	☼	83	62 - 140
1,1,2-Trichloroethane	<0.022		3.17	2.95		mg/Kg	☼	93	71 - 130
1,1-Dichloroethane	<0.026		3.17	3.05		mg/Kg	☼	96	70 - 125
1,1-Dichloroethene	<0.025		3.17	3.28		mg/Kg	☼	103	67 - 122
1,1-Dichloropropene	<0.019		3.17	3.01		mg/Kg	☼	95	70 - 121
1,2,3-Trichlorobenzene	<0.029		3.17	2.87		mg/Kg	☼	91	51 - 145
1,2,3-Trichloropropane	<0.026		3.17	2.91		mg/Kg	☼	92	50 - 133
1,2,4-Trichlorobenzene	<0.022		3.17	2.77		mg/Kg	☼	87	57 - 137
1,2,4-Trimethylbenzene	<0.023		3.17	2.94		mg/Kg	☼	93	70 - 123
1,2-Dibromo-3-Chloropropane	<0.13		3.17	2.22		mg/Kg	☼	70	56 - 123
1,2-Dibromoethane	<0.024		3.17	2.87		mg/Kg	☼	91	70 - 125
1,2-Dichlorobenzene	<0.021		3.17	3.10		mg/Kg	☼	98	70 - 125
1,2-Dichloroethane	<0.025		3.17	2.85		mg/Kg	☼	90	68 - 127
1,2-Dichloropropane	<0.027		3.17	2.95		mg/Kg	☼	93	67 - 130
1,3,5-Trimethylbenzene	<0.024		3.17	3.04		mg/Kg	☼	96	70 - 123
1,3-Dichlorobenzene	<0.025		3.17	3.12		mg/Kg	☼	98	70 - 125
1,3-Dichloropropane	<0.023		3.17	2.70		mg/Kg	☼	85	62 - 136
1,4-Dichlorobenzene	<0.023		3.17	3.13		mg/Kg	☼	99	70 - 120
2,2-Dichloropropane	<0.028		3.17	2.39		mg/Kg	☼	75	58 - 139
2-Chlorotoluene	<0.020		3.17	2.99		mg/Kg	☼	94	70 - 125
4-Chlorotoluene	<0.022		3.17	2.89		mg/Kg	☼	91	68 - 124
Benzene	<0.0093		3.17	2.98		mg/Kg	☼	94	70 - 120
Bromobenzene	<0.023		3.17	3.24		mg/Kg	☼	102	70 - 122
Bromochloromethane	<0.027		3.17	3.29		mg/Kg	☼	104	65 - 122
Bromodichloromethane	<0.024		3.17	2.72		mg/Kg	☼	86	69 - 120
Bromoform	<0.031		3.17	2.60		mg/Kg	☼	82	56 - 132
Bromomethane	<0.050		3.17	4.04		mg/Kg	☼	127	40 - 152
Carbon tetrachloride	<0.024		3.17	2.97		mg/Kg	☼	94	59 - 133
Chlorobenzene	<0.024		3.17	3.00		mg/Kg	☼	95	70 - 120
Chloroethane	<0.032	*+	3.17	3.36		mg/Kg	☼	106	48 - 136
Chloroform	<0.023		3.17	3.08		mg/Kg	☼	97	70 - 120
Chloromethane	<0.020		3.17	4.04		mg/Kg	☼	127	56 - 152
cis-1,2-Dichloroethene	<0.026		3.17	3.17		mg/Kg	☼	100	70 - 125
cis-1,3-Dichloropropene	<0.026		3.17	2.49		mg/Kg	☼	78	64 - 127
Dibromochloromethane	<0.031	*-	3.17	2.78		mg/Kg	☼	88	68 - 125
Dibromomethane	<0.017		3.17	2.81		mg/Kg	☼	89	70 - 120
Dichlorodifluoromethane	<0.043	*+ F1	3.17	5.55	F1	mg/Kg	☼	175	40 - 159
Ethylbenzene	<0.012		3.17	2.96		mg/Kg	☼	93	70 - 123
Hexachlorobutadiene	<0.028		3.17	3.00		mg/Kg	☼	94	51 - 150
Isopropylbenzene	<0.024		3.17	3.13		mg/Kg	☼	99	70 - 126
Methyl tert-butyl ether	<0.025	*+	3.17	2.85		mg/Kg	☼	90	55 - 123
Methylene Chloride	<0.10		3.17	3.06		mg/Kg	☼	97	69 - 125
Naphthalene	<0.021		3.17	2.81		mg/Kg	☼	89	53 - 144
n-Butylbenzene	<0.025		3.17	2.78		mg/Kg	☼	88	68 - 125
N-Propylbenzene	<0.026		3.17	2.95		mg/Kg	☼	93	69 - 127
p-Isopropyltoluene	<0.023		3.17	2.99		mg/Kg	☼	94	70 - 125
sec-Butylbenzene	<0.025		3.17	3.08		mg/Kg	☼	97	70 - 123
Styrene	<0.024		3.17	3.00		mg/Kg	☼	95	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-201854-3 MS
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: WB-B-18, 7-8'
Prep Type: Total/NA
Prep Batch: 607700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.025		3.17	3.17		mg/Kg	☼	100	70 - 121
Tetrachloroethene	<0.023		3.17	3.26		mg/Kg	☼	103	70 - 128
Toluene	0.016		3.17	2.96		mg/Kg	☼	93	70 - 125
trans-1,2-Dichloroethene	<0.022		3.17	3.38		mg/Kg	☼	106	70 - 125
trans-1,3-Dichloropropene	<0.023		3.17	2.32		mg/Kg	☼	73	62 - 128
Trichloroethene	<0.010		3.17	3.33		mg/Kg	☼	105	70 - 125
Trichlorofluoromethane	<0.027		3.17	3.69		mg/Kg	☼	116	55 - 128
Vinyl chloride	<0.017	F1	3.17	4.22	F1	mg/Kg	☼	133	64 - 126
Xylenes, Total	<0.014		6.34	5.86		mg/Kg	☼	92	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 120*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Sample ID: 500-201854-3 MSD
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: WB-B-18, 7-8'
Prep Type: Total/NA
Prep Batch: 607700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.029		3.17	2.97		mg/Kg	☼	94	70 - 125	5	30
1,1,1-Trichloroethane	<0.024		3.17	3.20		mg/Kg	☼	101	70 - 125	4	30
1,1,2,2-Tetrachloroethane	<0.025		3.17	2.90		mg/Kg	☼	91	62 - 140	10	30
1,1,2-Trichloroethane	<0.022		3.17	3.23		mg/Kg	☼	102	71 - 130	9	30
1,1-Dichloroethane	<0.026		3.17	3.18		mg/Kg	☼	100	70 - 125	4	30
1,1-Dichloroethene	<0.025		3.17	3.61		mg/Kg	☼	114	67 - 122	10	30
1,1-Dichloropropene	<0.019		3.17	3.15		mg/Kg	☼	99	70 - 121	5	30
1,2,3-Trichlorobenzene	<0.029		3.17	3.03		mg/Kg	☼	95	51 - 145	5	30
1,2,3-Trichloropropane	<0.026		3.17	3.07		mg/Kg	☼	97	50 - 133	5	30
1,2,4-Trichlorobenzene	<0.022		3.17	2.92		mg/Kg	☼	92	57 - 137	5	30
1,2,4-Trimethylbenzene	<0.023		3.17	3.10		mg/Kg	☼	98	70 - 123	5	30
1,2-Dibromo-3-Chloropropane	<0.13		3.17	2.38		mg/Kg	☼	75	56 - 123	7	30
1,2-Dibromoethane	<0.024		3.17	3.07		mg/Kg	☼	97	70 - 125	7	30
1,2-Dichlorobenzene	<0.021		3.17	3.28		mg/Kg	☼	103	70 - 125	5	30
1,2-Dichloroethane	<0.025		3.17	3.07		mg/Kg	☼	97	68 - 127	7	30
1,2-Dichloropropane	<0.027		3.17	3.13		mg/Kg	☼	99	67 - 130	6	30
1,3,5-Trimethylbenzene	<0.024		3.17	3.19		mg/Kg	☼	101	70 - 123	5	30
1,3-Dichlorobenzene	<0.025		3.17	3.24		mg/Kg	☼	102	70 - 125	4	30
1,3-Dichloropropane	<0.023		3.17	2.87		mg/Kg	☼	90	62 - 136	6	30
1,4-Dichlorobenzene	<0.023		3.17	3.31		mg/Kg	☼	104	70 - 120	6	30
2,2-Dichloropropane	<0.028		3.17	2.54		mg/Kg	☼	80	58 - 139	6	30
2-Chlorotoluene	<0.020		3.17	3.09		mg/Kg	☼	97	70 - 125	3	30
4-Chlorotoluene	<0.022		3.17	3.01		mg/Kg	☼	95	68 - 124	4	30
Benzene	<0.0093		3.17	3.15		mg/Kg	☼	99	70 - 120	6	30
Bromobenzene	<0.023		3.17	3.46		mg/Kg	☼	109	70 - 122	6	30
Bromochloromethane	<0.027		3.17	3.45		mg/Kg	☼	109	65 - 122	5	30
Bromodichloromethane	<0.024		3.17	2.92		mg/Kg	☼	92	69 - 120	7	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-201854-3 MSD
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: WB-B-18, 7-8'
Prep Type: Total/NA
Prep Batch: 607700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.031		3.17	2.72		mg/Kg	☼	86	56 - 132	4	30
Bromomethane	<0.050		3.17	3.89		mg/Kg	☼	123	40 - 152	4	30
Carbon tetrachloride	<0.024		3.17	3.13		mg/Kg	☼	99	59 - 133	5	30
Chlorobenzene	<0.024		3.17	3.17		mg/Kg	☼	100	70 - 120	6	30
Chloroethane	<0.032	*+	3.17	2.97		mg/Kg	☼	94	48 - 136	12	30
Chloroform	<0.023		3.17	3.28		mg/Kg	☼	104	70 - 120	6	30
Chloromethane	<0.020		3.17	3.97		mg/Kg	☼	125	56 - 152	2	30
cis-1,2-Dichloroethene	<0.026		3.17	3.36		mg/Kg	☼	106	70 - 125	6	30
cis-1,3-Dichloropropene	<0.026		3.17	2.64		mg/Kg	☼	83	64 - 127	6	30
Dibromochloromethane	<0.031	*-	3.17	2.94		mg/Kg	☼	93	68 - 125	6	30
Dibromomethane	<0.017		3.17	3.03		mg/Kg	☼	95	70 - 120	8	30
Dichlorodifluoromethane	<0.043	*+ F1	3.17	5.46	F1	mg/Kg	☼	172	40 - 159	2	30
Ethylbenzene	<0.012		3.17	3.09		mg/Kg	☼	97	70 - 123	4	30
Hexachlorobutadiene	<0.028		3.17	2.98		mg/Kg	☼	94	51 - 150	0	30
Isopropylbenzene	<0.024		3.17	3.27		mg/Kg	☼	103	70 - 126	4	30
Methyl tert-butyl ether	<0.025	*+	3.17	3.15		mg/Kg	☼	99	55 - 123	10	30
Methylene Chloride	<0.10		3.17	3.34		mg/Kg	☼	105	69 - 125	9	30
Naphthalene	<0.021		3.17	2.94		mg/Kg	☼	93	53 - 144	5	30
n-Butylbenzene	<0.025		3.17	2.88		mg/Kg	☼	91	68 - 125	3	30
N-Propylbenzene	<0.026		3.17	3.08		mg/Kg	☼	97	69 - 127	4	30
p-Isopropyltoluene	<0.023		3.17	3.13		mg/Kg	☼	99	70 - 125	5	30
sec-Butylbenzene	<0.025		3.17	3.19		mg/Kg	☼	101	70 - 123	4	30
Styrene	<0.024		3.17	3.17		mg/Kg	☼	100	70 - 120	5	30
tert-Butylbenzene	<0.025		3.17	3.26		mg/Kg	☼	103	70 - 121	3	30
Tetrachloroethene	<0.023		3.17	3.38		mg/Kg	☼	107	70 - 128	4	30
Toluene	0.016		3.17	3.08		mg/Kg	☼	97	70 - 125	4	30
trans-1,2-Dichloroethene	<0.022		3.17	3.58		mg/Kg	☼	113	70 - 125	6	30
trans-1,3-Dichloropropene	<0.023		3.17	2.50		mg/Kg	☼	79	62 - 128	7	30
Trichloroethene	<0.010		3.17	3.47		mg/Kg	☼	109	70 - 125	4	30
Trichlorofluoromethane	<0.027		3.17	3.54		mg/Kg	☼	112	55 - 128	4	30
Vinyl chloride	<0.017	F1	3.17	4.03	F1	mg/Kg	☼	127	64 - 126	5	30
Xylenes, Total	<0.014		6.34	6.13		mg/Kg	☼	97	70 - 125	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*
Dibromofluoromethane (Surr)	*104*		*75 - 120*
Toluene-d8 (Surr)	*96*		*75 - 120*

Lab Sample ID: MB 500-609250/7
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			07/14/21 10:50	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			07/14/21 10:50	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			07/14/21 10:50	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			07/14/21 10:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609250/7
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			07/14/21 10:50	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:50	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			07/14/21 10:50	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			07/14/21 10:50	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			07/14/21 10:50	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			07/14/21 10:50	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:50	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			07/14/21 10:50	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:50	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			07/14/21 10:50	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:50	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			07/14/21 10:50	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			07/14/21 10:50	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			07/14/21 10:50	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:50	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:50	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			07/14/21 10:50	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			07/14/21 10:50	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			07/14/21 10:50	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			07/14/21 10:50	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:50	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			07/14/21 10:50	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			07/14/21 10:50	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			07/14/21 10:50	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			07/14/21 10:50	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			07/14/21 10:50	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:50	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			07/14/21 10:50	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			07/14/21 10:50	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			07/14/21 10:50	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			07/14/21 10:50	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			07/14/21 10:50	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			07/14/21 10:50	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			07/14/21 10:50	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			07/14/21 10:50	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			07/14/21 10:50	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			07/14/21 10:50	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			07/14/21 10:50	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			07/14/21 10:50	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:50	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			07/14/21 10:50	1
Naphthalene	0.000419	J	0.0010	0.00033	mg/Kg			07/14/21 10:50	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:50	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			07/14/21 10:50	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:50	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			07/14/21 10:50	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:50	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			07/14/21 10:50	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			07/14/21 10:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609250/7
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00015		0.00025	0.00015	mg/Kg			07/14/21 10:50	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			07/14/21 10:50	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:50	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			07/14/21 10:50	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			07/14/21 10:50	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			07/14/21 10:50	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			07/14/21 10:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 126*		*07/14/21 10:50*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*07/14/21 10:50*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 120*		*07/14/21 10:50*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/14/21 10:50*	*1*

Lab Sample ID: LCS 500-609250/5
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0436		mg/Kg		87	70 - 125
1,1,1-Trichloroethane	0.0500	0.0478		mg/Kg		96	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0387		mg/Kg		77	62 - 140
1,1,2-Trichloroethane	0.0500	0.0441		mg/Kg		88	71 - 130
1,1-Dichloroethane	0.0500	0.0462		mg/Kg		92	70 - 125
1,1-Dichloroethene	0.0500	0.0536		mg/Kg		107	67 - 122
1,1-Dichloropropene	0.0500	0.0477		mg/Kg		95	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0436		mg/Kg		87	51 - 145
1,2,3-Trichloropropane	0.0500	0.0410		mg/Kg		82	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0440		mg/Kg		88	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0457		mg/Kg		91	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0321		mg/Kg		64	56 - 123
1,2-Dibromoethane	0.0500	0.0437		mg/Kg		87	70 - 125
1,2-Dichlorobenzene	0.0500	0.0463		mg/Kg		93	70 - 125
1,2-Dichloroethane	0.0500	0.0407		mg/Kg		81	68 - 127
1,2-Dichloropropane	0.0500	0.0429		mg/Kg		86	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0474		mg/Kg		95	70 - 123
1,3-Dichlorobenzene	0.0500	0.0473		mg/Kg		95	70 - 125
1,3-Dichloropropane	0.0500	0.0398		mg/Kg		80	62 - 136
1,4-Dichlorobenzene	0.0500	0.0478		mg/Kg		96	70 - 120
2,2-Dichloropropane	0.0500	0.0393		mg/Kg		79	58 - 139
2-Chlorotoluene	0.0500	0.0451		mg/Kg		90	70 - 125
4-Chlorotoluene	0.0500	0.0444		mg/Kg		89	68 - 124
Benzene	0.0500	0.0449		mg/Kg		90	70 - 120
Bromobenzene	0.0500	0.0479		mg/Kg		96	70 - 122
Bromochloromethane	0.0500	0.0465		mg/Kg		93	65 - 122
Bromodichloromethane	0.0500	0.0400		mg/Kg		80	69 - 120
Bromoform	0.0500	0.0398		mg/Kg		80	56 - 132
Bromomethane	0.0500	0.0584		mg/Kg		117	40 - 152

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609250/5
Matrix: Solid
Analysis Batch: 609250

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0482		mg/Kg		96	59 - 133
Chlorobenzene	0.0500	0.0468		mg/Kg		94	70 - 120
Chloroethane	0.0500	0.0529		mg/Kg		106	48 - 136
Chloroform	0.0500	0.0447		mg/Kg		89	70 - 120
Chloromethane	0.0500	0.0593		mg/Kg		119	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0467		mg/Kg		93	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0384		mg/Kg		77	64 - 127
Dibromochloromethane	0.0500	0.0424		mg/Kg		85	68 - 125
Dibromomethane	0.0500	0.0396		mg/Kg		79	70 - 120
Dichlorodifluoromethane	0.0500	0.0803	*+	mg/Kg		161	40 - 159
Ethylbenzene	0.0500	0.0477		mg/Kg		95	70 - 123
Hexachlorobutadiene	0.0500	0.0494		mg/Kg		99	51 - 150
Isopropylbenzene	0.0500	0.0493		mg/Kg		99	70 - 126
Methyl tert-butyl ether	0.0500	0.0409		mg/Kg		82	55 - 123
Methylene Chloride	0.0500	0.0446		mg/Kg		89	69 - 125
Naphthalene	0.0500	0.0404		mg/Kg		81	53 - 144
n-Butylbenzene	0.0500	0.0467		mg/Kg		93	68 - 125
N-Propylbenzene	0.0500	0.0468		mg/Kg		94	69 - 127
p-Isopropyltoluene	0.0500	0.0483		mg/Kg		97	70 - 125
sec-Butylbenzene	0.0500	0.0494		mg/Kg		99	70 - 123
Styrene	0.0500	0.0465		mg/Kg		93	70 - 120
tert-Butylbenzene	0.0500	0.0490		mg/Kg		98	70 - 121
Tetrachloroethene	0.0500	0.0546		mg/Kg		109	70 - 128
Toluene	0.0500	0.0464		mg/Kg		93	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0510		mg/Kg		102	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0365		mg/Kg		73	62 - 128
Trichloroethene	0.0500	0.0507		mg/Kg		101	70 - 125
Trichlorofluoromethane	0.0500	0.0582		mg/Kg		116	55 - 128
Vinyl chloride	0.0500	0.0599		mg/Kg		120	64 - 126
Xylenes, Total	0.100	0.0935		mg/Kg		94	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*75 - 126*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*97*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Sample ID: MB 500-609257/6
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			07/14/21 10:35	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			07/14/21 10:35	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			07/14/21 10:35	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			07/14/21 10:35	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			07/14/21 10:35	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609257/6
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			07/14/21 10:35	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			07/14/21 10:35	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			07/14/21 10:35	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			07/14/21 10:35	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:35	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			07/14/21 10:35	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:35	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			07/14/21 10:35	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:35	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			07/14/21 10:35	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			07/14/21 10:35	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			07/14/21 10:35	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:35	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:35	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			07/14/21 10:35	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			07/14/21 10:35	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			07/14/21 10:35	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			07/14/21 10:35	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:35	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			07/14/21 10:35	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			07/14/21 10:35	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			07/14/21 10:35	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			07/14/21 10:35	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			07/14/21 10:35	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:35	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			07/14/21 10:35	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			07/14/21 10:35	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			07/14/21 10:35	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			07/14/21 10:35	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			07/14/21 10:35	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			07/14/21 10:35	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			07/14/21 10:35	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			07/14/21 10:35	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			07/14/21 10:35	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			07/14/21 10:35	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			07/14/21 10:35	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			07/14/21 10:35	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:35	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			07/14/21 10:35	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			07/14/21 10:35	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:35	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			07/14/21 10:35	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:35	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			07/14/21 10:35	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			07/14/21 10:35	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			07/14/21 10:35	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			07/14/21 10:35	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			07/14/21 10:35	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			07/14/21 10:35	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609257/6
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			07/14/21 10:35	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			07/14/21 10:35	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			07/14/21 10:35	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			07/14/21 10:35	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			07/14/21 10:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*		*07/14/21 10:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*		*07/14/21 10:35*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*07/14/21 10:35*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*07/14/21 10:35*	*1*

Lab Sample ID: LCS 500-609257/4
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0505		mg/Kg		101	70 - 125
1,1,1-Trichloroethane	0.0500	0.0597		mg/Kg		119	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0374		mg/Kg		75	62 - 140
1,1,2-Trichloroethane	0.0500	0.0420		mg/Kg		84	71 - 130
1,1-Dichloroethane	0.0500	0.0548		mg/Kg		110	70 - 125
1,1-Dichloroethene	0.0500	0.0548		mg/Kg		110	67 - 122
1,1-Dichloropropene	0.0500	0.0542		mg/Kg		108	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0481		mg/Kg		96	51 - 145
1,2,3-Trichloropropane	0.0500	0.0387		mg/Kg		77	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0478		mg/Kg		96	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0517		mg/Kg		103	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0360		mg/Kg		72	56 - 123
1,2-Dibromoethane	0.0500	0.0408		mg/Kg		82	70 - 125
1,2-Dichlorobenzene	0.0500	0.0443		mg/Kg		89	70 - 125
1,2-Dichloroethane	0.0500	0.0562		mg/Kg		112	68 - 127
1,2-Dichloropropane	0.0500	0.0482		mg/Kg		96	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0534		mg/Kg		107	70 - 123
1,3-Dichlorobenzene	0.0500	0.0457		mg/Kg		91	70 - 125
1,3-Dichloropropane	0.0500	0.0447		mg/Kg		89	62 - 136
1,4-Dichlorobenzene	0.0500	0.0451		mg/Kg		90	70 - 120
2,2-Dichloropropane	0.0500	0.0549		mg/Kg		110	58 - 139
2-Chlorotoluene	0.0500	0.0504		mg/Kg		101	70 - 125
4-Chlorotoluene	0.0500	0.0493		mg/Kg		99	68 - 124
Benzene	0.0500	0.0499		mg/Kg		100	70 - 120
Bromobenzene	0.0500	0.0393		mg/Kg		79	70 - 122
Bromochloromethane	0.0500	0.0473		mg/Kg		95	65 - 122
Bromodichloromethane	0.0500	0.0439		mg/Kg		88	69 - 120
Bromoform	0.0500	0.0315		mg/Kg		63	56 - 132
Bromomethane	0.0500	0.0509		mg/Kg		102	40 - 152
Carbon tetrachloride	0.0500	0.0565		mg/Kg		113	59 - 133
Chlorobenzene	0.0500	0.0471		mg/Kg		94	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609257/4
Matrix: Solid
Analysis Batch: 609257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	0.0500	0.0573		mg/Kg		115	48 - 136
Chloroform	0.0500	0.0534		mg/Kg		107	70 - 120
Chloromethane	0.0500	0.0516		mg/Kg		103	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0495		mg/Kg		99	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0425		mg/Kg		85	64 - 127
Dibromochloromethane	0.0500	0.0357		mg/Kg		71	68 - 125
Dibromomethane	0.0500	0.0467		mg/Kg		93	70 - 120
Dichlorodifluoromethane	0.0500	0.0639		mg/Kg		128	40 - 159
Ethylbenzene	0.0500	0.0519		mg/Kg		104	70 - 123
Hexachlorobutadiene	0.0500	0.0584		mg/Kg		117	51 - 150
Isopropylbenzene	0.0500	0.0519		mg/Kg		104	70 - 126
Methyl tert-butyl ether	0.0500	0.0593		mg/Kg		119	55 - 123
Methylene Chloride	0.0500	0.0493		mg/Kg		99	69 - 125
Naphthalene	0.0500	0.0433		mg/Kg		87	53 - 144
n-Butylbenzene	0.0500	0.0608		mg/Kg		122	68 - 125
N-Propylbenzene	0.0500	0.0520		mg/Kg		104	69 - 127
p-Isopropyltoluene	0.0500	0.0577		mg/Kg		115	70 - 125
sec-Butylbenzene	0.0500	0.0570		mg/Kg		114	70 - 123
Styrene	0.0500	0.0471		mg/Kg		94	70 - 120
tert-Butylbenzene	0.0500	0.0553		mg/Kg		111	70 - 121
Tetrachloroethene	0.0500	0.0482		mg/Kg		96	70 - 128
Toluene	0.0500	0.0498		mg/Kg		100	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0525		mg/Kg		105	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0393		mg/Kg		79	62 - 128
Trichloroethene	0.0500	0.0460		mg/Kg		92	70 - 125
Trichlorofluoromethane	0.0500	0.0460		mg/Kg		92	55 - 128
Vinyl chloride	0.0500	0.0504		mg/Kg		101	64 - 126
Xylenes, Total	0.100	0.115		mg/Kg		115	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: WB-B-20, 8-9'
Lab Sample ID: 500-201854-1
Date Collected: 07/02/21 10:07
Matrix: Solid
Date Received: 07/03/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	607713	07/04/21 22:44	PFK	TAL CHI

Client Sample ID: WB-B-20, 8-9'
Lab Sample ID: 500-201854-1
Date Collected: 07/02/21 10:07
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			607700	07/02/21 10:07	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609250	07/14/21 17:59	JDD	TAL CHI

Client Sample ID: WB-B-19. 7-8'
Lab Sample ID: 500-201854-2
Date Collected: 07/02/21 10:35
Matrix: Solid
Date Received: 07/03/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	607713	07/04/21 22:44	PFK	TAL CHI

Client Sample ID: WB-B-19. 7-8'
Lab Sample ID: 500-201854-2
Date Collected: 07/02/21 10:35
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			607700	07/02/21 10:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609250	07/14/21 18:25	JDD	TAL CHI

Client Sample ID: WB-B-18, 7-8'
Lab Sample ID: 500-201854-3
Date Collected: 07/02/21 12:01
Matrix: Solid
Date Received: 07/03/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	607713	07/04/21 22:44	PFK	TAL CHI

Client Sample ID: WB-B-18, 7-8'
Lab Sample ID: 500-201854-3
Date Collected: 07/02/21 12:01
Matrix: Solid
Date Received: 07/03/21 09:30
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			607700	07/02/21 12:01	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609250	07/14/21 18:50	JDD	TAL CHI

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Client Sample ID: Trip Blank
Lab Sample ID: 500-201854-4
Date Collected: 07/02/21 00:00
Matrix: Solid
Date Received: 07/03/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			607700	07/02/21 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	609250	07/14/21 16:43	JDD	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201854-1
Project/Site: Community within the Corridor - 40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultar

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-201854

Sample Collector(s)		Title	Telephone # (incl area code)	Report To
Aileen Zebrowski	500-201854 COC	Staff Engineer	(262) 821-1171	Robert Reineke and Daniel Pelczar
Property Owner		Property Address	Telephone # (incl area code)	KSingh Project #
Community within the Corridor Limited Partnership		2758 N 33rd St		40443

I hereby certify that I received properly and disposed of the samples as noted below — Laboratory Name: **Eurofins-TestAmerica**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank. 0.6-0.4
Aileen Zebrowski	07/02/2021 1:37pm		If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	7-2-21 1700	SS 7/3/21 0910	

1 Specify groundwater (GW) soil (S), air (A) sludge (SL) surface water (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

	Date Collected	Time Collected	Samples: Type (1)	Samples: Device	Location/Description (2)	VOCs	SVOCs with PAHs	PAHs	RCRA Metals	PCBs	Pesticides & Herbicides	PFAs						Sample Condition: # / Type of Container: MeOH	HCL	H2SO4	Unpres	Other Comment
1	07/02/2021	10:07am	S	SS	WB-B-20, 8-9'	X												1			1	
2	↓	10:35am	↓	↓	WB-B-19, 7-8'	X												1			1	
3	↓	12:01pm	↓	↓	WB-B-18, 7-8'	X												1			1	
4					Trip Blank																	

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[ ] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By:
Accepted [ ] Y [ ] N
Signature

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-201854-1

Login Number: 201854
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	-0.4 samples not frozen
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-200774-1
Client Project/Site: Community Within the Corridor - West Block 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Authorized for release by:
6/21/2021 9:46:30 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

Review your project results through TotalAccess

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Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 500-200774-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-200774-1

Comments
No additional comments.

Receipt
The sample was received on 6/12/2021 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: RTS-3, 4'
Lab Sample ID: 500-200774-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.019	J	0.051	0.019	mg/Kg	50	☼	8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-200774-1	RTS-3, 4'	Solid	06/10/21 11:55	06/12/21 09:50	

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: RTS-3, 4'
Lab Sample ID: 500-200774-1
Date Collected: 06/10/21 11:55
Matrix: Solid
Date Received: 06/12/21 09:50
Percent Solids: 96.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.024		0.051	0.024	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,1,1-Trichloroethane	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,1,2,2-Tetrachloroethane	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,1,2-Trichloroethane	<0.018		0.051	0.018	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,1-Dichloroethane	<0.021		0.051	0.021	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,1-Dichloroethene	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,1-Dichloropropene	<0.015		0.051	0.015	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2,3-Trichlorobenzene	<0.024		0.051	0.024	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2,4-Trichlorobenzene	<0.018		0.051	0.018	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2,4-Trimethylbenzene	<0.018		0.051	0.018	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2-Dibromo-3-Chloropropane	<0.10		0.26	0.10	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2-Dibromoethane	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2-Dichlorobenzene	<0.017		0.051	0.017	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2-Dichloroethane	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,2-Dichloropropane	<0.022		0.051	0.022	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,3,5-Trimethylbenzene	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,3-Dichlorobenzene	<0.021		0.051	0.021	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,3-Dichloropropane	<0.019		0.051	0.019	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
1,4-Dichlorobenzene	<0.019		0.051	0.019	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
2,2-Dichloropropane	<0.023		0.051	0.023	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
2-Chlorotoluene	<0.016		0.051	0.016	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
4-Chlorotoluene	<0.018		0.051	0.018	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Benzene	<0.0075		0.013	0.0075	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Bromobenzene	<0.018		0.051	0.018	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Bromochloromethane	<0.022		0.051	0.022	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Bromodichloromethane	<0.019		0.051	0.019	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Bromoform	<0.025		0.051	0.025	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Bromomethane	<0.041		0.15	0.041	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Carbon tetrachloride	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Chlorobenzene	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Chloroethane	<0.026		0.051	0.026	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Chloroform	<0.019		0.10	0.019	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Chloromethane	<0.016		0.051	0.016	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
cis-1,2-Dichloroethene	<0.021		0.051	0.021	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
cis-1,3-Dichloropropene	<0.021		0.051	0.021	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Dibromochloromethane	<0.025		0.051	0.025	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Dibromomethane	<0.014		0.051	0.014	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Dichlorodifluoromethane	<0.035		0.15	0.035	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Ethylbenzene	<0.0094		0.013	0.0094	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Hexachlorobutadiene	<0.023		0.051	0.023	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Isopropyl ether	<0.014		0.051	0.014	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Isopropylbenzene	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Methyl tert-butyl ether	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Methylene Chloride	<0.084		0.26	0.084	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Naphthalene	<0.017		0.051	0.017	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
n-Butylbenzene	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
N-Propylbenzene	<0.021		0.051	0.021	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: RTS-3, 4'
Date Collected: 06/10/21 11:55
Date Received: 06/12/21 09:50

Lab Sample ID: 500-200774-1
Matrix: Solid
Percent Solids: 96.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.019		0.051	0.019	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
sec-Butylbenzene	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Styrene	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
tert-Butylbenzene	<0.020		0.051	0.020	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Tetrachloroethene	**0.019**	**J**	0.051	0.019	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Toluene	<0.0075		0.013	0.0075	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
trans-1,2-Dichloroethene	<0.018		0.051	0.018	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
trans-1,3-Dichloropropene	<0.019		0.051	0.019	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Trichloroethene	<0.0084		0.026	0.0084	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Trichlorofluoromethane	<0.022		0.051	0.022	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Vinyl chloride	<0.013		0.051	0.013	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50
Xylenes, Total	<0.011		0.026	0.011	mg/Kg	☼	06/10/21 11:55	06/18/21 15:23	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 126*	*06/10/21 11:55*	*06/18/21 15:23*	*50*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*	*06/10/21 11:55*	*06/18/21 15:23*	*50*
Dibromofluoromethane (Surr)	*105*		*75 - 120*	*06/10/21 11:55*	*06/18/21 15:23*	*50*
Toluene-d8 (Surr)	*97*		*75 - 120*	*06/10/21 11:55*	*06/18/21 15:23*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0060		0.017	0.0060	mg/Kg	☼	06/16/21 16:24	06/17/21 06:52	1
PCB-1221	<0.0075		0.017	0.0075	mg/Kg	☼	06/16/21 16:24	06/17/21 06:52	1
PCB-1232	<0.0074		0.017	0.0074	mg/Kg	☼	06/16/21 16:24	06/17/21 06:52	1
PCB-1242	<0.0056		0.017	0.0056	mg/Kg	☼	06/16/21 16:24	06/17/21 06:52	1
PCB-1248	<0.0067		0.017	0.0067	mg/Kg	☼	06/16/21 16:24	06/17/21 06:52	1
PCB-1254	<0.0037		0.017	0.0037	mg/Kg	☼	06/16/21 16:24	06/17/21 06:52	1
PCB-1260	<0.0083		0.017	0.0083	mg/Kg	☼	06/16/21 16:24	06/17/21 06:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*49 - 129*	*06/16/21 16:24*	*06/17/21 06:52*	*1*
DCB Decachlorobiphenyl	*77*		*37 - 121*	*06/16/21 16:24*	*06/17/21 06:52*	*1*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

GC/MS VOA

Prep Batch: 603828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200774-1	RTS-3, 4'	Total/NA	Solid	5035	
LB3 500-603828/20-A	Method Blank	Total/NA	Solid	5035	
LCS 500-603828/21-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 604598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-603828/20-A	Method Blank	Total/NA	Solid	8260B	603828
MB 500-604598/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-603828/21-A	Lab Control Sample	Total/NA	Solid	8260B	603828
LCS 500-604598/5	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 604839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200774-1	RTS-3, 4'	Total/NA	Solid	8260B	603828
MB 500-604839/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-604839/4	Lab Control Sample	Total/NA	Solid	8260B	

GC Semi VOA

Prep Batch: 604502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200774-1	RTS-3, 4'	Total/NA	Solid	3541	
MB 500-604502/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-604502/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 604551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200774-1	RTS-3, 4'	Total/NA	Solid	8082A	604502
MB 500-604502/1-A	Method Blank	Total/NA	Solid	8082A	604502
LCS 500-604502/2-A	Lab Control Sample	Total/NA	Solid	8082A	604502

General Chemistry

Analysis Batch: 604441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-200774-1	RTS-3, 4'	Total/NA	Solid	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-200774-1	RTS-3, 4'	108	93	105	97
LB3 500-603828/20-A	Method Blank	96	110	94	98
LCS 500-603828/21-A	Lab Control Sample	95	94	99	102
LCS 500-604598/5	Lab Control Sample	96	98	100	100
LCS 500-604839/4	Lab Control Sample	100	90	98	102
MB 500-604598/7	Method Blank	101	112	101	97
MB 500-604839/6	Method Blank	107	89	106	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(49-129)	(37-121)
500-200774-1	RTS-3, 4'	70	77
LCS 500-604502/2-A	Lab Control Sample	69	89
MB 500-604502/1-A	Method Blank	86	117

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-603828/20-A
Matrix: Solid
Analysis Batch: 604598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 603828

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2-Dibromoethane	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Bromodichloromethane	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Bromoform	<0.024		0.050	0.024	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Chloroform	<0.019		0.10	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-603828/20-A
Matrix: Solid
Analysis Batch: 604598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 603828

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Styrene	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		06/13/21 23:05	06/17/21 12:15	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		06/13/21 23:05	06/17/21 12:15	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*	*06/13/21 23:05*	*06/17/21 12:15*	*50*
4-Bromofluorobenzene (Surr)	*110*		*72 - 124*	*06/13/21 23:05*	*06/17/21 12:15*	*50*
Dibromofluoromethane (Surr)	*94*		*75 - 120*	*06/13/21 23:05*	*06/17/21 12:15*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*06/13/21 23:05*	*06/17/21 12:15*	*50*

Lab Sample ID: LCS 500-603828/21-A
Matrix: Solid
Analysis Batch: 604598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 603828

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.50	2.72		mg/Kg		109	70 - 125
1,1,1-Trichloroethane	2.50	2.74		mg/Kg		110	70 - 125
1,1,2,2-Tetrachloroethane	2.50	2.44		mg/Kg		98	62 - 140
1,1,2-Trichloroethane	2.50	2.41		mg/Kg		96	71 - 130
1,1-Dichloroethane	2.50	2.84		mg/Kg		114	70 - 125
1,1-Dichloroethene	2.50	2.26		mg/Kg		90	67 - 122
1,1-Dichloropropene	2.50	2.68		mg/Kg		107	70 - 121
1,2,3-Trichlorobenzene	2.50	2.62		mg/Kg		105	51 - 145
1,2,3-Trichloropropane	2.50	2.34		mg/Kg		94	50 - 133
1,2,4-Trichlorobenzene	2.50	2.71		mg/Kg		108	57 - 137
1,2,4-Trimethylbenzene	2.50	2.62		mg/Kg		105	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	2.08		mg/Kg		83	56 - 123
1,2-Dibromoethane	2.50	2.52		mg/Kg		101	70 - 125
1,2-Dichlorobenzene	2.50	2.55		mg/Kg		102	70 - 125
1,2-Dichloroethane	2.50	2.48		mg/Kg		99	68 - 127
1,2-Dichloropropane	2.50	2.83		mg/Kg		113	67 - 130
1,3,5-Trimethylbenzene	2.50	2.65		mg/Kg		106	70 - 123
1,3-Dichlorobenzene	2.50	2.61		mg/Kg		104	70 - 125
1,3-Dichloropropane	2.50	2.50		mg/Kg		100	62 - 136
1,4-Dichlorobenzene	2.50	2.54		mg/Kg		102	70 - 120
2,2-Dichloropropane	2.50	3.10		mg/Kg		124	58 - 139
2-Chlorotoluene	2.50	2.53		mg/Kg		101	70 - 125

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-603828/21-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 604598
Prep Batch: 603828

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	2.50	2.49		mg/Kg		99	68 - 124
Benzene	2.50	2.54		mg/Kg		102	70 - 120
Bromobenzene	2.50	2.50		mg/Kg		100	70 - 122
Bromochloromethane	2.50	2.50		mg/Kg		100	65 - 122
Bromodichloromethane	2.50	2.45		mg/Kg		98	69 - 120
Bromoform	2.50	2.35		mg/Kg		94	56 - 132
Bromomethane	2.50	2.01		mg/Kg		80	40 - 152
Carbon tetrachloride	2.50	2.40		mg/Kg		96	59 - 133
Chlorobenzene	2.50	2.56		mg/Kg		102	70 - 120
Chloroethane	2.50	2.32		mg/Kg		93	48 - 136
Chloroform	2.50	2.56		mg/Kg		102	70 - 120
Chloromethane	2.50	2.72		mg/Kg		109	56 - 152
cis-1,2-Dichloroethene	2.50	2.54		mg/Kg		101	70 - 125
cis-1,3-Dichloropropene	2.50	2.55		mg/Kg		102	64 - 127
Dibromochloromethane	2.50	2.36		mg/Kg		94	68 - 125
Dibromomethane	2.50	2.39		mg/Kg		96	70 - 120
Dichlorodifluoromethane	2.50	1.12		mg/Kg		45	40 - 159
Ethylbenzene	2.50	2.72		mg/Kg		109	70 - 123
Hexachlorobutadiene	2.50	3.30		mg/Kg		132	51 - 150
Isopropylbenzene	2.50	2.71		mg/Kg		108	70 - 126
Methyl tert-butyl ether	2.50	2.16		mg/Kg		86	55 - 123
Methylene Chloride	2.50	2.46		mg/Kg		98	69 - 125
Naphthalene	2.50	2.27		mg/Kg		91	53 - 144
n-Butylbenzene	2.50	2.75		mg/Kg		110	68 - 125
N-Propylbenzene	2.50	2.58		mg/Kg		103	69 - 127
p-Isopropyltoluene	2.50	2.65		mg/Kg		106	70 - 125
sec-Butylbenzene	2.50	2.76		mg/Kg		110	70 - 123
Styrene	2.50	2.60		mg/Kg		104	70 - 120
tert-Butylbenzene	2.50	2.62		mg/Kg		105	70 - 121
Tetrachloroethene	2.50	2.81		mg/Kg		112	70 - 128
Toluene	2.50	2.56		mg/Kg		102	70 - 125
trans-1,2-Dichloroethene	2.50	2.52		mg/Kg		101	70 - 125
trans-1,3-Dichloropropene	2.50	2.31		mg/Kg		92	62 - 128
Trichloroethene	2.50	2.55		mg/Kg		102	70 - 125
Trichlorofluoromethane	2.50	2.27		mg/Kg		91	55 - 128
Vinyl chloride	2.50	2.65		mg/Kg		106	64 - 126
Xylenes, Total	5.00	5.22		mg/Kg		104	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane (Surr)	*99*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-604598/7
Matrix: Solid
Analysis Batch: 604598

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			06/17/21 11:50	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			06/17/21 11:50	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			06/17/21 11:50	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			06/17/21 11:50	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			06/17/21 11:50	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			06/17/21 11:50	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			06/17/21 11:50	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			06/17/21 11:50	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			06/17/21 11:50	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			06/17/21 11:50	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			06/17/21 11:50	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			06/17/21 11:50	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			06/17/21 11:50	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			06/17/21 11:50	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			06/17/21 11:50	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			06/17/21 11:50	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			06/17/21 11:50	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			06/17/21 11:50	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			06/17/21 11:50	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			06/17/21 11:50	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			06/17/21 11:50	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			06/17/21 11:50	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			06/17/21 11:50	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			06/17/21 11:50	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			06/17/21 11:50	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			06/17/21 11:50	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			06/17/21 11:50	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			06/17/21 11:50	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			06/17/21 11:50	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			06/17/21 11:50	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			06/17/21 11:50	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			06/17/21 11:50	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			06/17/21 11:50	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			06/17/21 11:50	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			06/17/21 11:50	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			06/17/21 11:50	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			06/17/21 11:50	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			06/17/21 11:50	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			06/17/21 11:50	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			06/17/21 11:50	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			06/17/21 11:50	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			06/17/21 11:50	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			06/17/21 11:50	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			06/17/21 11:50	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			06/17/21 11:50	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			06/17/21 11:50	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			06/17/21 11:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-604598/7
Matrix: Solid
Analysis Batch: 604598

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			06/17/21 11:50	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			06/17/21 11:50	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			06/17/21 11:50	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			06/17/21 11:50	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			06/17/21 11:50	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			06/17/21 11:50	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			06/17/21 11:50	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			06/17/21 11:50	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			06/17/21 11:50	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			06/17/21 11:50	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			06/17/21 11:50	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			06/17/21 11:50	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			06/17/21 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*06/17/21 11:50*	*1*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*		*06/17/21 11:50*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*06/17/21 11:50*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*06/17/21 11:50*	*1*

Lab Sample ID: LCS 500-604598/5
Matrix: Solid
Analysis Batch: 604598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0459		mg/Kg		92	70 - 125
1,1,1-Trichloroethane	0.0500	0.0476		mg/Kg		95	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0445		mg/Kg		89	62 - 140
1,1,2-Trichloroethane	0.0500	0.0422		mg/Kg		84	71 - 130
1,1-Dichloroethane	0.0500	0.0502		mg/Kg		100	70 - 125
1,1-Dichloroethene	0.0500	0.0415		mg/Kg		83	67 - 122
1,1-Dichloropropene	0.0500	0.0482		mg/Kg		96	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0409		mg/Kg		82	51 - 145
1,2,3-Trichloropropane	0.0500	0.0410		mg/Kg		82	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0427		mg/Kg		85	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0460		mg/Kg		92	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0368		mg/Kg		74	56 - 123
1,2-Dibromoethane	0.0500	0.0452		mg/Kg		90	70 - 125
1,2-Dichlorobenzene	0.0500	0.0445		mg/Kg		89	70 - 125
1,2-Dichloroethane	0.0500	0.0439		mg/Kg		88	68 - 127
1,2-Dichloropropane	0.0500	0.0510		mg/Kg		102	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0470		mg/Kg		94	70 - 123
1,3-Dichlorobenzene	0.0500	0.0462		mg/Kg		92	70 - 125
1,3-Dichloropropane	0.0500	0.0443		mg/Kg		89	62 - 136
1,4-Dichlorobenzene	0.0500	0.0447		mg/Kg		89	70 - 120
2,2-Dichloropropane	0.0500	0.0542		mg/Kg		108	58 - 139
2-Chlorotoluene	0.0500	0.0457		mg/Kg		91	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-604598/5
Matrix: Solid
Analysis Batch: 604598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	0.0500	0.0442		mg/Kg		88	68 - 124
Benzene	0.0500	0.0454		mg/Kg		91	70 - 120
Bromobenzene	0.0500	0.0451		mg/Kg		90	70 - 122
Bromochloromethane	0.0500	0.0446		mg/Kg		89	65 - 122
Bromodichloromethane	0.0500	0.0438		mg/Kg		88	69 - 120
Bromoform	0.0500	0.0422		mg/Kg		84	56 - 132
Bromomethane	0.0500	0.0465		mg/Kg		93	40 - 152
Carbon tetrachloride	0.0500	0.0424		mg/Kg		85	59 - 133
Chlorobenzene	0.0500	0.0448		mg/Kg		90	70 - 120
Chloroethane	0.0500	0.0499		mg/Kg		100	48 - 136
Chloroform	0.0500	0.0448		mg/Kg		90	70 - 120
Chloromethane	0.0500	0.0558		mg/Kg		112	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0443		mg/Kg		89	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0446		mg/Kg		89	64 - 127
Dibromochloromethane	0.0500	0.0425		mg/Kg		85	68 - 125
Dibromomethane	0.0500	0.0419		mg/Kg		84	70 - 120
Dichlorodifluoromethane	0.0500	0.0264		mg/Kg		53	40 - 159
Ethylbenzene	0.0500	0.0479		mg/Kg		96	70 - 123
Hexachlorobutadiene	0.0500	0.0521		mg/Kg		104	51 - 150
Isopropylbenzene	0.0500	0.0483		mg/Kg		97	70 - 126
Methyl tert-butyl ether	0.0500	0.0374		mg/Kg		75	55 - 123
Methylene Chloride	0.0500	0.0432		mg/Kg		86	69 - 125
Naphthalene	0.0500	0.0369		mg/Kg		74	53 - 144
n-Butylbenzene	0.0500	0.0462		mg/Kg		92	68 - 125
N-Propylbenzene	0.0500	0.0463		mg/Kg		93	69 - 127
p-Isopropyltoluene	0.0500	0.0458		mg/Kg		92	70 - 125
sec-Butylbenzene	0.0500	0.0480		mg/Kg		96	70 - 123
Styrene	0.0500	0.0460		mg/Kg		92	70 - 120
tert-Butylbenzene	0.0500	0.0459		mg/Kg		92	70 - 121
Tetrachloroethene	0.0500	0.0488		mg/Kg		98	70 - 128
Toluene	0.0500	0.0450		mg/Kg		90	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0432		mg/Kg		86	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0412		mg/Kg		82	62 - 128
Trichloroethene	0.0500	0.0456		mg/Kg		91	70 - 125
Trichlorofluoromethane	0.0500	0.0429		mg/Kg		86	55 - 128
Vinyl chloride	0.0500	0.0521		mg/Kg		104	64 - 126
Xylenes, Total	0.100	0.0902		mg/Kg		90	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
Toluene-d8 (Surr)	*100*		*75 - 120*

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-604839/6
Matrix: Solid
Analysis Batch: 604839

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.00046		0.0010	0.00046	mg/Kg			06/18/21 10:29	1
1,1,1-Trichloroethane	<0.00038		0.0010	0.00038	mg/Kg			06/18/21 10:29	1
1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			06/18/21 10:29	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			06/18/21 10:29	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			06/18/21 10:29	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			06/18/21 10:29	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			06/18/21 10:29	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			06/18/21 10:29	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			06/18/21 10:29	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			06/18/21 10:29	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			06/18/21 10:29	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			06/18/21 10:29	1
1,2-Dibromoethane	<0.00039		0.0010	0.00039	mg/Kg			06/18/21 10:29	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			06/18/21 10:29	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			06/18/21 10:29	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			06/18/21 10:29	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			06/18/21 10:29	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			06/18/21 10:29	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			06/18/21 10:29	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			06/18/21 10:29	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			06/18/21 10:29	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			06/18/21 10:29	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			06/18/21 10:29	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			06/18/21 10:29	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			06/18/21 10:29	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			06/18/21 10:29	1
Bromodichloromethane	<0.00037		0.0010	0.00037	mg/Kg			06/18/21 10:29	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			06/18/21 10:29	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			06/18/21 10:29	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			06/18/21 10:29	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			06/18/21 10:29	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			06/18/21 10:29	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			06/18/21 10:29	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			06/18/21 10:29	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			06/18/21 10:29	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			06/18/21 10:29	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			06/18/21 10:29	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			06/18/21 10:29	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			06/18/21 10:29	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			06/18/21 10:29	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			06/18/21 10:29	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			06/18/21 10:29	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			06/18/21 10:29	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			06/18/21 10:29	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			06/18/21 10:29	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			06/18/21 10:29	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			06/18/21 10:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-604839/6
Matrix: Solid
Analysis Batch: 604839

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			06/18/21 10:29	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			06/18/21 10:29	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			06/18/21 10:29	1
Styrene	<0.00039		0.0010	0.00039	mg/Kg			06/18/21 10:29	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			06/18/21 10:29	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			06/18/21 10:29	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			06/18/21 10:29	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			06/18/21 10:29	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			06/18/21 10:29	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			06/18/21 10:29	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			06/18/21 10:29	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			06/18/21 10:29	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			06/18/21 10:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 126*		*06/18/21 10:29*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*06/18/21 10:29*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*06/18/21 10:29*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*06/18/21 10:29*	*1*

Lab Sample ID: LCS 500-604839/4
Matrix: Solid
Analysis Batch: 604839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0509		mg/Kg		102	70 - 125
1,1,1-Trichloroethane	0.0500	0.0486		mg/Kg		97	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0466		mg/Kg		93	62 - 140
1,1,2-Trichloroethane	0.0500	0.0512		mg/Kg		102	71 - 130
1,1-Dichloroethane	0.0500	0.0479		mg/Kg		96	70 - 125
1,1-Dichloroethene	0.0500	0.0487		mg/Kg		97	67 - 122
1,1-Dichloropropene	0.0500	0.0485		mg/Kg		97	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0543		mg/Kg		109	51 - 145
1,2,3-Trichloropropane	0.0500	0.0481		mg/Kg		96	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0526		mg/Kg		105	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0471		mg/Kg		94	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0479		mg/Kg		96	56 - 123
1,2-Dibromoethane	0.0500	0.0496		mg/Kg		99	70 - 125
1,2-Dichlorobenzene	0.0500	0.0498		mg/Kg		100	70 - 125
1,2-Dichloroethane	0.0500	0.0483		mg/Kg		97	68 - 127
1,2-Dichloropropane	0.0500	0.0472		mg/Kg		94	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0476		mg/Kg		95	70 - 123
1,3-Dichlorobenzene	0.0500	0.0493		mg/Kg		99	70 - 125
1,3-Dichloropropane	0.0500	0.0505		mg/Kg		101	62 - 136
1,4-Dichlorobenzene	0.0500	0.0489		mg/Kg		98	70 - 120
2,2-Dichloropropane	0.0500	0.0470		mg/Kg		94	58 - 139
2-Chlorotoluene	0.0500	0.0472		mg/Kg		94	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-604839/4
Matrix: Solid
Analysis Batch: 604839

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	0.0500	0.0473		mg/Kg		95	68 - 124
Benzene	0.0500	0.0497		mg/Kg		99	70 - 120
Bromobenzene	0.0500	0.0500		mg/Kg		100	70 - 122
Bromochloromethane	0.0500	0.0497		mg/Kg		99	65 - 122
Bromodichloromethane	0.0500	0.0471		mg/Kg		94	69 - 120
Bromoform	0.0500	0.0544		mg/Kg		109	56 - 132
Bromomethane	0.0500	0.0417		mg/Kg		83	40 - 152
Carbon tetrachloride	0.0500	0.0476		mg/Kg		95	59 - 133
Chlorobenzene	0.0500	0.0505		mg/Kg		101	70 - 120
Chloroethane	0.0500	0.0467		mg/Kg		93	48 - 136
Chloroform	0.0500	0.0479		mg/Kg		96	70 - 120
Chloromethane	0.0500	0.0553		mg/Kg		111	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0476		mg/Kg		95	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0486		mg/Kg		97	64 - 127
Dibromochloromethane	0.0500	0.0493		mg/Kg		99	68 - 125
Dibromomethane	0.0500	0.0472		mg/Kg		94	70 - 120
Dichlorodifluoromethane	0.0500	0.0634		mg/Kg		127	40 - 159
Ethylbenzene	0.0500	0.0492		mg/Kg		98	70 - 123
Hexachlorobutadiene	0.0500	0.0675		mg/Kg		135	51 - 150
Isopropylbenzene	0.0500	0.0470		mg/Kg		94	70 - 126
Methyl tert-butyl ether	0.0500	0.0452		mg/Kg		90	55 - 123
Methylene Chloride	0.0500	0.0488		mg/Kg		98	69 - 125
Naphthalene	0.0500	0.0458		mg/Kg		92	53 - 144
n-Butylbenzene	0.0500	0.0479		mg/Kg		96	68 - 125
N-Propylbenzene	0.0500	0.0482		mg/Kg		96	69 - 127
p-Isopropyltoluene	0.0500	0.0480		mg/Kg		96	70 - 125
sec-Butylbenzene	0.0500	0.0481		mg/Kg		96	70 - 123
Styrene	0.0500	0.0499		mg/Kg		100	70 - 120
tert-Butylbenzene	0.0500	0.0477		mg/Kg		95	70 - 121
Tetrachloroethene	0.0500	0.0585		mg/Kg		117	70 - 128
Toluene	0.0500	0.0510		mg/Kg		102	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0491		mg/Kg		98	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0470		mg/Kg		94	62 - 128
Trichloroethene	0.0500	0.0501		mg/Kg		100	70 - 125
Trichlorofluoromethane	0.0500	0.0504		mg/Kg		101	55 - 128
Vinyl chloride	0.0500	0.0546		mg/Kg		109	64 - 126
Xylenes, Total	0.100	0.0952		mg/Kg		95	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*
Dibromofluoromethane (Surr)	*98*		*75 - 120*
Toluene-d8 (Surr)	*102*		*75 - 120*

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-604502/1-A
Matrix: Solid
Analysis Batch: 604551

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0059		0.017	0.0059	mg/Kg		06/16/21 16:24	06/17/21 00:57	1
PCB-1221	<0.0073		0.017	0.0073	mg/Kg		06/16/21 16:24	06/17/21 00:57	1
PCB-1232	<0.0073		0.017	0.0073	mg/Kg		06/16/21 16:24	06/17/21 00:57	1
PCB-1242	<0.0055		0.017	0.0055	mg/Kg		06/16/21 16:24	06/17/21 00:57	1
PCB-1248	<0.0066		0.017	0.0066	mg/Kg		06/16/21 16:24	06/17/21 00:57	1
PCB-1254	<0.0036		0.017	0.0036	mg/Kg		06/16/21 16:24	06/17/21 00:57	1
PCB-1260	<0.0082		0.017	0.0082	mg/Kg		06/16/21 16:24	06/17/21 00:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*49 - 129*	*06/16/21 16:24*	*06/17/21 00:57*	*1*
DCB Decachlorobiphenyl	*117*		*37 - 121*	*06/16/21 16:24*	*06/17/21 00:57*	*1*

Lab Sample ID: LCS 500-604502/2-A
Matrix: Solid
Analysis Batch: 604551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604502

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.167	0.134		mg/Kg		80	57 - 120		
PCB-1260			0.167	0.149		mg/Kg		89	61 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*69*		*49 - 129*
DCB Decachlorobiphenyl	*89*		*37 - 121*

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: RTS-3, 4'
Lab Sample ID: 500-200774-1
Date Collected: 06/10/21 11:55
Matrix: Solid
Date Received: 06/12/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	604441	06/16/21 14:03	LWN	TAL CHI

Client Sample ID: RTS-3, 4'
Lab Sample ID: 500-200774-1
Date Collected: 06/10/21 11:55
Matrix: Solid
Date Received: 06/12/21 09:50
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			603828	06/10/21 11:55	WRE	TAL CHI
Total/NA	Analysis	8260B		50	604839	06/18/21 15:23	PMF	TAL CHI
Total/NA	Prep	3541			604502	06/16/21 16:24	JP1	TAL CHI
Total/NA	Analysis	8082A		1	604551	06/17/21 06:52	SS	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-200774-1
Project/Site: Community Within the Corridor - West Block
40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultants

500-200774 COC

5 DAY T A.T. FOR VOCs 500 200744

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

Sample Collector(s) Robert Reineke	Senior Engneer	Telephone # (incl area code) (262) 821-1171	Report To Robert Reineke and Daniel Pelczar
Property Owner Community Within the Corridor - West Block	Property Address 3212 W Center St 2727 N 32nd St and 2758 N 33rd St Milwaukee WI 53210	Telephone # (incl area code)	KSingh Project # 40443
I hereby certify that I received properly and disposed of the samples as noted below		Laboratory Name Eurofins-TestAmerica	
Relinquished By (Signature)	Date/Time 6/11/2021 3:10PM	Received By (Signature)	Temperature Blank 2.3
Relinquished By (Signature)	Date/Time 6-11-21 1700	Received By (Signature Paula Buckley 6/12/21 ETA CHI	If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.

1 Specify groundwater (GW) soil (S) air (A) sludge (SL) surface water (SW), etc
2 Sample description must clearly correlate the sample I D to the sampling location

Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	VOCs	PCBs											Sample Condition # / Type of Container MeOH	HCL	H2SO4	Unpres	--- Other Comment
1 6/10/2021	11 55 AM	S	Hand	RTS-3 4	x	x											1			2	5 day TAT for VOCs

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
☐ Dispose ☐ Return ☐ Retain for ____ (days) ☐ Other

DEPARTMENT USE ONLY

Split Samples Offered ☐ Y ☐ N Accepted By:
Accepted ☐ Y ☐ N
Signature

500-200774 Waybi

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-200774-1

Login Number: 200774
List Number: 1
Creator: Buckley, Paula M

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix G

Well Construction Forms / Development Forms

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name Community Within the Corridor West Block	**Local Grid Location of Well** ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	**Well Name** WB-MW-1
Facility License, Permit or Monitoring No. 02-41-587376	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ___° ___' ___" Long. ___° ___' ___" or	**Wis. Unique Well No.** VT467 — **DNR Well ID No.** ___
Facility ID 341333190	St. Plane 396542.8 ft. N, 2546412 ft. E. S/C/N	**Date Well Installed** 05 / 06 / 2021 (m m / d d / y y y y)
Type of Well Well Code 11 / MW	**Section Location of Waste/Source** SW 1/4 of NE 1/4 of Sec. 13, T. 7 N, R. 22 ☒ E ☐ W	**Well Installed By: Name (first, last) and Firm** Scott Klumb Soils and Engineering Services Inc.
Distance from Waste/ Source _____ ft. — **Enf. Stds. Apply** ☐	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	**Gov. Lot Number**

A. Protective pipe, top elevation 685.654 ft. MSL

B. Well casing, top elevation 685.362 ft. MSL

C. Land surface elevation 682.571 ft. MSL

D. Surface seal, bottom ___ ft. MSL or 0.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis, if required):
NA

E. Bentonite seal, top ___ ft. MSL or 0.0 ft.

F. Fine sand, top ___ ft. MSL or 7.0 ft.

G. Filter pack, top ___ ft. MSL or 8.0 ft.

H. Screen joint, top ___ ft. MSL or 9.25 ft.

I. Well bottom ___ ft. MSL or 24.25 ft.

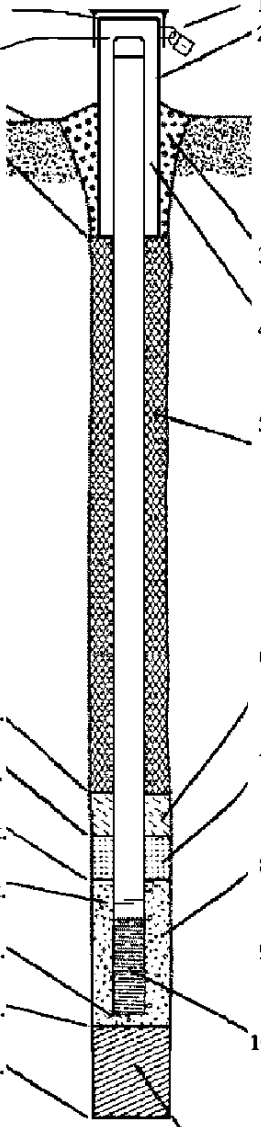
J. Filter pack, bottom ___ ft. MSL or 24.5 ft.

K. Borehole, bottom ___ ft. MSL or 24.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.049 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 3.0 in.
b. Length: 6.0 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ___

4. Material between well casing and protective pipe:
Red Flint #40 Bentonite ☐ 30 Other ☒ ___

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ___ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 2.1 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15 ___
b. Volume added 0.5 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40 ___
b. Volume added 5.5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ ___

10. Screen material: PVC ___
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 25.0 ft.

11. Backfill material (below filter pack): None ☐ 14
Red Flint #40 Other ☒ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	K. Singh & Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Community Within the Corridor West Block	Milwaukee	WB-MW-1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-587376	__	VT467 ___	___

1. Can this well be purged dry? ☒ Yes No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	61
surged with block and bailed	42
surged with block and pumped	62
surged with block, bailed and pumped	70
compressed air	20
bailed only	10
pumped only	51
pumped slowly	50
Other _____	

3. Time spent developing well ___15 min.

4. Depth of well (from top of well casisng) 24.25 ft.

5. Inside diameter of well __2.0 in.

6. Volume of water in filter pack and well casing ____ gal.

7. Volume of water removed from well __10.0 gal.

8. Volume of water added (if any) __0.__ gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __17.22 ft.	__25.86 ft.
Date	b. 06 / 22 / 2021 (m m d d y y y y)	06 / 22 / 2021 (m m d d y y y y)
Time	c. 12 : 35 ☒ a.m. ☐ p.m.	12 : 50 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.02 inches	___.__ inches
13. Water clarity	Clear 10 / Turbid ☒ 15 (Describe) Light Brown	Clear 20 / Turbid ☒ 25 (Describe) Light Brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Nicholas Last Name: Bach
Firm: K. Singh & Associates, Inc.

17. Additional comments on development:

Site Address: 3212 W. Center St., 2727 S. 32nd St., and 2758 N. 33rd St, Milwaukee, WI 53210

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Shane Last Name: Lafave
Facility/Firm: Roers Companies
Street: 110 Cheshire Lane, Suite 120
City/State/Zip: Minnetonka, MN 55305

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Nicholas Bach
Firm: K. Singh & Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name Community Within the Corridor West Block	**Local Grid Location of Well** ☐ N. _____ ft. ☐ S. ☐ E. _____ ft. ☐ W.	**Well Name** WB-MW-2
Facility License, Permit or Monitoring No. 02-41-587376	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ° ' " Long. ° ' " or	**Wis. Unique Well No.** VT468
Facility ID 341333190	St. Plane 396231.8 ft. N, 2546419 ft. E. S/C/N	**DNR Well ID No.**
Type of Well Well Code 11 / MW	**Section Location of Waste/Source** SW 1/4 of NE 1/4 of Sec. 13 , T. 7 N, R. 22 ☒ E ☐ W	**Date Well Installed** 05 / 06 / 2021 (m m / d d / y y y y)
Distance from Waste/ Source _____ ft. **Enf. Stds. Apply** ☐	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	**Gov. Lot Number** _____
		Well Installed By: Name (first, last) and Firm Scott Klumb Soils and Engineering Services Inc.

A. Protective pipe, top elevation 689.472 ft. MSL

B. Well casing, top elevation 689.159 ft. MSL

C. Land surface elevation 686.174 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.25 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis, if required):
NA

E. Bentonite seal, top _____ ft. MSL or 0.25 ft.

F. Fine sand, top _____ ft. MSL or 8.0 ft.

G. Filter pack, top _____ ft. MSL or 9.0 ft.

H. Screen joint, top _____ ft. MSL or 10.5 ft.

I. Well bottom _____ ft. MSL or 25.5 ft.

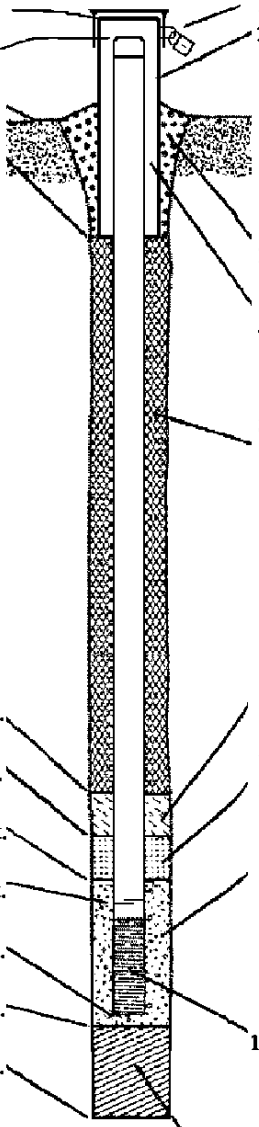
J. Filter pack, bottom _____ ft. MSL or 25.5 ft.

K. Borehole, bottom _____ ft. MSL or 25.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.049 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 3.0 in.
b. Length: 6.0 ft.
c. Material: Steel ☒ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒ ____
Red Flint #40
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 2.1 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 4.5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	K. Singh & Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Community Within the Corridor West Block	Milwaukee	WB-MW-2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-587376	__	VT468 ___	___

1. Can this well be purged dry? ☒ Yes No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	61
surged with block and bailed	42
surged with block and pumped	62
surged with block, bailed and pumped	70
compressed air	20
bailed only	10
pumped only	51
pumped slowly	50
Other _____	

3. Time spent developing well __ __ 20 min.

4. Depth of well (from top of well casisng) __ __ 25 . 5 ft.

5. Inside diameter of well __ 2 . 0 __ in.

6. Volume of water in filter pack and well casing __ __ __ . __ gal.

7. Volume of water removed from well __ __ 10 . 0 gal.

8. Volume of water added (if any) __ __ 0 . __ gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __ __ 23.53 __ ft.	__ __ 26 . 52 __ ft.
Date	b. 06 / 22 / 2021 (m m d d y y y y)	06 / 22 / 2021 (m m d d y y y y)
Time	c. __ 1 : 30 __ ☒ a.m. ☐ p.m.	__ 1 : 50 __ ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.05 inches	__ __ . __ inches
13. Water clarity	Clear 10 / Turbid ☒ 15 (Describe) Light Brown	Clear 20 / Turbid ☒ 25 (Describe) Light Brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	__ __ __ __ . __ mg/l	__ __ __ __ . __ mg/l
15. COD	__ __ __ __ . __ mg/l	__ __ __ __ . __ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Nicholas Last Name: Bach
Firm: K. Singh & Associates, Inc.

17. Additional comments on development:

Site Address: 3212 W. Center St., 2727 S. 32nd St., and 2758 N. 33rd St, Milwaukee, WI 53210

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Shane Last Name: Lafave
Facility/Firm: Roers Companies
Street: 110 Cheshire Lane, Suite 120
City/State/Zip: Minnetonka, MN 55305

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Nicholas Bach
Firm: K. Singh & Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name Community Within the Corridor West Block	**Local Grid Location of Well** ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	**Well Name** WB-MW-3
Facility License, Permit or Monitoring No. 02-41-587376	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ___° ___' ___" Long. ___° ___' ___" or	**Wis. Unique Well No.** VT469 — **DNR Well ID No.** ___
Facility ID 341333190	St. Plane 396310.8 ft. N, 2546661 ft. E. S/C/N	**Date Well Installed** 05 / 05 / 2021 (m m / d d / y y y y)
Type of Well Well Code 11 / MW	**Section Location of Waste/Source** SW 1/4 of NE 1/4 of Sec. 13, T. 7 N, R. 22 ☒ E ☐ W	**Well Installed By: Name (first, last) and Firm** Scott Klumb Soils and Engineering Services Inc.
Distance from Waste/ Source _____ ft. — **Enf. Stds. Apply** ☐	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known — **Gov. Lot Number** _____	

A. Protective pipe, top elevation 689.34 ft. MSL

B. Well casing, top elevation 688.968 ft. MSL

C. Land surface elevation 685.825 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis, if required):
NA

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 7.0 ft.

G. Filter pack, top _____ ft. MSL or 8.0 ft.

H. Screen joint, top _____ ft. MSL or 8.75 ft.

I. Well bottom _____ ft. MSL or 23.75 ft.

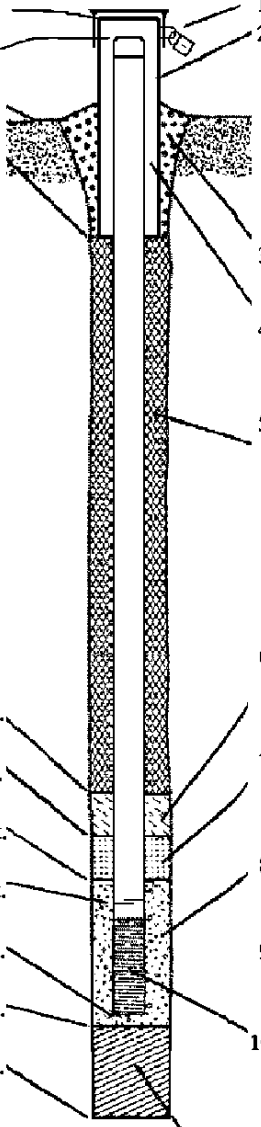
J. Filter pack, bottom _____ ft. MSL or 24.0 ft.

K. Borehole, bottom _____ ft. MSL or 24.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.049 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 3.0 in.
b. Length: 6.0 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30
Red Flint #40 Other ☒ ___
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 2.8 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15 ___
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40 ___
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ ___
10. Screen material: PVC ___
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☐ 14
Red Flint #40 Other ☒ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	K. Singh & Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Community Within the Corridor West Block	Milwaukee	WB-MW-3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-587376	__	VT469 ___	___

1. Can this well be purged dry? ☒ Yes No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	61
surged with block and bailed	42
surged with block and pumped	62
surged with block, bailed and pumped	70
compressed air	20
bailed only	10
pumped only	51
pumped slowly	50
Other _____	

3. Time spent developing well ___0 min.

4. Depth of well (from top of well casisng) 23.75 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing ___.__ gal.

7. Volume of water removed from well 0.0 gal.

8. Volume of water added (if any) 0.__ gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 0.0 ft.	0.0 ft.
Date	b. 06 / 22 / 2021 (m m d d y y y y)	06 / 22 / 2021
Time	c. 12 : 15 ☒ a.m. ☐ p.m.	12 : 20 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	___.__ inches
13. Water clarity	Clear 10 / Turbid 15 (Describe) NA	Clear 20 / Turbid 25 (Describe) NA
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Nicholas Last Name: Bach
Firm: K. Singh & Associates, Inc.

17. Additional comments on development:

Well is dry. Site Address: 3212 W. Center St., 2727 S. 32nd St., and 2758 N. 33rd St, Milwaukee, WI 53210.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Shane Last Name: Lafave
Facility/Firm: Roers Companies
Street: 110 Cheshire Lane, Suite 120
City/State/Zip: Minnetonka, MN 55305

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Nicholas Bach
Firm: K. Singh & Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name Community Within the Corridor West Block	**Local Grid Location of Well** ☐ N. _____ ft. ☐ S. ☐ E. _____ ft. ☐ W.	**Well Name** WB-MW-4
Facility License, Permit or Monitoring No. 02-41-587376	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ° ' " Long. ° ' " or	**Wis. Unique Well No.** WB117
Facility ID 341333190	St. Plane 396090.8 ft. N, 2546667 ft. E. S/C/N	**DNR Well ID No.**
Type of Well Well Code 11 / MW	**Section Location of Waste/Source** SW 1/4 of NE 1/4 of Sec. 13 , T. 7 N, R. 22 ☒ E ☐ W	**Date Well Installed** 05 / 05 / 2021 (m m / d d / y y y y)
Distance from Waste/ Source _____ ft. **Enf. Stds. Apply** ☐	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	**Gov. Lot Number** _____
		Well Installed By: Name (first, last) and Firm Scott Klumb Soils and Engineering Services Inc.

A. Protective pipe, top elevation 688.271 ft. MSL

B. Well casing, top elevation 687.942 ft. MSL

C. Land surface elevation 684.891 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis, if required):
NA

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 9.0 ft.

G. Filter pack, top _____ ft. MSL or 10.5 ft.

H. Screen joint, top _____ ft. MSL or 11.0 ft.

I. Well bottom _____ ft. MSL or 26.0 ft.

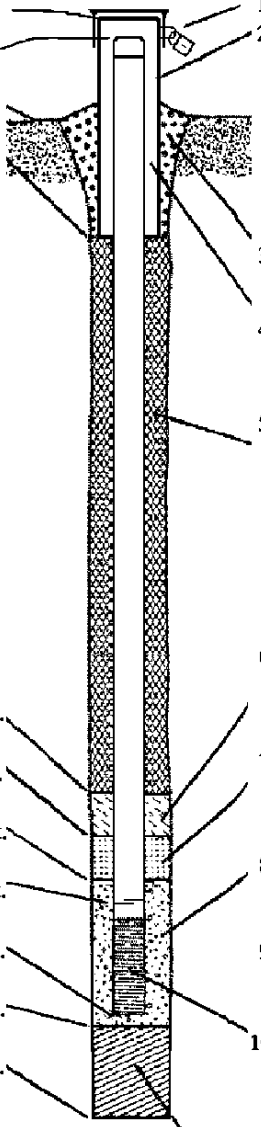
J. Filter pack, bottom _____ ft. MSL or 27.0 ft.

K. Borehole, bottom _____ ft. MSL or 27.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.049 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 3.0 in.
b. Length: 6.0 ft.
c. Material: Steel ☒ 04 Other ☐ ____
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒ ____
Red Flint #40
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 2.8 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ____
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ ____
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ____
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ☐ 14
Red Flint #40 Other ☒ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	K. Singh & Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Community Within the Corridor West Block	Milwaukee	WB-MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-587376	__	VT117 ___	___

1. Can this well be purged dry? ☒ Yes No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	61
surged with block and bailed	42
surged with block and pumped	62
surged with block, bailed and pumped	70
compressed air	20
bailed only	10
pumped only	51
pumped slowly	50
Other _____	

3. Time spent developing well 10 min.

4. Depth of well (from top of well casisng) 26.0 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing ____ gal.

7. Volume of water removed from well 0.5 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 27.14 ft.	28.29 ft.
Date	b. 06 / 22 / 2021 (m m d d y y y y)	06 / 22 / 2021 (m m d d y y y y)
Time	c. 11 : 50 ☒ a.m. ☐ p.m.	12 : 00 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0.62 inches	___ inches
13. Water clarity	Clear 10 / Turbid ☒ 15 (Describe) Light Brown	Clear 20 / Turbid ☒ 25 (Describe) Light Brown
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Nicholas Last Name: Bach
Firm: K. Singh & Associates, Inc.

17. Additional comments on development:

Site Address: 3212 W. Center St., 2727 S. 32nd St., and 2758 N. 33rd St, Milwaukee, WI 53210

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Shane Last Name: Lafave
Facility/Firm: Roers Companies
Street: 110 Cheshire Lane, Suite 120
City/State/Zip: Minnetonka, MN 55305

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Nicholas Bach
Firm: K. Singh & Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name Community Within the Corridor West Block	**Local Grid Location of Well** ☐ N. ☐ S. _____ ft. ☐ E. ☐ W. _____ ft.	**Well Name** WB-MW-5
Facility License, Permit or Monitoring No. 02-41-587376	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☐ Lat. ___° ___' ___" Long. ___° ___' ___" or	**Wis. Unique Well No.** WB138 ___ ___ ___
Facility ID 341333190 ___ ___ ___ ___	St. Plane 395943.8 ft. N, 2546610.5 ft. E. S/C/N	**DNR Well ID No.** ___ ___ ___
Type of Well Well Code 11 / MW	**Section Location of Waste/Source** SW 1/4 of NE 1/4 of Sec. 13 , T. 7 N, R. 22 ☒ E ☐ W	**Date Well Installed** 07 / 15 / 2021 m m d d y y y y
Distance from Waste/ Source _____ ft. **Enf. Stds. Apply** ☐	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	**Gov. Lot Number** _____
		Well Installed By: Name (first, last) and Firm Scott Klumb Soils and Engineering Services Inc.

A. Protective pipe, top elevation 679.213 ft. MSL

B. Well casing, top elevation 679.673 ft. MSL

C. Land surface elevation 679.673 ft. MSL

D. Surface seal, bottom ___ ft. MSL or 0.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis, if required):
NA

E. Bentonite seal, top ___ ft. MSL or 1' 6" ft.

F. Fine sand, top ___ ft. MSL or 11' 9" ft.

G. Filter pack, top ___ ft. MSL or 12' 10" ft.

H. Screen joint, top ___ ft. MSL or 14' 10" ft.

I. Well bottom ___ ft. MSL or 24' 10" ft.

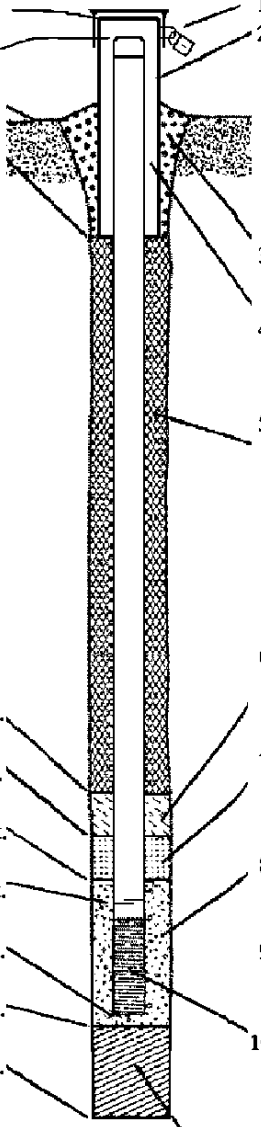
J. Filter pack, bottom ___ ft. MSL or 25 ft.

K. Borehole, bottom ___ ft. MSL or 25 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.049 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe: Flush Mount
a. Inside diameter: ___ in.
b. Length: 2.0 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☒ 30 Concrete ☐ 01 Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30
Red Flint #40 Other ☒ ___
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15 ___
b. Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40 ___
b. Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ ___
10. Screen material: PVC ___
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☐ 14
Red Flint #40 Other ☒ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	K. Singh & Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Community Within the Corridor West Block	Milwaukee	WB-MW-5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
02-41-587376	__	WB138__ __	___

1. Can this well be purged dry? ☒ Yes No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	61
surged with block and bailed	42
surged with block and pumped	62
surged with block, bailed and pumped	70
compressed air	20
bailed only	10
pumped only	51
pumped slowly	50
Other _____	

3. Time spent developing well __ __55__ min.

4. Depth of well (from top of well casisng) 24.83 __ __ . __ ft.

5. Inside diameter of well __2__.__0__ in.

6. Volume of water in filter pack and well casing __ __ __ . __ gal.

7. Volume of water removed from well __ __13__.__0__ gal.

8. Volume of water added (if any) __ __0__.__ gal.

9. Source of water added NA

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. __ __18.55__ ft.	__ __22__.__51__ ft.
Date	b. 07__/20__/2021__ __ (m m d d y y y y)	07__/20__/2021__ __ (m m d d y y y y)
Time	c. 09__:15__ ☒ a.m. ☐ p.m.	11__:00__ ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.09 inches	__ __ . __ inches
13. Water clarity	Clear 10 / Turbid ☒ 15 (Describe) Light Brown	Clear 20 / Turbid ☒ 25 (Describe) Light Brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	__ __ __ __ . __ mg/l	__ __ __ __ . __ mg/l
15. COD	__ __ __ __ . __ mg/l	__ __ __ __ . __ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Nicholas Last Name: Bach
Firm: K. Singh & Associates, Inc.

17. Additional comments on development:

Site Address: 3212 W. Center St., 2727 S. 32nd St., and 2758 N. 33rd St, Milwaukee, WI 53210

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Shane Last Name: Lafave
Facility/Firm: Roers Companies
Street: 110 Cheshire Lane, Suite 120
City/State/Zip: Minnetonka, MN 55305

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Nicholas Bach
Firm: K. Singh & Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

Appendix H

Groundwater Analytical Results

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-201693-1
Client Project/Site: Community Within the Corridor West Block 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Authorized for release by:
7/16/2021 10:51:55 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Job ID: 500-201693-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-201693-1

Comments
No additional comments.

Receipt
The samples were received on 7/1/2021 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8º C and 4.4º C.

GC/MS VOA
Method 8260B: Methylene chloride was detected in the following samples: WB-MW-1 (500-201693-1), WB-MW-2 (500-201693-2), WB-MW-4 (500-201693-3) and Trip Blank (500-201693-4). The method blank associated with these samples was below the reporting limit for Methylene chloride. Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

Method 8260B: The laboratory control sample (LCS) for 609058 recovered outside control limits for Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.WB-MW-1 (500-201693-1), WB-MW-2 (500-201693-2), WB-MW-4 (500-201693-3) and Trip Blank (500-201693-4)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: WB-MW-1 — Lab Sample ID: 500-201693-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.5		5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: WB-MW-2 — Lab Sample ID: 500-201693-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.5		5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: WB-MW-4 — Lab Sample ID: 500-201693-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.7		5.0	1.6	ug/L	1		8260B	Total/NA
Vinyl chloride	0.29	J	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 500-201693-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.5		5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-201693-1	WB-MW-1	Water	06/30/21 10:07	07/01/21 09:50	
500-201693-2	WB-MW-2	Water	06/30/21 10:40	07/01/21 09:50	
500-201693-3	WB-MW-4	Water	06/30/21 09:22	07/01/21 09:50	
500-201693-4	Trip Blank	Water	06/30/21 00:00	07/01/21 09:50	

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: WB-MW-1
Lab Sample ID: 500-201693-1
Date Collected: 06/30/21 10:07
Matrix: Water
Date Received: 07/01/21 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/13/21 12:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/13/21 12:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/13/21 12:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/13/21 12:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/13/21 12:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/13/21 12:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/13/21 12:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/13/21 12:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/13/21 12:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/13/21 12:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/13/21 12:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/13/21 12:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/13/21 12:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/13/21 12:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/13/21 12:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/13/21 12:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/13/21 12:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/13/21 12:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/13/21 12:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/13/21 12:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/13/21 12:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/13/21 12:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/13/21 12:21	1
Benzene	<0.15		0.50	0.15	ug/L			07/13/21 12:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/13/21 12:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/13/21 12:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/13/21 12:21	1
Bromoform	<0.48		1.0	0.48	ug/L			07/13/21 12:21	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/13/21 12:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/13/21 12:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/13/21 12:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/13/21 12:21	1
Chloroform	<0.37		2.0	0.37	ug/L			07/13/21 12:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/13/21 12:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/13/21 12:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/13/21 12:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/13/21 12:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/13/21 12:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/13/21 12:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/13/21 12:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/13/21 12:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/13/21 12:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 12:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/13/21 12:21	1
Methylene Chloride	**6.5**		5.0	1.6	ug/L			07/13/21 12:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/13/21 12:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 12:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/13/21 12:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/13/21 12:21	1

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: WB-MW-1
Lab Sample ID: 500-201693-1
Date Collected: 06/30/21 10:07
Matrix: Water
Date Received: 07/01/21 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 12:21	1
Styrene	<0.39		1.0	0.39	ug/L			07/13/21 12:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 12:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/13/21 12:21	1
Toluene	<0.15		0.50	0.15	ug/L			07/13/21 12:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/13/21 12:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/13/21 12:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/13/21 12:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/13/21 12:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/13/21 12:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/13/21 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*07/13/21 12:21*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*		*07/13/21 12:21*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*07/13/21 12:21*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*07/13/21 12:21*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: WB-MW-2
Lab Sample ID: 500-201693-2
Date Collected: 06/30/21 10:40
Matrix: Water
Date Received: 07/01/21 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/13/21 12:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/13/21 12:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/13/21 12:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/13/21 12:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/13/21 12:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/13/21 12:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/13/21 12:49	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/13/21 12:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/13/21 12:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/13/21 12:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/13/21 12:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/13/21 12:49	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/13/21 12:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/13/21 12:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/13/21 12:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/13/21 12:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/13/21 12:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/13/21 12:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/13/21 12:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/13/21 12:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/13/21 12:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/13/21 12:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/13/21 12:49	1
Benzene	<0.15		0.50	0.15	ug/L			07/13/21 12:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/13/21 12:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/13/21 12:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/13/21 12:49	1
Bromoform	<0.48		1.0	0.48	ug/L			07/13/21 12:49	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/13/21 12:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/13/21 12:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/13/21 12:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/13/21 12:49	1
Chloroform	<0.37		2.0	0.37	ug/L			07/13/21 12:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/13/21 12:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/13/21 12:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/13/21 12:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/13/21 12:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/13/21 12:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/13/21 12:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/13/21 12:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/13/21 12:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/13/21 12:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 12:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/13/21 12:49	1
Methylene Chloride	**6.5**		5.0	1.6	ug/L			07/13/21 12:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/13/21 12:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 12:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/13/21 12:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/13/21 12:49	1

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: WB-MW-2
Lab Sample ID: 500-201693-2
Date Collected: 06/30/21 10:40
Matrix: Water
Date Received: 07/01/21 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 12:49	1
Styrene	<0.39		1.0	0.39	ug/L			07/13/21 12:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 12:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/13/21 12:49	1
Toluene	<0.15		0.50	0.15	ug/L			07/13/21 12:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/13/21 12:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/13/21 12:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/13/21 12:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/13/21 12:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/13/21 12:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/13/21 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*07/13/21 12:49*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*07/13/21 12:49*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*07/13/21 12:49*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/13/21 12:49*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: WB-MW-4
Lab Sample ID: 500-201693-3
Date Collected: 06/30/21 09:22
Matrix: Water
Date Received: 07/01/21 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/13/21 13:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/13/21 13:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/13/21 13:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/13/21 13:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/13/21 13:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/13/21 13:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/13/21 13:17	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/13/21 13:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/13/21 13:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/13/21 13:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/13/21 13:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/13/21 13:17	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/13/21 13:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/13/21 13:17	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/13/21 13:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/13/21 13:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/13/21 13:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/13/21 13:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/13/21 13:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/13/21 13:17	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/13/21 13:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/13/21 13:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/13/21 13:17	1
Benzene	<0.15		0.50	0.15	ug/L			07/13/21 13:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/13/21 13:17	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/13/21 13:17	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/13/21 13:17	1
Bromoform	<0.48		1.0	0.48	ug/L			07/13/21 13:17	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/13/21 13:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/13/21 13:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/13/21 13:17	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/13/21 13:17	1
Chloroform	<0.37		2.0	0.37	ug/L			07/13/21 13:17	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/13/21 13:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/13/21 13:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/13/21 13:17	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/13/21 13:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/13/21 13:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/13/21 13:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/13/21 13:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/13/21 13:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/13/21 13:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 13:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/13/21 13:17	1
Methylene Chloride	**6.7**		5.0	1.6	ug/L			07/13/21 13:17	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/13/21 13:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 13:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/13/21 13:17	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/13/21 13:17	1

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: WB-MW-4
Lab Sample ID: 500-201693-3
Date Collected: 06/30/21 09:22
Matrix: Water
Date Received: 07/01/21 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 13:17	1
Styrene	<0.39		1.0	0.39	ug/L			07/13/21 13:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 13:17	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/13/21 13:17	1
Toluene	<0.15		0.50	0.15	ug/L			07/13/21 13:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/13/21 13:17	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/13/21 13:17	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/13/21 13:17	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/13/21 13:17	1
Vinyl chloride	**0.29**	**J**	1.0	0.20	ug/L			07/13/21 13:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/13/21 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*		*07/13/21 13:17*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 124*		*07/13/21 13:17*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*07/13/21 13:17*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*07/13/21 13:17*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: Trip Blank
Lab Sample ID: 500-201693-4
Date Collected: 06/30/21 00:00
Matrix: Water
Date Received: 07/01/21 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/13/21 13:45	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/13/21 13:45	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/13/21 13:45	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/13/21 13:45	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/13/21 13:45	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/13/21 13:45	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/13/21 13:45	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/13/21 13:45	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/13/21 13:45	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/13/21 13:45	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/13/21 13:45	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/13/21 13:45	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/13/21 13:45	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/13/21 13:45	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/13/21 13:45	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/13/21 13:45	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/13/21 13:45	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/13/21 13:45	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/13/21 13:45	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/13/21 13:45	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/13/21 13:45	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/13/21 13:45	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/13/21 13:45	1
Benzene	<0.15		0.50	0.15	ug/L			07/13/21 13:45	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/13/21 13:45	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/13/21 13:45	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/13/21 13:45	1
Bromoform	<0.48		1.0	0.48	ug/L			07/13/21 13:45	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/13/21 13:45	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/13/21 13:45	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/13/21 13:45	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/13/21 13:45	1
Chloroform	<0.37		2.0	0.37	ug/L			07/13/21 13:45	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/13/21 13:45	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/13/21 13:45	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/13/21 13:45	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/13/21 13:45	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/13/21 13:45	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/13/21 13:45	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/13/21 13:45	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/13/21 13:45	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/13/21 13:45	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 13:45	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/13/21 13:45	1
Methylene Chloride	**6.5**		5.0	1.6	ug/L			07/13/21 13:45	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/13/21 13:45	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 13:45	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/13/21 13:45	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/13/21 13:45	1

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: Trip Blank
Lab Sample ID: 500-201693-4
Date Collected: 06/30/21 00:00
Matrix: Water
Date Received: 07/01/21 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 13:45	1
Styrene	<0.39		1.0	0.39	ug/L			07/13/21 13:45	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 13:45	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/13/21 13:45	1
Toluene	<0.15		0.50	0.15	ug/L			07/13/21 13:45	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/13/21 13:45	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/13/21 13:45	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/13/21 13:45	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/13/21 13:45	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/13/21 13:45	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/13/21 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*07/13/21 13:45*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*07/13/21 13:45*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 120*		*07/13/21 13:45*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/13/21 13:45*	*1*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

GC/MS VOA

Analysis Batch: 609058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-201693-1	WB-MW-1	Total/NA	Water	8260B	
500-201693-2	WB-MW-2	Total/NA	Water	8260B	
500-201693-3	WB-MW-4	Total/NA	Water	8260B	
500-201693-4	Trip Blank	Total/NA	Water	8260B	
MB 500-609058/6	Method Blank	Total/NA	Water	8260B	
LCS 500-609058/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-201693-1	WB-MW-1	113	86	108	96
500-201693-2	WB-MW-2	110	87	106	98
500-201693-3	WB-MW-4	114	87	108	96
500-201693-4	Trip Blank	112	90	108	98
LCS 500-609058/4	Lab Control Sample	113	88	107	97
MB 500-609058/6	Method Blank	111	89	106	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-609058/6
Matrix: Water
Analysis Batch: 609058

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/13/21 10:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/13/21 10:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/13/21 10:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/13/21 10:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/13/21 10:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/13/21 10:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/13/21 10:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/13/21 10:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/13/21 10:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/13/21 10:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/13/21 10:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/13/21 10:30	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/13/21 10:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/13/21 10:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/13/21 10:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/13/21 10:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/13/21 10:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/13/21 10:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/13/21 10:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/13/21 10:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/13/21 10:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/13/21 10:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/13/21 10:30	1
Benzene	<0.15		0.50	0.15	ug/L			07/13/21 10:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/13/21 10:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/13/21 10:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/13/21 10:30	1
Bromoform	<0.48		1.0	0.48	ug/L			07/13/21 10:30	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/13/21 10:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/13/21 10:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/13/21 10:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/13/21 10:30	1
Chloroform	<0.37		2.0	0.37	ug/L			07/13/21 10:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/13/21 10:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/13/21 10:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/13/21 10:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/13/21 10:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/13/21 10:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/13/21 10:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/13/21 10:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/13/21 10:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/13/21 10:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 10:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/13/21 10:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/13/21 10:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/13/21 10:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/13/21 10:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/13/21 10:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-609058/6
Matrix: Water
Analysis Batch: 609058

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/13/21 10:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 10:30	1
Styrene	<0.39		1.0	0.39	ug/L			07/13/21 10:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/13/21 10:30	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/13/21 10:30	1
Toluene	<0.15		0.50	0.15	ug/L			07/13/21 10:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/13/21 10:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/13/21 10:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/13/21 10:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/13/21 10:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/13/21 10:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/13/21 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*		*07/13/21 10:30*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*		*07/13/21 10:30*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 120*		*07/13/21 10:30*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*07/13/21 10:30*	*1*

Lab Sample ID: LCS 500-609058/4
Matrix: Water
Analysis Batch: 609058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 125
1,1,1-Trichloroethane	50.0	59.4		ug/L		119	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.3		ug/L		83	62 - 140
1,1,2-Trichloroethane	50.0	46.5		ug/L		93	71 - 130
1,1-Dichloroethane	50.0	45.7		ug/L		91	70 - 125
1,1-Dichloroethene	50.0	51.7		ug/L		103	67 - 122
1,1-Dichloropropene	50.0	57.3		ug/L		115	70 - 121
1,2,3-Trichlorobenzene	50.0	38.3		ug/L		77	51 - 145
1,2,3-Trichloropropane	50.0	46.3		ug/L		93	50 - 133
1,2,4-Trichlorobenzene	50.0	42.6		ug/L		85	57 - 137
1,2,4-Trimethylbenzene	50.0	48.7		ug/L		97	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	46.8		ug/L		94	56 - 123
1,2-Dibromoethane	50.0	47.2		ug/L		94	70 - 125
1,2-Dichlorobenzene	50.0	46.3		ug/L		93	70 - 125
1,2-Dichloroethane	50.0	51.5		ug/L		103	68 - 127
1,2-Dichloropropane	50.0	42.6		ug/L		85	67 - 130
1,3,5-Trimethylbenzene	50.0	48.6		ug/L		97	70 - 123
1,3-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 125
1,3-Dichloropropane	50.0	50.0		ug/L		100	62 - 136
1,4-Dichlorobenzene	50.0	48.0		ug/L		96	70 - 120
2,2-Dichloropropane	50.0	56.1		ug/L		112	58 - 139
2-Chlorotoluene	50.0	46.4		ug/L		93	70 - 125
4-Chlorotoluene	50.0	47.1		ug/L		94	68 - 124
Benzene	50.0	51.9		ug/L		104	70 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-609058/4
Matrix: Water
Analysis Batch: 609058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	46.7		ug/L		93	70 - 122
Bromochloromethane	50.0	53.0		ug/L		106	65 - 122
Bromodichloromethane	50.0	52.8		ug/L		106	69 - 120
Bromoform	50.0	54.1		ug/L		108	56 - 132
Bromomethane	50.0	88.2	*+	ug/L		176	40 - 152
Carbon tetrachloride	50.0	63.5		ug/L		127	59 - 133
Chlorobenzene	50.0	47.6		ug/L		95	70 - 120
Chloroethane	50.0	50.0		ug/L		100	48 - 136
Chloroform	50.0	51.4		ug/L		103	70 - 120
Chloromethane	50.0	38.2		ug/L		76	56 - 152
cis-1,2-Dichloroethene	50.0	49.4		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	64 - 127
Dibromochloromethane	50.0	49.7		ug/L		99	68 - 125
Dibromomethane	50.0	55.2		ug/L		110	70 - 120
Dichlorodifluoromethane	50.0	62.8		ug/L		126	40 - 159
Ethylbenzene	50.0	48.6		ug/L		97	70 - 123
Hexachlorobutadiene	50.0	47.6		ug/L		95	51 - 150
Isopropylbenzene	50.0	48.8		ug/L		98	70 - 126
Methyl tert-butyl ether	50.0	51.8		ug/L		104	55 - 123
Methylene Chloride	50.0	46.9		ug/L		94	69 - 125
Naphthalene	50.0	36.5		ug/L		73	53 - 144
n-Butylbenzene	50.0	49.0		ug/L		98	68 - 125
N-Propylbenzene	50.0	47.9		ug/L		96	69 - 127
p-Isopropyltoluene	50.0	47.9		ug/L		96	70 - 125
sec-Butylbenzene	50.0	48.1		ug/L		96	70 - 123
Styrene	50.0	50.8		ug/L		102	70 - 120
tert-Butylbenzene	50.0	46.4		ug/L		93	70 - 121
Tetrachloroethene	50.0	54.0		ug/L		108	70 - 128
Toluene	50.0	48.5		ug/L		97	70 - 125
trans-1,2-Dichloroethene	50.0	50.7		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	50.9		ug/L		102	62 - 128
Trichloroethene	50.0	55.7		ug/L		111	70 - 125
Trichlorofluoromethane	50.0	63.8		ug/L		128	55 - 128
Vinyl chloride	50.0	47.1		ug/L		94	64 - 126
Xylenes, Total	100	99.6		ug/L		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*
Dibromofluoromethane (Surr)	*107*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Client Sample ID: WB-MW-1
Lab Sample ID: 500-201693-1
Date Collected: 06/30/21 10:07
Matrix: Water
Date Received: 07/01/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	609058	07/13/21 12:21	JDD	TAL CHI

Client Sample ID: WB-MW-2
Lab Sample ID: 500-201693-2
Date Collected: 06/30/21 10:40
Matrix: Water
Date Received: 07/01/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	609058	07/13/21 12:49	JDD	TAL CHI

Client Sample ID: WB-MW-4
Lab Sample ID: 500-201693-3
Date Collected: 06/30/21 09:22
Matrix: Water
Date Received: 07/01/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	609058	07/13/21 13:17	JDD	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-201693-4
Date Collected: 06/30/21 00:00
Matrix: Water
Date Received: 07/01/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	609058	07/13/21 13:45	JDD	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-201693-1
Project/Site: Community Within the Corridor West Block 40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-201693

Sample Collector(s) 500-201693 COC	Title	Telephone # (incl area code)	Report To
Nicholas Bach	Environmental Scientist	(262) 821 1171	Daniel Pelczar / Pratap Singh / Robert Reineke
Property Owner	Property Address	Telephone # (incl area code)	KSingh Project #
Community Within the Corridor West Block	2748 N 32nd St. Milwaukee WI		40443

I hereby certify that I received, properly and disposed of the samples as noted below

Laboratory Name **TestAmerica**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank. 4.4, 0.8
Nicholas Bach	6 30 21 1500		If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice" If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	6-30-21 1700	7/1/21 0930	

1 Specify groundwater (GW) soil (S) air (A), sludge (SL), surface water (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

	Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	VOCs	Sample Condition # / Type of Container MeOH	HCL	H2SO4	Unpres.	Other Comment
1 2	6/30/21	1007	GW	Bailer	WB-MW-1	x		3			
	6/30/21	1040	GW	Bailer	WB-MW 2	x		3			
			~~GW~~	~~Bailer~~	~~WB-MW 3~~ NB	x		3			
3 4	6/30/21	0922	GW	Bailer	WB-MW-4	x		3			
			GW		Trip Blank	x		1			

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[ ] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By
Accepted [ ] Y [ ] N
Signature

7/16/2021

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-201693-1

Login Number: 201693
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4,0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-202678-1
Client Project/Site: Community Within the Corridor - West Block 40443

For:
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Attn: Mr. Robert Reineke

Authorized for release by:
8/3/2021 2:13:14 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block 40443

Job ID: 500-202678-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-202678-1

Comments
No additional comments.

Receipt
The samples were received on 7/22/2021 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5
Lab Sample ID: 500-202678-1

No Detections.

Client Sample ID: Trip Blank
Lab Sample ID: 500-202678-2

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - West Block
40443

Job ID: 500-202678-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-202678-1	WB-MW-5	Ground Water	07/20/21 11:00	07/22/21 09:40
500-202678-2	Trip Blank	Water	07/20/21 00:00	07/22/21 09:40

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5
Lab Sample ID: 500-202678-1
Date Collected: 07/20/21 11:00
Matrix: Ground Water
Date Received: 07/22/21 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/21 11:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/21 11:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/21 11:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/21 11:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/21 11:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/21 11:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/21 11:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/21 11:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/21 11:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/21 11:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/21 11:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/21 11:55	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/21 11:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/21 11:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/21 11:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/21 11:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/21 11:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/21 11:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/21 11:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/21 11:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/21 11:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/21 11:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/21 11:55	1
Benzene	<0.15		0.50	0.15	ug/L			08/02/21 11:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/21 11:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/21 11:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/21 11:55	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/21 11:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/21 11:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/21 11:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/21 11:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/21 11:55	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/21 11:55	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/02/21 11:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/21 11:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/21 11:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/21 11:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/21 11:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/21 11:55	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/21 11:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/21 11:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/21 11:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/21 11:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/21 11:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/21 11:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/21 11:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/21 11:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/21 11:55	1

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5
Lab Sample ID: 500-202678-1
Date Collected: 07/20/21 11:00
Matrix: Ground Water
Date Received: 07/22/21 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/21 11:55	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/21 11:55	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/21 11:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/21 11:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/21 11:55	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/21 11:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/21 11:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/21 11:55	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/21 11:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/21 11:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/21 11:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/21 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*08/02/21 11:55*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*08/02/21 11:55*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 120*		*08/02/21 11:55*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*08/02/21 11:55*	*1*

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Trip Blank
Date Collected: 07/20/21 00:00
Date Received: 07/22/21 09:40

Lab Sample ID: 500-202678-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/21 11:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/21 11:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/21 11:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/21 11:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/21 11:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/21 11:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/21 11:05	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/21 11:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/21 11:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/21 11:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/21 11:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/21 11:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/21 11:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/21 11:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/21 11:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/21 11:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/21 11:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/21 11:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/21 11:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/21 11:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/21 11:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/21 11:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/21 11:05	1
Benzene	<0.15		0.50	0.15	ug/L			08/02/21 11:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/21 11:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/21 11:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/21 11:05	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/21 11:05	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/21 11:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/21 11:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/21 11:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/21 11:05	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/21 11:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/02/21 11:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/21 11:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/21 11:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/21 11:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/21 11:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/21 11:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/21 11:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/21 11:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/21 11:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/21 11:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/21 11:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/21 11:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			08/02/21 11:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/21 11:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/21 11:05	1

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: Trip Blank
Date Collected: 07/20/21 00:00
Date Received: 07/22/21 09:40

Lab Sample ID: 500-202678-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/21 11:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/21 11:05	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/21 11:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/21 11:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/21 11:05	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/21 11:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/21 11:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/21 11:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/21 11:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/21 11:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/21 11:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/21 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 126*		*08/02/21 11:05*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*08/02/21 11:05*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 120*		*08/02/21 11:05*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*08/02/21 11:05*	*1*

Definitions/Glossary

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

GC/MS VOA

Analysis Batch: 612151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202678-1	WB-MW-5	Total/NA	Ground Water	8260B	
500-202678-2	Trip Blank	Total/NA	Water	8260B	
MB 500-612151/7	Method Blank	Total/NA	Water	8260B	
LCS 500-612151/5	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-202678-1	WB-MW-5	92	90	101	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)	(75-120)
500-202678-2	Trip Blank	83	91	97	98
LCS 500-612151/5	Lab Control Sample	91	92	100	97
MB 500-612151/7	Method Blank	92	93	103	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-612151/7
Matrix: Water
Analysis Batch: 612151

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			08/02/21 10:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			08/02/21 10:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			08/02/21 10:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			08/02/21 10:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			08/02/21 10:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			08/02/21 10:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			08/02/21 10:39	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			08/02/21 10:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			08/02/21 10:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			08/02/21 10:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			08/02/21 10:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			08/02/21 10:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			08/02/21 10:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			08/02/21 10:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			08/02/21 10:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			08/02/21 10:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			08/02/21 10:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			08/02/21 10:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			08/02/21 10:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			08/02/21 10:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			08/02/21 10:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			08/02/21 10:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			08/02/21 10:39	1
Benzene	<0.15		0.50	0.15	ug/L			08/02/21 10:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			08/02/21 10:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			08/02/21 10:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			08/02/21 10:39	1
Bromoform	<0.48		1.0	0.48	ug/L			08/02/21 10:39	1
Bromomethane	<0.80		3.0	0.80	ug/L			08/02/21 10:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			08/02/21 10:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			08/02/21 10:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			08/02/21 10:39	1
Chloroform	<0.37		2.0	0.37	ug/L			08/02/21 10:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			08/02/21 10:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			08/02/21 10:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			08/02/21 10:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			08/02/21 10:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			08/02/21 10:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			08/02/21 10:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			08/02/21 10:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			08/02/21 10:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			08/02/21 10:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			08/02/21 10:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			08/02/21 10:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			08/02/21 10:39	1
Naphthalene	0.388	J	1.0	0.34	ug/L			08/02/21 10:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			08/02/21 10:39	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-612151/7
Matrix: Water
Analysis Batch: 612151

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			08/02/21 10:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			08/02/21 10:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/21 10:39	1
Styrene	<0.39		1.0	0.39	ug/L			08/02/21 10:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			08/02/21 10:39	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			08/02/21 10:39	1
Toluene	<0.15		0.50	0.15	ug/L			08/02/21 10:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			08/02/21 10:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			08/02/21 10:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			08/02/21 10:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			08/02/21 10:39	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			08/02/21 10:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			08/02/21 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*		*08/02/21 10:39*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*08/02/21 10:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 120*		*08/02/21 10:39*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*08/02/21 10:39*	*1*

Lab Sample ID: LCS 500-612151/5
Matrix: Water
Analysis Batch: 612151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.4		ug/L		89	70 - 125
1,1,1-Trichloroethane	50.0	49.4		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	50.0	41.6		ug/L		83	62 - 140
1,1,2-Trichloroethane	50.0	46.3		ug/L		93	71 - 130
1,1-Dichloroethane	50.0	44.8		ug/L		90	70 - 125
1,1-Dichloroethene	50.0	49.7		ug/L		99	67 - 122
1,1-Dichloropropene	50.0	46.4		ug/L		93	70 - 121
1,2,3-Trichlorobenzene	50.0	45.4		ug/L		91	51 - 145
1,2,3-Trichloropropane	50.0	44.6		ug/L		89	50 - 133
1,2,4-Trichlorobenzene	50.0	47.0		ug/L		94	57 - 137
1,2,4-Trimethylbenzene	50.0	46.3		ug/L		93	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.0		ug/L		72	56 - 123
1,2-Dibromoethane	50.0	45.6		ug/L		91	70 - 125
1,2-Dichlorobenzene	50.0	47.6		ug/L		95	70 - 125
1,2-Dichloroethane	50.0	43.8		ug/L		88	68 - 127
1,2-Dichloropropane	50.0	43.2		ug/L		86	67 - 130
1,3,5-Trimethylbenzene	50.0	46.4		ug/L		93	70 - 123
1,3-Dichlorobenzene	50.0	48.6		ug/L		97	70 - 125
1,3-Dichloropropane	50.0	41.8		ug/L		84	62 - 136
1,4-Dichlorobenzene	50.0	49.3		ug/L		99	70 - 120
2,2-Dichloropropane	50.0	40.7		ug/L		81	58 - 139
2-Chlorotoluene	50.0	44.4		ug/L		89	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-612151/5
Matrix: Water
Analysis Batch: 612151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	44.8		ug/L		90	68 - 124
Benzene	50.0	44.3		ug/L		89	70 - 120
Bromobenzene	50.0	49.8		ug/L		100	70 - 122
Bromochloromethane	50.0	48.8		ug/L		98	65 - 122
Bromodichloromethane	50.0	42.9		ug/L		86	69 - 120
Bromoform	50.0	44.2		ug/L		88	56 - 132
Bromomethane	50.0	59.3		ug/L		119	40 - 152
Carbon tetrachloride	50.0	50.5		ug/L		101	59 - 133
Chlorobenzene	50.0	46.6		ug/L		93	70 - 120
Chloroethane	50.0	47.4		ug/L		95	48 - 136
Chloroform	50.0	45.1		ug/L		90	70 - 120
Chloromethane	50.0	49.4		ug/L		99	56 - 152
cis-1,2-Dichloroethene	50.0	46.1		ug/L		92	70 - 125
cis-1,3-Dichloropropene	50.0	39.6		ug/L		79	64 - 127
Dibromochloromethane	50.0	45.7		ug/L		91	68 - 125
Dibromomethane	50.0	42.1		ug/L		84	70 - 120
Dichlorodifluoromethane	50.0	58.5		ug/L		117	40 - 159
Ethylbenzene	50.0	47.4		ug/L		95	70 - 123
Hexachlorobutadiene	50.0	50.0		ug/L		100	51 - 150
Isopropylbenzene	50.0	47.9		ug/L		96	70 - 126
Methyl tert-butyl ether	50.0	41.7		ug/L		83	55 - 123
Methylene Chloride	50.0	44.8		ug/L		90	69 - 125
Naphthalene	50.0	42.2		ug/L		84	53 - 144
n-Butylbenzene	50.0	46.4		ug/L		93	68 - 125
N-Propylbenzene	50.0	46.1		ug/L		92	69 - 127
p-Isopropyltoluene	50.0	48.1		ug/L		96	70 - 125
sec-Butylbenzene	50.0	48.4		ug/L		97	70 - 123
Styrene	50.0	47.5		ug/L		95	70 - 120
tert-Butylbenzene	50.0	47.9		ug/L		96	70 - 121
Tetrachloroethene	50.0	53.0		ug/L		106	70 - 128
Toluene	50.0	45.2		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	50.5		ug/L		101	70 - 125
trans-1,3-Dichloropropene	50.0	39.1		ug/L		78	62 - 128
Trichloroethene	50.0	50.3		ug/L		101	70 - 125
Trichlorofluoromethane	50.0	57.0		ug/L		114	55 - 128
Vinyl chloride	50.0	56.3		ug/L		113	64 - 126
Xylenes, Total	100	92.8		ug/L		93	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 120*
Toluene-d8 (Surr)	*97*		*75 - 120*

Lab Chronicle

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Client Sample ID: WB-MW-5
Lab Sample ID: 500-202678-1
Date Collected: 07/20/21 11:00
Matrix: Ground Water
Date Received: 07/22/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	612151	08/02/21 11:55	PMF	TAL CHI

Client Sample ID: Trip Blank
Lab Sample ID: 500-202678-2
Date Collected: 07/20/21 00:00
Matrix: Water
Date Received: 07/22/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	612151	08/02/21 11:05	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Job ID: 500-202678-1
Project/Site: Community Within the Corridor - West Block
40443

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

KSingh | Engineers Scientists Consultants

CHAIN OF CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

500-202678

500-202678 COC

Sample Collector(s)	Title	Telephone # (incl area code)	Report To
Nicholas Bach	Environmental Scientist	(262) 821-1171	Daniel Pelczar / Pratap Singh / Robert Reineke
Property Owner	**Property Address**	**Telephone # (incl area code)**	**KSingh Project #**
Community Within the Corridor - West Block	2748 N 32nd St. Milwaukee WI		40443

I hereby certify that I received properly and disposed of the samples as noted below

Laboratory Name **TestAmerica**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank: 2.7
Nicholas Bach		7/21/2021 8:38	If samples were received on ice and there was ice remaining you may report the temperature as "received on ice" If all of the ice was melted the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature) EA 7/21/2021 5400	Date/Time	Received By (Signature) 7/22/21 0940	

1 Specify groundwater (GW) soil (S) air (A) sludge (SL), surface water (SW) etc
2 Sample description must clearly correlate the sample I D to the sampling location

Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	VOCs	Sample Condition # / Type of Container MeOH	HCL	H2SO4	Unpres	Other Comment
7/20/2021	1100	GW	Bailer	WB-MW-5	x		3			
---	---	GW	---	Trip Blank	x		1			

1/2

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check)
[ ] Dispose [ ] Return [ ] Retain for _____ (days) [ ] Other

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By
Accepted [ ] Y [ ] N
Signature

Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-202678-1

Login Number: 202678
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins TestAmerica, Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix I

Sub-Slab Vapor Analytical Results

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

K. VANDERHEIDEN
K SINGH & ASSOCIATES
3636 N. 124TH STREET
MILWAUKEE. WI 53222

Report Date *11-Mar-21*

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121A
Sample ID WB-SS-1
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	14.1	ug/m3	0.299	0.95	1	TO-15		3/5/2021	CJR	1
Acrolein	0.44	ug/m3	0.094	0.299	1	TO-15		3/5/2021	CJR	1
Benzene	1.15	ug/m3	0.136	0.433	1	TO-15		3/5/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/5/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/5/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/5/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/5/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/5/2021	CJR	1
Carbon Disulfide	6.2	ug/m3	0.138	0.44	1	TO-15		3/5/2021	CJR	1
Carbon Tetrachloride	0.69 "J"	ug/m3	0.307	0.978	1	TO-15		3/5/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/5/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/5/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/5/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/5/2021	CJR	1
Cyclohexane	2.86	ug/m3	0.212	0.674	1	TO-15		3/5/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/5/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/5/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/5/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/5/2021	CJR	1
Dichlorodifluoromethane	3.8	ug/m3	0.263	0.836	1	TO-15		3/5/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/5/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/5/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/5/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/5/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/5/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121A
Sample ID WB-SS-1
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/5/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/5/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/5/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/5/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/5/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/5/2021	CJR	1
Ethanol	37	ug/m3	0.152	0.482	1	TO-15		3/5/2021	CJR	1
Ethyl Acetate	16.7	ug/m3	0.176	0.559	1	TO-15		3/5/2021	CJR	1
Ethylbenzene	0.82	ug/m3	0.203	0.645	1	TO-15		3/5/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/5/2021	CJR	1
Heptane	19.4	ug/m3	0.265	0.845	1	TO-15		3/5/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/5/2021	CJR	1
Hexane	8.7	ug/m3	0.235	0.748	1	TO-15		3/5/2021	CJR	1
2-Hexanone	0.74	ug/m3	0.222	0.707	1	TO-15		3/5/2021	CJR	1
Isopropyl Alcohol	7.3	ug/m3	0.109	0.347	1	TO-15		3/5/2021	CJR	1
Methyl ethyl ketone (MEK)	6.0	ug/m3	0.178	0.567	1	TO-15		3/5/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.98	ug/m3	0.168	0.536	1	TO-15		3/5/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/5/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/5/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/5/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/5/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/5/2021	CJR	1
Styrene	0.255 "J"	ug/m3	0.181	0.577	1	TO-15		3/5/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/5/2021	CJR	1
Tetrachloroethene	4.4	ug/m3	0.278	0.884	1	TO-15		3/5/2021	CJR	1
Tetrahydrofuran	0.85	ug/m3	0.131	0.417	1	TO-15		3/5/2021	CJR	1
Toluene	5.6	ug/m3	0.184	0.585	1	TO-15		3/5/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/5/2021	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		3/5/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/5/2021	CJR	1
Trichloroethene (TCE)	0.54 "J"	ug/m3	0.237	0.754	1	TO-15		3/5/2021	CJR	1
Trichlorofluoromethane	1.8	ug/m3	0.337	1.07	1	TO-15		3/5/2021	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		3/5/2021	CJR	1
1,2,4-Trimethylbenzene	0.49 "J"	ug/m3	0.283	0.899	1	TO-15		3/5/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/5/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/5/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/5/2021	CJR	1
m&p-Xylene	1.39	ug/m3	0.377	1.2	1	TO-15		3/5/2021	CJR	1
o-Xylene	0.61 "J"	ug/m3	0.218	0.695	1	TO-15		3/5/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121B
Sample ID WB-SS-2
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	4.9	ug/m3	0.299	0.95	1	TO-15		3/5/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/5/2021	CJR	1
Benzene	1.79	ug/m3	0.136	0.433	1	TO-15		3/5/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/5/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/5/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/5/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/5/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/5/2021	CJR	1
Carbon Disulfide	0.59	ug/m3	0.138	0.44	1	TO-15		3/5/2021	CJR	1
Carbon Tetrachloride	0.5 "J"	ug/m3	0.307	0.978	1	TO-15		3/5/2021	CJR	1
Chlorobenzene	20.8	ug/m3	0.251	0.798	1	TO-15		3/5/2021	CJR	1
Chloroethane	2.77	ug/m3	0.159	0.507	1	TO-15		3/5/2021	CJR	1
Chloroform	0.34 "J"	ug/m3	0.3	0.953	1	TO-15		3/5/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/5/2021	CJR	1
Cyclohexane	4.1	ug/m3	0.212	0.674	1	TO-15		3/5/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/5/2021	CJR	1
1,4-Dichlorobenzene	1.62	ug/m3	0.302	0.96	1	TO-15		3/5/2021	CJR	1
1,3-Dichlorobenzene	0.42 "J"	ug/m3	0.302	0.96	1	TO-15		3/5/2021	CJR	1
1,2-Dichlorobenzene	16.1	ug/m3	0.235	0.749	1	TO-15		3/5/2021	CJR	1
Dichlorodifluoromethane	2.87	ug/m3	0.263	0.836	1	TO-15		3/5/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/5/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/5/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/5/2021	CJR	1
cis-1,2-Dichloroethene	0.75	ug/m3	0.197	0.626	1	TO-15		3/5/2021	CJR	1
trans-1,2-Dichloroethene	1.15	ug/m3	0.231	0.734	1	TO-15		3/5/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/5/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/5/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/5/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/5/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/5/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/5/2021	CJR	1
Ethanol	19.1	ug/m3	0.152	0.482	1	TO-15		3/5/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/5/2021	CJR	1
Ethylbenzene	17.1	ug/m3	0.203	0.645	1	TO-15		3/5/2021	CJR	1
4-Ethyltoluene	5.1	ug/m3	0.214	0.681	1	TO-15		3/5/2021	CJR	1
Heptane	4.7	ug/m3	0.265	0.845	1	TO-15		3/5/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/5/2021	CJR	1
Hexane	340	ug/m3	2.35	7.48	10	TO-15		3/9/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/5/2021	CJR	1
Isopropyl Alcohol	3.8	ug/m3	0.109	0.347	1	TO-15		3/5/2021	CJR	1
Methyl ethyl ketone (MEK)	2.18	ug/m3	0.178	0.567	1	TO-15		3/5/2021	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/5/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/5/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/5/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121B
Sample ID WB-SS-2
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/5/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/5/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/5/2021	CJR	1
Styrene	0.298 "J"	ug/m3	0.181	0.577	1	TO-15		3/5/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/5/2021	CJR	1
Tetrachloroethene	5.9	ug/m3	0.278	0.884	1	TO-15		3/5/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/5/2021	CJR	1
Toluene	12.5	ug/m3	0.184	0.585	1	TO-15		3/5/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/5/2021	CJR	1
1,1,1-Trichloroethane	0.33 "J"	ug/m3	0.249	0.793	1	TO-15		3/5/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/5/2021	CJR	1
Trichloroethene (TCE)	1.77	ug/m3	0.237	0.754	1	TO-15		3/5/2021	CJR	1
Trichlorofluoromethane	1.69	ug/m3	0.337	1.07	1	TO-15		3/5/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		3/5/2021	CJR	1
1,2,4-Trimethylbenzene	6.6	ug/m3	0.283	0.899	1	TO-15		3/5/2021	CJR	1
1,3,5-Trimethylbenzene	3.4	ug/m3	0.232	0.739	1	TO-15		3/5/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/5/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/5/2021	CJR	1
m&p-Xylene	15.7	ug/m3	0.377	1.2	1	TO-15		3/5/2021	CJR	1
o-Xylene	8.0	ug/m3	0.218	0.695	1	TO-15		3/5/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121C
Sample ID WB-SS-3
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	305	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	10
Acrolein	0.94	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	3.7	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	14.6	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	0.97	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	2.62	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	0.9 "J"	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	0.96	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	6.1	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.62	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	0.56 "J"	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	34	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	170	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	10
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	3.6	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	0.74	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	6.5	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	42	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	8.5	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	32	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	96	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	6.4	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121C
Sample ID WB-SS-3
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	13.3	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	0.298 "J"	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	10.6	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	0.91	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	21.2	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	118	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	0.96	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	1.29	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	3.9	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	6.1	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	1.82	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	7.4	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	3.12	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121D
Sample ID WB-SS-4
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	57	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	1.85	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	9.4	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	3.4	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	0.78 "J"	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	2.86	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.87	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	283	ug/m3	1.52	4.82	10	TO-15		3/9/2021	CJR	1
Ethyl Acetate	1.62	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.61 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	1.8	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	1.83	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	15.5	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	14.1	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.57	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121D
Sample ID WB-SS-4
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	24.7	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	1.24	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	6.8	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	6.5	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	380	ug/m3	2.37	7.54	10	TO-15		3/9/2021	CJR	1
Trichlorofluoromethane	3.3	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	2.07	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.44 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	2.17	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.87	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121E
Sample ID WB-SS-5
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	9.3	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	0.6	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	2.36	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	0.28 "J"	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	0.5 "J"	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	1.61 "J"	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.55 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.62	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	32	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.39 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	1.1	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	34	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	3.5	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	3.4	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	< 0.168	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121E
Sample ID WB-SS-5
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	127	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	6.4	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	3.6	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	1.12	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	1.29	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.283	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.43 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121F
Sample ID WB-SS-6
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	14.8	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	0.42 "J"	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	2.68	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	0.88 "J"	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.241 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	179	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	10
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.61 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	0.9	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	2.64	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	0.33 "J"	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	14.8	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	2.15	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.86	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121F
Sample ID WB-SS-6
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	80	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	5.2	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	1.25	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	2.13	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.64 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1.17 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.52 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121G
Sample ID WB-SS-7
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	48	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	1.05	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	2.24	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	10.3	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	0.97	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.41 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.52	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	0.4 "J"	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	102	ug/m3	5.0616	16.0506	33	TO-15		3/10/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.65	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	1.92	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	1.62	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	1.43	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	25.5	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	12.9	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.88	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121G
Sample ID WB-SS-7
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	4700	ug/m3	9.2574	29.4372	33	TO-15		3/10/2021	CJR	1
Tetrahydrofuran	1.15	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	7.0	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	297	ug/m3	8.291699	26.4069	33	TO-15		3/10/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	111	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	7.8	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	3.8	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.83 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1.56	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.74	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121H
Sample ID WB-SS-8
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	15.1	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	0.96	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	1.93	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.77	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	12.6	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.39 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	1.27	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	2.36	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	1.67	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	43	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.98	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121H
Sample ID WB-SS-8
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	5.9	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	12.2	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	23.2	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	3.9	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	0.86	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	1.97	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.54 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	0.74 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.35 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121I
Sample ID WB-SS-9
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	39	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	0.62	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	5.4	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	15.6	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.59 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.82	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	45	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	1
Ethyl Acetate	1.48	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	1.04	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	27.4	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	38	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	8.6	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	13.5	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.15	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121I
Sample ID WB-SS-9
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	0.213 "J"	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	9.6	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	2.59	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	11.7	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	1.41	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	2.89	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	1.74	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.44 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	0.46 "J"	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1.21	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.65 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121J
Sample ID WB-SS-10
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	15.6	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	0.32 "J"	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	1.12	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.72	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	27.7	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	< 0.265	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	0.74 "J"	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	5.7	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	6.1	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.78	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121J
Sample ID WB-SS-10
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	12.8	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	9.8	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	5.4	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	0.92	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	3.7	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	7	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.49 "J"	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	0.56 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.303 "J"	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121K
Sample ID WB-SS-11
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	41	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	0.48	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	0.54 "J"	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	19.8	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	9	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	0.38 "J"	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	5.6	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	81	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	2.13	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	67	ug/m3	5.0616	16.0506	33	TO-15		3/10/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	0.39 "J"	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	2.55	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	0.65 "J"	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	1.2	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	1.6	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	15	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	8.6	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.96	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121K
Sample ID WB-SS-11
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	15.5	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	6.1	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	3300	ug/m3	3.291699	26.4069	33	TO-15		3/10/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	26.9	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	2.47	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	0.46 "J"	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	19.2	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	11.7	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1 "J"	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	1	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121L
Sample ID WB-SS-12
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	71	ug/m3	0.299	0.95	1	TO-15		3/6/2021	CJR	1
Acrolein	0.76	ug/m3	0.094	0.299	1	TO-15		3/6/2021	CJR	1
Benzene	1.69	ug/m3	0.136	0.433	1	TO-15		3/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/6/2021	CJR	1
Carbon Disulfide	3.4	ug/m3	0.138	0.44	1	TO-15		3/6/2021	CJR	1
Carbon Tetrachloride	0.76 "J"	ug/m3	0.307	0.978	1	TO-15		3/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/6/2021	CJR	1
Chloroethane	0.84	ug/m3	0.159	0.507	1	TO-15		3/6/2021	CJR	1
Chloroform	0.44 "J"	ug/m3	0.3	0.953	1	TO-15		3/6/2021	CJR	1
Chloromethane	4.7	ug/m3	0.831	2.64	1	TO-15		3/6/2021	CJR	1
Cyclohexane	1.17	ug/m3	0.212	0.674	1	TO-15		3/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/6/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		3/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/6/2021	CJR	1
1,1-Dichloroethene	0.277 "J"	ug/m3	0.21	0.668	1	TO-15		3/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/6/2021	CJR	1
Ethanol	83	ug/m3	0.152	0.482	1	TO-15		3/6/2021	CJR	10
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/6/2021	CJR	1
Ethylbenzene	1.17	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		3/6/2021	CJR	1
Heptane	4.5	ug/m3	0.265	0.845	1	TO-15		3/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/6/2021	CJR	1
Hexane	3.9	ug/m3	0.235	0.748	1	TO-15		3/6/2021	CJR	1
2-Hexanone	2.41	ug/m3	0.222	0.707	1	TO-15		3/6/2021	CJR	1
Isopropyl Alcohol	12.6	ug/m3	0.109	0.347	1	TO-15		3/6/2021	CJR	1
Methyl ethyl ketone (MEK)	17.4	ug/m3	0.178	0.567	1	TO-15		3/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	3.07	ug/m3	0.168	0.536	1	TO-15		3/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121L
Sample ID WB-SS-12
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/6/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/6/2021	CJR	1
Tetrachloroethene	3.5	ug/m3	0.278	0.884	1	TO-15		3/6/2021	CJR	1
Tetrahydrofuran	12.1	ug/m3	0.131	0.417	1	TO-15		3/6/2021	CJR	1
Toluene	12.9	ug/m3	0.184	0.585	1	TO-15		3/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/6/2021	CJR	1
1,1,1-Trichloroethane	34	ug/m3	0.249	0.793	1	TO-15		3/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/6/2021	CJR	1
Trichloroethene (TCE)	2.2	ug/m3	0.237	0.754	1	TO-15		3/6/2021	CJR	1
Trichlorofluoromethane	27.8	ug/m3	0.337	1.07	1	TO-15		3/6/2021	CJR	1
Trichlorotrifluoroethane	< 0.402	ug/m3	0.402	1.28	1	TO-15		3/6/2021	CJR	1
1,2,4-Trimethylbenzene	0.98	ug/m3	0.283	0.899	1	TO-15		3/6/2021	CJR	1
1,3,5-Trimethylbenzene	0.39 "J"	ug/m3	0.232	0.739	1	TO-15		3/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/6/2021	CJR	1
Vinyl Chloride	0.64	ug/m3	0.148	0.472	1	TO-15		3/6/2021	CJR	1
m&p-Xylene	1.95	ug/m3	0.377	1.2	1	TO-15		3/6/2021	CJR	1
o-Xylene	0.87	ug/m3	0.218	0.695	1	TO-15		3/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121M
Sample ID WB-SS-13
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	20.5	ug/m3	0.299	0.95	1	TO-15		3/9/2021	CJR	1
Acrolein	0.41	ug/m3	0.094	0.299	1	TO-15		3/9/2021	CJR	1
Benzene	1.18	ug/m3	0.136	0.433	1	TO-15		3/9/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/9/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/9/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/9/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/9/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/9/2021	CJR	1
Carbon Disulfide	0.218 "J"	ug/m3	0.138	0.44	1	TO-15		3/9/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/9/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/9/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/9/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/9/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/9/2021	CJR	1
Cyclohexane	1.45	ug/m3	0.212	0.674	1	TO-15		3/9/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/9/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/9/2021	CJR	1
1,3-Dichlorobenzene	0.36 "J"	ug/m3	0.302	0.96	1	TO-15		3/9/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/9/2021	CJR	1
Dichlorodifluoromethane	1.04	ug/m3	0.263	0.836	1	TO-15		3/9/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/9/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/9/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/9/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/9/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/9/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/9/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/9/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/9/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/9/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/9/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/9/2021	CJR	1
Ethanol	43	ug/m3	0.152	0.482	1	TO-15		3/9/2021	CJR	1
Ethyl Acetate	4.6	ug/m3	0.176	0.559	1	TO-15		3/9/2021	CJR	1
Ethylbenzene	0.87	ug/m3	0.203	0.645	1	TO-15		3/9/2021	CJR	1
4-Ethyltoluene	0.49 "J"	ug/m3	0.214	0.681	1	TO-15		3/9/2021	CJR	1
Heptane	5.7	ug/m3	0.265	0.845	1	TO-15		3/9/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/9/2021	CJR	1
Hexane	6.3	ug/m3	0.235	0.748	1	TO-15		3/9/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/9/2021	CJR	1
Isopropyl Alcohol	8.7	ug/m3	0.109	0.347	1	TO-15		3/9/2021	CJR	1
Methyl ethyl ketone (MEK)	6.7	ug/m3	0.178	0.567	1	TO-15		3/9/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.53 "J"	ug/m3	0.168	0.536	1	TO-15		3/9/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/9/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/9/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121M
Sample ID WB-SS-13
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/9/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/9/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/9/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		3/9/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/9/2021	CJR	1
Tetrachloroethene	1.09	ug/m3	0.278	0.884	1	TO-15		3/9/2021	CJR	1
Tetrahydrofuran	2.86	ug/m3	0.131	0.417	1	TO-15		3/9/2021	CJR	1
Toluene	9.1	ug/m3	0.184	0.585	1	TO-15		3/9/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/9/2021	CJR	1
1,1,1-Trichloroethane	7.9	ug/m3	0.249	0.793	1	TO-15		3/9/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/9/2021	CJR	1
Trichloroethene (TCE)	2.62	ug/m3	0.237	0.754	1	TO-15		3/9/2021	CJR	1
Trichlorofluoromethane	11.2	ug/m3	0.337	1.07	1	TO-15		3/9/2021	CJR	1
Trichlorotrifluoroethane	< 0.402	ug/m3	0.402	1.28	1	TO-15		3/9/2021	CJR	1
1,2,4-Trimethylbenzene	5.5	ug/m3	0.283	0.899	1	TO-15		3/9/2021	CJR	1
1,3,5-Trimethylbenzene	1.67	ug/m3	0.232	0.739	1	TO-15		3/9/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/9/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/9/2021	CJR	1
m&p-Xylene	1.91	ug/m3	0.377	1.2	1	TO-15		3/9/2021	CJR	1
o-Xylene	1.3	ug/m3	0.218	0.695	1	TO-15		3/9/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121N
Sample ID WB-SS-14
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	9.5	ug/m3	0.299	0.95	1	TO-15		3/9/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		3/9/2021	CJR	1
Benzene	0.86	ug/m3	0.136	0.433	1	TO-15		3/9/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		3/9/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		3/9/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		3/9/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		3/9/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		3/9/2021	CJR	1
Carbon Disulfide	2.18	ug/m3	0.138	0.44	1	TO-15		3/9/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		3/9/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		3/9/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		3/9/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		3/9/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		3/9/2021	CJR	1
Cyclohexane	3.3	ug/m3	0.212	0.674	1	TO-15		3/9/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		3/9/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/9/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		3/9/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		3/9/2021	CJR	1
Dichlorodifluoromethane	1.53	ug/m3	0.263	0.836	1	TO-15		3/9/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		3/9/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		3/9/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		3/9/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		3/9/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		3/9/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		3/9/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		3/9/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		3/9/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		3/9/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		3/9/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		3/9/2021	CJR	1
Ethanol	29.7	ug/m3	0.152	0.482	1	TO-15		3/9/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		3/9/2021	CJR	1
Ethylbenzene	3.9	ug/m3	0.203	0.645	1	TO-15		3/9/2021	CJR	1
4-Ethyltoluene	0.74	ug/m3	0.214	0.681	1	TO-15		3/9/2021	CJR	1
Heptane	11.8	ug/m3	0.265	0.845	1	TO-15		3/9/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		3/9/2021	CJR	1
Hexane	5.4	ug/m3	0.235	0.748	1	TO-15		3/9/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		3/9/2021	CJR	1
Isopropyl Alcohol	3.6	ug/m3	0.109	0.347	1	TO-15		3/9/2021	CJR	1
Methyl ethyl ketone (MEK)	6.2	ug/m3	0.178	0.567	1	TO-15		3/9/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.06	ug/m3	0.168	0.536	1	TO-15		3/9/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		3/9/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		3/9/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39121
Project # 40420

Lab Code 5039121N
Sample ID WB-SS-14
Sample Matrix Air
Sample Date 3/2/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		3/9/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		3/9/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		3/9/2021	CJR	1
Styrene	0.213 "J"	ug/m3	0.181	0.577	1	TO-15		3/9/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		3/9/2021	CJR	1
Tetrachloroethene	4.6	ug/m3	0.278	0.884	1	TO-15		3/9/2021	CJR	1
Tetrahydrofuran	5.1	ug/m3	0.131	0.417	1	TO-15		3/9/2021	CJR	1
Toluene	12	ug/m3	0.184	0.585	1	TO-15		3/9/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		3/9/2021	CJR	1
1,1,1-Trichloroethane	1.69	ug/m3	0.249	0.793	1	TO-15		3/9/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		3/9/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		3/9/2021	CJR	1
Trichlorofluoromethane	18.2	ug/m3	0.337	1.07	1	TO-15		3/9/2021	CJR	1
Trichlorotrifluoroethane	< 0.402	ug/m3	0.402	1.28	1	TO-15		3/9/2021	CJR	1
1,2,4-Trimethylbenzene	8.7	ug/m3	0.283	0.899	1	TO-15		3/9/2021	CJR	1
1,3,5-Trimethylbenzene	3.3	ug/m3	0.232	0.739	1	TO-15		3/9/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		3/9/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		3/9/2021	CJR	1
m&p-Xylene	13.9	ug/m3	0.377	1.2	1	TO-15		3/9/2021	CJR	1
o-Xylene	7.7	ug/m3	0.218	0.695	1	TO-15		3/9/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
10	Linear range of calibration curve exceeded.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 3767

Page 1 of 2

Sample Handling Request

____ Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: 40420

Sampler: (signature)

Project (Name / Location): Community within the Corridor / Milwaukee

Reports To: K. VanderHeiden	Invoice To: Accounts Payable
Company K. Singh & Associates, Inc.	Company K. Singh & Associates, Inc.
Address 3636 N. 124th Street	Address 3636 N. 124th St
City State Zip Wauwatosa, WI 53222	City State Zip Wauwatosa, WI 53222
Phone 262-821-1171	Phone 262-821-1171
Email kvanderheiden@ksinghengineering.com	Email ap@ksinghengineering.com

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS								PID/ FID
5039121 A	WB-SS-1	3/2	10:46	N	1	A	N/A														X									
B	WB-SS-2	3/2	10:46	N	1	A	N/A														X									
C	WB-SS-3	3/2	11:06	N	1	A	N/A														X									
D	WB-SS-4	3/2	12:18	N	1	A	N/A														X									
E	WB-SS-5	3/2	12:09	N	1	A	N/A														X									
F	WB-SS-6	3/2	11:28	N	1	A	N/A														X									
G	WB-SS-7	3/2	11:48	N	1	A	N/A														X									
H	WB-SS-8	3/2	14:48	N	1	A	N/A														X									
I	WB-SS-9	3/2	14:51	N	1	A	N/A														X									
J	WB-SS-10	3/2	14:29	N	1	A	N/A														X									
K	WB-SS-11	3/2	13:08	N	1	A	N/A														X									
L	WB-SS-12	3/2	14:02	N	1	A	N/A														X									

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: _____ °C On Ice: _____

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1600	3/2/21			

Received in Laboratory By: Time: 8:00 Date: 3/3/21

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 3767

Page 2 of 2

Sample Handling Request

___ Rush Analysis Date Required: ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: 40420

Sampler: (signature)

Project (Name / Location): Community Within the Corridor Limited Partnership

Reports To: K. Vander Heiden	Invoice To: Accounts Payable
Company K. Singh & Associates, Inc.	Company K. Singh & Associates, Inc.
Address 3636 N. 124th St	Address 3636 N 124th St
City State Zip Wauwatosa, WI 53222	City State Zip Wauwatosa, WI 53222
Phone 262-821-1171	Phone 262-821-1171
Email KVanderheiden@KSinghengineering.com	Email ap@KSinghengineering.com

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS							PID/ FID
5039121 M	WB-SS-13	3/2	1335	N	1	A	N/A														X								
N	WB-SS-14	3/2	1311	N	1	A	N/A														X								

Analysis Requested | Other Analysis

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: ____ °C On Ice: ____

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	1600	3/2/21			

Received in Laboratory By: Time: 8:00 Date: 3/3/21

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KYLE VANDER HEIDEN
K SINGH & ASSOCIATES
3636 N. 124TH STREET
MILWAUKEE. WI 53222

Report Date *22-Jul-21*

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244A
Sample ID WB-SS-15
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	26.4	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	1
Acrolein	0.83	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	6.0	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	207	ug/m3	1.38	4.4	10	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	0.94 "J"	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	0.46 "J"	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	25.2	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	0.71 "J"	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.88	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244A
Sample ID WB-SS-15
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	8.5	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	8.3	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	0.69	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	27.3	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	34	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	1.02	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	4.1	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	12.5	ug/m3	0.178	0.567	1	TO-15		4/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.64	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.38 "J"	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	2.85	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	2.18	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	31.5	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	0.76 "J"	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	2.14	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	1.24	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	2.16	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	0.78	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	9.5	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	4.0	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244B
Sample ID WB-SS-16
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	288	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	10
Acrolein	2.86	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	24.7	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	10.7	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	16.5	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	34	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	2.28	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	0.72 "J"	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	29	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.83	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	0.36 "J"	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	0.32 "J"	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	9.5	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	15.3	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	25.2	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	2.7	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	115	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	140	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	22.6	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	77	ug/m3	0.178	0.567	1	TO-15		4/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.7	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244B
Sample ID WB-SS-16
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.34 "J"	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	62	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	3.8	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	93	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	78	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	1.18	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	1.52	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	5.1	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	8.5	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	3.7	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	38	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	17.2	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244C
Sample ID WB-SS-17
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	31.4	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	1
Acrolein	2.25	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	14.1	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	3.6	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	3.9	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	9.4	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	5.8	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	24.1	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	1.32	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	39	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	38	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	6.5	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	10.2	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	20.9	ug/m3	0.178	0.567	1	TO-15		4/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	5.2	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244C
Sample ID WB-SS-17
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.255 "J"	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	4.4	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	2.53	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	72	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	1.58	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	1.57	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	0.84 "J"	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	3.6	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	1.03	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	18.5	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	8.1	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244D
Sample ID WB-SS-18
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	330	ug/m3	2.99	9.5	10	TO-15		4/7/2021	CJR	1
Acrolein	1.38	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	30.7	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	5.4	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	9.8	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	0.88 "J"	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	0.32 "J"	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	17.1	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.78	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	23.2	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	37	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	2.35	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	64	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	62	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	19.9	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	49	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	129	ug/m3	1.78	5.67	10	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	34	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244D
Sample ID WB-SS-18
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.85	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	126	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	4.7	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	111	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	17	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	3.11	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	2.25	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	7.7	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	2.45	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	35	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	14.8	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244E
Sample ID WB-SS-19
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 0.299	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	1
Acrolein	0.83	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	34	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	12.5	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	18.4	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	7.8	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	1.15	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	0.37 "J"	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	0.34 "J"	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	25	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.83	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	2.12	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	4.6	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	38	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	23.9	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	1.82	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	71	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	78	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	97	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	291	ug/m3	3.56	11.34	20	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	26.9	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244E
Sample ID WB-SS-19
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	2.93	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	15400	ug/m3	55.6	176.8	200	TO-15		4/8/2021	CJR	1
Tetrahydrofuran	3.9	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	201	ug/m3	3.68	11.7	20	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	460	ug/m3	4.98	15.86	20	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	23.7	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	3.4	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	2.15	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	5.2	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	2.16	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	0.56	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	36	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	15.9	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244F
Sample ID WB-SS-20
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	60	ug/m3	0.299	0.95	1	TO-15		4/6/2021	CJR	1
Acrolein	1.51	ug/m3	0.094	0.299	1	TO-15		4/6/2021	CJR	1
Benzene	27	ug/m3	0.136	0.433	1	TO-15		4/6/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/6/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/6/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/6/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/6/2021	CJR	1
1,3-Butadiene	4.4	ug/m3	0.143	0.454	1	TO-15		4/6/2021	CJR	1
Carbon Disulfide	12.8	ug/m3	0.138	0.44	1	TO-15		4/6/2021	CJR	1
Carbon Tetrachloride	0.94 "J"	ug/m3	0.307	0.978	1	TO-15		4/6/2021	CJR	1
Chlorobenzene	0.32 "J"	ug/m3	0.251	0.798	1	TO-15		4/6/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/6/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/6/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/6/2021	CJR	1
Cyclohexane	27.1	ug/m3	0.212	0.674	1	TO-15		4/6/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/6/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/6/2021	CJR	1
Dichlorodifluoromethane	1.88	ug/m3	0.263	0.836	1	TO-15		4/6/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/6/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/6/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/6/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/6/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/6/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/6/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/6/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/6/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/6/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/6/2021	CJR	1
Ethanol	6.4	ug/m3	0.152	0.482	1	TO-15		4/6/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/6/2021	CJR	1
Ethylbenzene	29	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
4-Ethyltoluene	2.6	ug/m3	0.214	0.681	1	TO-15		4/6/2021	CJR	1
Heptane	75	ug/m3	0.265	0.845	1	TO-15		4/6/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/6/2021	CJR	1
Hexane	80	ug/m3	0.235	0.748	1	TO-15		4/6/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		4/6/2021	CJR	1
Isopropyl Alcohol	8.5	ug/m3	0.109	0.347	1	TO-15		4/6/2021	CJR	1
Methyl ethyl ketone (MEK)	31	ug/m3	0.178	0.567	1	TO-15		4/6/2021	CJR	1
Methyl isobutyl ketone (MIBK)	3.07	ug/m3	0.168	0.536	1	TO-15		4/6/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/6/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244F
Sample ID WB-SS-20
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/6/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/6/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/6/2021	CJR	1
Styrene	0.89	ug/m3	0.181	0.577	1	TO-15		4/6/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/6/2021	CJR	1
Tetrachloroethene	11.1	ug/m3	0.278	0.884	1	TO-15		4/6/2021	CJR	1
Tetrahydrofuran	4.6	ug/m3	0.131	0.417	1	TO-15		4/6/2021	CJR	1
Toluene	87	ug/m3	0.184	0.585	1	TO-15		4/6/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/6/2021	CJR	1
1,1,1-Trichloroethane	154	ug/m3	0.249	0.793	1	TO-15		4/6/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/6/2021	CJR	1
Trichloroethene (TCE)	3.05	ug/m3	0.237	0.754	1	TO-15		4/6/2021	CJR	1
Trichlorofluoromethane	2.7	ug/m3	0.337	1.07	1	TO-15		4/6/2021	CJR	1
Trichlorotrifluoroethane	5.1	ug/m3	0.402	1.28	1	TO-15		4/6/2021	CJR	1
1,2,4-Trimethylbenzene	9.2	ug/m3	0.283	0.899	1	TO-15		4/6/2021	CJR	1
1,3,5-Trimethylbenzene	3.2	ug/m3	0.232	0.739	1	TO-15		4/6/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/6/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/6/2021	CJR	1
m&p-Xylene	34	ug/m3	0.377	1.2	1	TO-15		4/6/2021	CJR	1
o-Xylene	14.6	ug/m3	0.218	0.695	1	TO-15		4/6/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244G
Sample ID WB-SS-21
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	211	ug/m3	0.299	0.95	1	TO-15		4/7/2021	CJR	10
Acrolein	0.73	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	13.9	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	7.5	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	8.4	ug/m3	0.138	0.44	1	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	0.54 "J"	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	14.7	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	20.8	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	10	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	1.23	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	43	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	52	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	15.8	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	30.3	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	103	ug/m3	0.178	0.567	1	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	11.3	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244G
Sample ID WB-SS-21
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/7/2021	CJR	1
Styrene	0.60	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	0.75 "J"	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	3.6	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	41	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	36	ug/m3	0.249	0.793	1	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	1.23	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	1.91	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	3.8	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	1.47	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	15.7	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	6.1	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244H
Sample ID WB-SS-22
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	< 0.299	ug/m3	0.299	0.95	1	TO-15		4/7/2021	CJR	1
Acrolein	< 0.094	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	4.1	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	26	ug/m3	0.138	0.44	1	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	1.03 "J"	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	9.9	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	2.03	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	13.8	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	21.7	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	4.6	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	1.03	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	19.6	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	37	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	3.8	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	43	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	8100	ug/m3	17.8	56.7	100	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.6	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244H
Sample ID WB-SS-22
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	1.04	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	770	ug/m3	7.9	25.1	100	TO-15		4/7/2021	CJR	1
Styrene	0.298 "J"	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	5.3	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	14.3	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	14.4	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	650	ug/m3	24.9	79.3	100	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	8.0	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	4.7	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	3.7	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	1.37	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	6.2	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	2.82	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244I
Sample ID WB-SS-23
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	20.2	ug/m3	0.299	0.95	1	TO-15		4/7/2021	CJR	1
Acrolein	0.46	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	9.0	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	55	ug/m3	0.138	0.44	1	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	31	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	1.09	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	128	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	1.42	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	87	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	99	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	3.3	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	1.6	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	23.7	ug/m3	0.178	0.567	1	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	25.5	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244I
Sample ID WB-SS-23
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/7/2021	CJR	1
Styrene	0.34 "J"	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	14.1	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	5.7	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	73	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	22.4	ug/m3	0.249	0.793	1	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	13	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	21.4	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	5.2	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	2.16	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	350	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	35	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244J
Sample ID WB-SS-24
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	81	ug/m3	0.299	0.95	1	TO-15		4/7/2021	CJR	1
Acrolein	0.44	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	2.68	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	272	ug/m3	1.38	4.4	10	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	4.8	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	4.1	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	1.62	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	2.77	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	0.74	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	8.9	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	15.2	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	3.07	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	< 0.109	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	38	ug/m3	0.178	0.567	1	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.91	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244J
Sample ID WB-SS-24
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	57	ug/m3	0.079	0.251	1	TO-15		4/7/2021	CJR	1
Styrene	0.51 "J"	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	20.4	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	6.0	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	6.0	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	2.88	ug/m3	0.249	0.793	1	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	0.37 "J"	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	14.8	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	3.2	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	1.32	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	4.3	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	2.3	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244K
Sample ID WB-SS-25
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	900	ug/m3	2.99	9.5	10	TO-15		4/7/2021	CJR	1
Acrolein	0.71	ug/m3	0.094	0.299	1	TO-15		4/7/2021	CJR	1
Benzene	5.2	ug/m3	0.136	0.433	1	TO-15		4/7/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		4/7/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		4/7/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		4/7/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		4/7/2021	CJR	1
1,3-Butadiene	2.48	ug/m3	0.143	0.454	1	TO-15		4/7/2021	CJR	1
Carbon Disulfide	39	ug/m3	0.138	0.44	1	TO-15		4/7/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		4/7/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		4/7/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		4/7/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		4/7/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		4/7/2021	CJR	1
Cyclohexane	19.7	ug/m3	0.212	0.674	1	TO-15		4/7/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		4/7/2021	CJR	1
1,4-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		4/7/2021	CJR	1
Dichlorodifluoromethane	1.93	ug/m3	0.263	0.836	1	TO-15		4/7/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		4/7/2021	CJR	1
1,1-Dichloroethene	0.238 "J"	ug/m3	0.21	0.668	1	TO-15		4/7/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		4/7/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		4/7/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		4/7/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		4/7/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		4/7/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		4/7/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		4/7/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		4/7/2021	CJR	1
Ethanol	53	ug/m3	0.152	0.482	1	TO-15		4/7/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		4/7/2021	CJR	1
Ethylbenzene	5.5	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
4-Ethyltoluene	0.93	ug/m3	0.214	0.681	1	TO-15		4/7/2021	CJR	1
Heptane	30.3	ug/m3	0.265	0.845	1	TO-15		4/7/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		4/7/2021	CJR	1
Hexane	42	ug/m3	0.235	0.748	1	TO-15		4/7/2021	CJR	1
2-Hexanone	55	ug/m3	0.222	0.707	1	TO-15		4/7/2021	CJR	1
Isopropyl Alcohol	79	ug/m3	0.109	0.347	1	TO-15		4/7/2021	CJR	1
Methyl ethyl ketone (MEK)	252	ug/m3	1.78	5.67	10	TO-15		4/7/2021	CJR	1
Methyl isobutyl ketone (MIBK)	63	ug/m3	0.168	0.536	1	TO-15		4/7/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		4/7/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		4/7/2021	CJR	1

Project Name COMMUNITY WITHIN THE CORRIDOR **Invoice #** E39244
Project # 40443

Lab Code 5039244K
Sample ID WB-SS-25
Sample Matrix Air
Sample Date 4/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		4/7/2021	CJR	1
Naphthalene	< 0.675	ug/m3	0.675	2.15	1	TO-15		4/7/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		4/7/2021	CJR	1
Styrene	0.34 "J"	ug/m3	0.181	0.577	1	TO-15		4/7/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		4/7/2021	CJR	1
Tetrachloroethene	161	ug/m3	0.278	0.884	1	TO-15		4/7/2021	CJR	1
Tetrahydrofuran	8.0	ug/m3	0.131	0.417	1	TO-15		4/7/2021	CJR	1
Toluene	14.4	ug/m3	0.184	0.585	1	TO-15		4/7/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		4/7/2021	CJR	1
1,1,1-Trichloroethane	1110	ug/m3	2.49	7.93	10	TO-15		4/7/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		4/7/2021	CJR	1
Trichloroethene (TCE)	3.5	ug/m3	0.237	0.754	1	TO-15		4/7/2021	CJR	1
Trichlorofluoromethane	18.3	ug/m3	0.337	1.07	1	TO-15		4/7/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		4/7/2021	CJR	1
1,2,4-Trimethylbenzene	3.8	ug/m3	0.283	0.899	1	TO-15		4/7/2021	CJR	1
1,3,5-Trimethylbenzene	1.23	ug/m3	0.232	0.739	1	TO-15		4/7/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		4/7/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		4/7/2021	CJR	1
m&p-Xylene	10.7	ug/m3	0.377	1.2	1	TO-15		4/7/2021	CJR	1
o-Xylene	3.8	ug/m3	0.218	0.695	1	TO-15		4/7/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
10	Linear range of calibration curve exceeded.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No 37713

Page 1 of 1

Sample Handling Request

___ Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: 40443

Sampler: (signature)

Project (Name / Location): Community Within the Corridor Limited Partnership

Reports To: K. Vander Heiden	Invoice To: Accounts Payable
Company K. Singh & Associates, Inc.	Company K. Singh & Associates, Inc.
Address 3636 N. 124th St	Address 3636 N. 124th St
City State Zip Wauwatosa, WI 53222	City State Zip Wauwatosa, WI 53222
Phone (262) 821-1171	Phone (262) 821-1171
Email Kvanderheiden@ksinghengineering.com	Email ap@ksinghengineering.com

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS							PID/ FID
503924 A	WB-SS-15	4/1	14:44		1	A															X								
B	WB-SS-16	4/1	14:10		1	A															X								
C	WB-SS-17	4/1	13:51		1	A															X								
D	WB-SS-18	4/1	13:30		1	A															X								
E	WB-SS-19	4/1	13:06		1	A															X								
F	WB-SS-20	4/1	12:42		1	A															X								
G	WB-SS-21	4/1	12:18		1	A															X								
H	WB-SS-22	4/1	11:26		1	A															X								
I	WB-SS-23	4/1	10:46		1	A															X								
J	WB-SS-24	4/1	10:29		1	A															X								
K	WB-SS-25	4/1	11:05		1	A															X								

Analysis Requested **Other Analysis**

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: _____ °C On Ice: _____

Cooler seal intact upon receipt: X Yes ___ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	0900	4/5/21			

Received in Laboratory By: Time: 8:00 Date: 4/6/21

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ROBERT RIENEKE
K SINGH & ASSOCIATES
3636 N. 124TH STREET
MILWAUKEE. WI 53222

Report Date *31-Aug-21*

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856A
Sample ID WB-SS-2
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	19.9	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	0.93	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	2.12	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.44 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	52	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	0.63 "J"	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	0.87 "J"	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	0.69	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	2.94	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	0.48 "J"	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	25.5	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.13	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	0.49 "J"	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	0.40 "J"	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	0.87	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856A
Sample ID WB-SS-2
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	25.1	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	2.49	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	42	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	1.32	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	3.6	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	5.5	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	7.0	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	5.7	ug/m3	0.178	0.567	1	TO-15		8/24/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.99	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	3.6	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	1.19	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1
Naphthalene	1.31 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	4.3	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	12.4	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	101	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	0.38 "J"	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	2.89	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	1.35	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	5.4	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	1.47	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	307	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	117	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856B
Sample ID WB-SS-9
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	15.6	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	3.7	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	5.3	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.38 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	25.5	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	1.31	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	0.91 "J"	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	2.96	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	2.94	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	0.42 "J"	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	18.4	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.22	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	0.32 "J"	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	1.58	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	35	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	1.23	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	9.9	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	17.9	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	1.38	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	14	ug/m3	0.178	0.567	1	TO-15		8/24/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.6	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	2.5	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	1.12	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856B
Sample ID WB-SS-9
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	0.99 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	3.5	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	24.6	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	15.5	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	72	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	3.6	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	7.4	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	17.3	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	5.4	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	1.52	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	255	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	102	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856C
Sample ID WB-SS-8
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	55	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	101	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	18.5	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.50 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	13.9	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	107	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	1.98	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	9.1	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	21.3	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	4.2	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	51	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	2.75	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	137	ug/m3	2.65	8.45	10	TO-15		8/26/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	240	ug/m3	2.35	7.48	10	TO-15		8/26/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	9.4	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	228	ug/m3	1.78	5.67	10	TO-15		8/26/2021	CJR	1
Methyl isobutyl ketone (MIBK)	8.1	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	2.05	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856C
Sample ID WB-SS-8
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.62 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	3.1	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	14	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	63	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	91	ug/m3	1.84	5.85	10	TO-15		8/26/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	10.3	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	2.46	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	5.6	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	10.4	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	3.2	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	202	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	88	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856D
Sample ID WB-SS-22
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	630	ug/m3	2.99	9.5	10	TO-15		8/26/2021	CJR	1
Benzene	10.4	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	14.6	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.44 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	9.4	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	1.26	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	12.8	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	1.98	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	0.36 "J"	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	9.0	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.22	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	152	ug/m3	1.52	4.82	10	TO-15		8/26/2021	CJR	1
Ethyl Acetate	1.55	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	31.6	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	2.11	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	35	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	32	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	91	ug/m3	1.09	3.47	10	TO-15		8/26/2021	CJR	1
Methyl ethyl ketone (MEK)	550	ug/m3	1.78	5.67	10	TO-15		8/26/2021	CJR	1
Methyl isobutyl ketone (MIBK)	7.2	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	1.64	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	6.4	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856D
Sample ID WB-SS-22
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.83 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	3.9	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	87	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	11.6	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	71	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	1340	ug/m3	2.49	7.93	10	TO-15		8/26/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	128	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	5.0	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	9.1	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	2.8	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	170	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	80	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856E
Sample ID WB-SS-10
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	78	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	6.5	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	21.7	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	7.4	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	0.49 "J"	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	8.8	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	2.46	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	0.42 "J"	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	10.1	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	16.4	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	1.84	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	27.1	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	2.35	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	28	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	24.5	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	11	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	73	ug/m3	0.178	0.567	1	TO-15		8/24/2021	CJR	1
Methyl isobutyl ketone (MIBK)	3.8	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	1.23	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.72	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856E
Sample ID WB-SS-10
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	2.04 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	3.6	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	160	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	8.3	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	48	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	85	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	207	ug/m3	0.237	0.754	1	TO-15		8/24/2021	CJR	1
Trichlorofluoromethane	3.15	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.69 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	10.5	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	3.14	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	146	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	72	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856F
Sample ID WB-SS-23
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	42	ug/m3	0.299	0.95	1	TO-15		8/24/2021	CJR	1
Benzene	3.9	ug/m3	0.136	0.433	1	TO-15		8/24/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/24/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/24/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/24/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/24/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/24/2021	CJR	1
Carbon Disulfide	41	ug/m3	0.138	0.44	1	TO-15		8/24/2021	CJR	1
Carbon Tetrachloride	0.57 "J"	ug/m3	0.307	0.978	1	TO-15		8/24/2021	CJR	1
Chlorobenzene	3.2	ug/m3	0.251	0.798	1	TO-15		8/24/2021	CJR	1
Chloroethane	0.71	ug/m3	0.159	0.507	1	TO-15		8/24/2021	CJR	1
Chloroform	0.68 "J"	ug/m3	0.3	0.953	1	TO-15		8/24/2021	CJR	1
Chloromethane	2.15 "J"	ug/m3	0.831	2.64	1	TO-15		8/24/2021	CJR	1
Cyclohexane	6.2	ug/m3	0.212	0.674	1	TO-15		8/24/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/24/2021	CJR	1
1,4-Dichlorobenzene	1.38	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorobenzene	3.9	ug/m3	0.235	0.749	1	TO-15		8/24/2021	CJR	1
Dichlorodifluoromethane	12.5	ug/m3	0.263	0.836	1	TO-15		8/24/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/24/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/24/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/24/2021	CJR	1
trans-1,2-Dichloroethene	0.44 "J"	ug/m3	0.231	0.734	1	TO-15		8/24/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/24/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/24/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/24/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/24/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/24/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/24/2021	CJR	1
Ethanol	23	ug/m3	0.152	0.482	1	TO-15		8/24/2021	CJR	1
Ethyl Acetate	30.9	ug/m3	0.176	0.559	1	TO-15		8/24/2021	CJR	1
Ethylbenzene	18.6	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
4-Ethyltoluene	3.9	ug/m3	0.214	0.681	1	TO-15		8/24/2021	CJR	1
Heptane	22.9	ug/m3	0.265	0.845	1	TO-15		8/24/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/24/2021	CJR	1
Hexane	35	ug/m3	0.235	0.748	1	TO-15		8/24/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/24/2021	CJR	1
Isopropyl Alcohol	30.8	ug/m3	0.109	0.347	1	TO-15		8/24/2021	CJR	1
Methyl ethyl ketone (MEK)	24	ug/m3	0.178	0.567	1	TO-15		8/24/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.58	ug/m3	0.168	0.536	1	TO-15		8/24/2021	CJR	1
Methyl Methacrylate	0.82	ug/m3	0.217	0.69	1	TO-15		8/24/2021	CJR	1
Methylene chloride	53	ug/m3	0.159	0.506	1	TO-15		8/24/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.47 "J"	ug/m3	0.16	0.509	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856F
Sample ID WB-SS-23
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.52 "J"	ug/m3	0.675	2.15	1	TO-15		8/24/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/24/2021	CJR	1
Styrene	2.17	ug/m3	0.181	0.577	1	TO-15		8/24/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/24/2021	CJR	1
Tetrachloroethene	174	ug/m3	0.278	0.884	1	TO-15		8/24/2021	CJR	1
Tetrahydrofuran	5.5	ug/m3	0.131	0.417	1	TO-15		8/24/2021	CJR	1
Toluene	45	ug/m3	0.184	0.585	1	TO-15		8/24/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/24/2021	CJR	1
1,1,1-Trichloroethane	52	ug/m3	0.249	0.793	1	TO-15		8/24/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/24/2021	CJR	1
Trichloroethene (TCE)	275	ug/m3	2.37	7.54	10	TO-15		8/26/2021	CJR	1
Trichlorofluoromethane	25.2	ug/m3	0.337	1.07	1	TO-15		8/24/2021	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		8/24/2021	CJR	1
1,2,4-Trimethylbenzene	13	ug/m3	0.283	0.899	1	TO-15		8/24/2021	CJR	1
1,3,5-Trimethylbenzene	4.0	ug/m3	0.232	0.739	1	TO-15		8/24/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/24/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/24/2021	CJR	1
m&p-Xylene	83	ug/m3	0.377	1.2	1	TO-15		8/24/2021	CJR	1
o-Xylene	40	ug/m3	0.218	0.695	1	TO-15		8/24/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856G
Sample ID WB-SS-25
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	64	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	1
Benzene	3.3	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	15.3	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	3.6	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	0.73 "J"	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	6.6	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.98	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	0.48 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	8.1	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.27	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	21.5	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.86	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	15.4	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	1.62	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	12	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	14.3	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	14.2	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	21.7	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.29	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	0.78	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.54	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856G
Sample ID WB-SS-25
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	2.09 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	1.96	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	162	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	6.4	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	24.9	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	690	ug/m3	2.49	7.93	10	TO-15		8/26/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	460	ug/m3	2.37	7.54	10	TO-15		8/26/2021	CJR	1
Trichlorofluoromethane	46	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	0.84 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	7.6	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	2.06	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	83	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	44	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856H
Sample ID WB-SS-14
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	94	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	1
Benzene	3.5	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	163	ug/m3	1.38	4.4	10	TO-15		8/26/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	2.36	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	2.62 "J"	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	3.9	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.8	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	0.54 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	6.5	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	10	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.79	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	10.4	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	1.47	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	9.1	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	10.9	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	5.3	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	18.1	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	50	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.6	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	0.90	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.40 "J"	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856H
Sample ID WB-SS-14
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.94 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	60	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	1.53	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	58	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	5.7	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	24.5	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	44	ug/m3	0.249	0.793	1	TO-15		8/25/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	59	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	57	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	8.5	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	2.6	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	57	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	31.2	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856I
Sample ID WB-SS-24
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	47	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	1
Benzene	2.65	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	25.2	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	< 0.307	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	1.62	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	5.2	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	2.27	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.5	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	0.48 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	5.8	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	8.7	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.61	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	9.6	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	2.7	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	6.7	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	8.9	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	4.7	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	7.1	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	35	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.2	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	0.61 "J"	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.36 "J"	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name
Proiect # 40443

Invoice # E39856

Lab Code 5039856I
Sample ID WB-SS-24
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	2.04 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	1.15	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	41	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	4.3	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	19.1	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	26	ug/m3	0.249	0.793	1	TO-15		8/25/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	27	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	82	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	16.6	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	5.7	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	53	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	27.8	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856J
Sample ID WB-SS-11
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	98	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	1
Benzene	4.7	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	44	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	0.38 "J"	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	1.39	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	14.8	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	13.9	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.44	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	0.54 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	5.3	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.67	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	139	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	3400	ug/m3	42	133.6	200	TO-15		8/26/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	0.238 "J"	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	46	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	7.8	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	1.67	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	43	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	46	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	29.1	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	24.2	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	2.54	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856J
Sample ID WB-SS-11
Sample Matrix Air
Sample Date 8/19/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.88 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	0.98	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	73	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	4.9	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	13.1	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	109000	ug/m3	49.8	158.6	200	TO-15		8/26/2021	CJR	1
1,1,2-Trichloroethane	0.38 "J"	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	207	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	21.8	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	9.8	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	3.14	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	0.179 "J"	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	41	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	22.5	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856K
Sample ID WB-SS-13
Sample Matrix Air
Sample Date 8/20/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	550	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	10
Benzene	3.4	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	1.21	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	0.50 "J"	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	1.12	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	< 0.831	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	1.03	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	1.26	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	0.77	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.22	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	0.32 "J"	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	19.5	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.83	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	2.08	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	0.54 "J"	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	2.04	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	6.2	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	< 0.109	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	7.6	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.78	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	0.37 "J"	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	0.54	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856K
Sample ID WB-SS-13
Sample Matrix Air
Sample Date 8/20/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.1 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	0.64	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	3.3	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	0.94	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	17.5	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	53	ug/m3	0.249	0.793	1	TO-15		8/25/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	11	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	41	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	1.0 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	2.94	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	0.83	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	11.8	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	4.5	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

Project Name **Invoice #** E39856
Project # 40443

Lab Code 5039856L
Sample ID WB-SS-12
Sample Matrix Air
Sample Date 8/20/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	118	ug/m3	0.299	0.95	1	TO-15		8/25/2021	CJR	10
Benzene	2.62	ug/m3	0.136	0.433	1	TO-15		8/25/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		8/25/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		8/25/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		8/25/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		8/25/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		8/25/2021	CJR	1
Carbon Disulfide	0.90	ug/m3	0.138	0.44	1	TO-15		8/25/2021	CJR	1
Carbon Tetrachloride	4.2	ug/m3	0.307	0.978	1	TO-15		8/25/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		8/25/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		8/25/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		8/25/2021	CJR	1
Chloromethane	0.89 "J"	ug/m3	0.831	2.64	1	TO-15		8/25/2021	CJR	1
Cyclohexane	3.8	ug/m3	0.212	0.674	1	TO-15		8/25/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		8/25/2021	CJR	1
1,4-Dichlorobenzene	0.9 "J"	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorobenzene	0.53 "J"	ug/m3	0.235	0.749	1	TO-15		8/25/2021	CJR	1
Dichlorodifluoromethane	2.77	ug/m3	0.263	0.836	1	TO-15		8/25/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		8/25/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		8/25/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		8/25/2021	CJR	1
trans-1,2-Dichloroethene	0.238 "J"	ug/m3	0.231	0.734	1	TO-15		8/25/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		8/25/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		8/25/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		8/25/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		8/25/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		8/25/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		8/25/2021	CJR	1
Ethanol	6.2	ug/m3	0.152	0.482	1	TO-15		8/25/2021	CJR	1
Ethyl Acetate	0.94	ug/m3	0.176	0.559	1	TO-15		8/25/2021	CJR	1
Ethylbenzene	2.64	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
4-Ethyltoluene	0.49 "J"	ug/m3	0.214	0.681	1	TO-15		8/25/2021	CJR	1
Heptane	12.3	ug/m3	0.265	0.845	1	TO-15		8/25/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		8/25/2021	CJR	1
Hexane	20.7	ug/m3	0.235	0.748	1	TO-15		8/25/2021	CJR	1
2-Hexanone	1.96	ug/m3	0.222	0.707	1	TO-15		8/25/2021	CJR	1
Isopropyl Alcohol	1.89	ug/m3	0.109	0.347	1	TO-15		8/25/2021	CJR	1
Methyl ethyl ketone (MEK)	19.3	ug/m3	0.178	0.567	1	TO-15		8/25/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.47	ug/m3	0.168	0.536	1	TO-15		8/25/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		8/25/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		8/25/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		8/25/2021	CJR	1

Project Name
Project # 40443

Invoice # E39856

Lab Code 5039856L
Sample ID WB-SS-12
Sample Matrix Air
Sample Date 8/20/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.05 "J"	ug/m3	0.675	2.15	1	TO-15		8/25/2021	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		8/25/2021	CJR	1
Styrene	0.47 "J"	ug/m3	0.181	0.577	1	TO-15		8/25/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		8/25/2021	CJR	1
Tetrachloroethene	3.6	ug/m3	0.278	0.884	1	TO-15		8/25/2021	CJR	1
Tetrahydrofuran	0.53	ug/m3	0.131	0.417	1	TO-15		8/25/2021	CJR	1
Toluene	13	ug/m3	0.184	0.585	1	TO-15		8/25/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		8/25/2021	CJR	1
1,1,1-Trichloroethane	117	ug/m3	0.249	0.793	1	TO-15		8/25/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		8/25/2021	CJR	1
Trichloroethene (TCE)	10	ug/m3	0.237	0.754	1	TO-15		8/25/2021	CJR	1
Trichlorofluoromethane	63	ug/m3	0.337	1.07	1	TO-15		8/25/2021	CJR	1
Trichlorotrifluoroethane	1.07 "J"	ug/m3	0.402	1.28	1	TO-15		8/25/2021	CJR	1
1,2,4-Trimethylbenzene	2.4	ug/m3	0.283	0.899	1	TO-15		8/25/2021	CJR	1
1,3,5-Trimethylbenzene	0.69 "J"	ug/m3	0.232	0.739	1	TO-15		8/25/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		8/25/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		8/25/2021	CJR	1
m&p-Xylene	12.7	ug/m3	0.377	1.2	1	TO-15		8/25/2021	CJR	1
o-Xylene	5.0	ug/m3	0.218	0.695	1	TO-15		8/25/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
10	Linear range of calibration curve exceeded.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # No. 015

Page ____ of ____

Sample Handling Request

____Rush Analysis Date Required: _____
(Rushes accepted only with prior authorization)
____Normal Turn Around

Lab I.D. #

QUOTE # :

Project #: 40443

Sampler: (signature)

Project (Name / Location):

Reports To: Robert Reineke	Invoice To: Accounts Payable
Company K. Singh & Associates, Inc.	Company K. Singh & Associates, Inc.
Address 3636 N 124th Street	Address 3636 N 124th St.
City State Zip Wauwatosa, WI 53222	City State Zip Wauwatosa, WI 53222
Phone 262-821-1171	Phone 262-821-1171
Email rreineke@KSinghengineering.com	Email AP@KSinghengineering.com

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
039856A	WB-SS-2	8/19/21	10:30AM	N	1	A	—
B	WB-SS-9	8/19/21	11:13AM	N	1	A	—
C	WB-SS-8	8/19/21	11:39AM	N	1	A	—
D	WB-SS-22	8/19/21	12:44pm	N	1	A	—
E	WB-SS-10	8/19/21	1:12PM	N	1	A	—
F	WB-SS-23	8/19/21	1:35PM	N	1	A	—
G	WB-SS-25	8/19/21	2:07PM	N	1	A	—
H	WB-SS-14	8/19/21	2:35PM	N	1	A	—
I	WB-SS-24	8/19/21	2:55PM	N	1	A	—
J	WB-SS-11	8/19/21	3:30PM	N	1	A	—
K	WB-SS-13	8/20/21	9:56AM	N	1	A	—
L	WB-SS-12	8/20/21	10:35AM	N	1	A	—

Analysis Requested / **Other Analysis**

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	PID/FID
													X		
													X		
													X		
													X		
													X		
													X		
													X		
													X		
													X		
													X		
													X		
													X		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: _____ °C On Ice: _____

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date

Received in Laboratory By: [signature] Time: 8:00 Date: 8/24/21

Appendix J

Utility Air Analytical Results

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ROBERT REINEKE
K SINGH & ASSOCIATES
3636 N. 124TH STREET
MILWAUKEE. WI 53222

Report Date *15-Sep-21*

Project Name **Invoice #** E39907
Project # 40443

Lab Code 5039907A
Sample ID BLDG 7 CLEANOUT
Sample Matrix Air
Sample Date 8/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	24.5	ug/m3	0.299	0.95	1	TO-15		9/10/2021	CJR	1
Benzene	1.15	ug/m3	0.136	0.433	1	TO-15		9/10/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		9/10/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		9/10/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		9/10/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		9/10/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		9/10/2021	CJR	1
Carbon Disulfide	5.3	ug/m3	0.138	0.44	1	TO-15		9/10/2021	CJR	1
Carbon Tetrachloride	0.63 "J"	ug/m3	0.307	0.978	1	TO-15		9/10/2021	CJR	1
Chlorobenzene	0.277 "J"	ug/m3	0.251	0.798	1	TO-15		9/10/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		9/10/2021	CJR	1
Chloroform	0.44 "J"	ug/m3	0.3	0.953	1	TO-15		9/10/2021	CJR	1
Chloromethane	1.59 "J"	ug/m3	0.831	2.64	1	TO-15		9/10/2021	CJR	1
Cyclohexane	0.83	ug/m3	0.212	0.674	1	TO-15		9/10/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		9/10/2021	CJR	1
1,4-Dichlorobenzene	1.86	ug/m3	0.302	0.96	1	TO-15		9/10/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		9/10/2021	CJR	1
1,2-Dichlorobenzene	0.47 "J"	ug/m3	0.235	0.749	1	TO-15		9/10/2021	CJR	1
Dichlorodifluoromethane	2.67	ug/m3	0.263	0.836	1	TO-15		9/10/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		9/10/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		9/10/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		9/10/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		9/10/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		9/10/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		9/10/2021	CJR	1

Project Name **Invoice #** E39907
Project # 40443

Lab Code 5039907A
Sample ID BLDG 7 CLEANOUT
Sample Matrix Air
Sample Date 8/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		9/10/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		9/10/2021	CJR	1
1,2-Dichlorotetrafluoroethane	1.54	ug/m3	0.446	1.42	1	TO-15		9/10/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		9/10/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		9/10/2021	CJR	1
Ethanol	9.0	ug/m3	0.152	0.482	1	TO-15		9/10/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		9/10/2021	CJR	1
Ethylbenzene	5.2	ug/m3	0.203	0.645	1	TO-15		9/10/2021	CJR	1
4-Ethyltoluene	1.23	ug/m3	0.214	0.681	1	TO-15		9/10/2021	CJR	1
Heptane	1.88	ug/m3	0.265	0.845	1	TO-15		9/10/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		9/10/2021	CJR	1
Hexane	5.9	ug/m3	0.235	0.748	1	TO-15		9/10/2021	CJR	1
2-Hexanone	2.09	ug/m3	0.222	0.707	1	TO-15		9/10/2021	CJR	1
Isopropyl Alcohol	5.1	ug/m3	0.109	0.347	1	TO-15		9/10/2021	CJR	1
Methyl ethyl ketone (MEK)	7.0	ug/m3	0.178	0.567	1	TO-15		9/10/2021	CJR	1
Methyl isobutyl ketone (MIBK)	4.1	ug/m3	0.168	0.536	1	TO-15		9/10/2021	CJR	1
Methyl Methacrylate	2.05	ug/m3	0.217	0.69	1	TO-15		9/10/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		9/10/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		9/10/2021	CJR	1
Naphthalene	1.36 "J"	ug/m3	0.675	2.15	1	TO-15		9/10/2021	CJR	1
Propene	12.9	ug/m3	0.079	0.251	1	TO-15		9/10/2021	CJR	1
Styrene	2.98	ug/m3	0.181	0.577	1	TO-15		9/10/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		9/10/2021	CJR	1
Tetrachloroethene	8.5	ug/m3	0.278	0.884	1	TO-15		9/10/2021	CJR	1
Tetrahydrofuran	2.39	ug/m3	0.131	0.417	1	TO-15		9/10/2021	CJR	1
Toluene	31.6	ug/m3	0.184	0.585	1	TO-15		9/10/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		9/10/2021	CJR	1
1,1,1-Trichloroethane	39	ug/m3	0.249	0.793	1	TO-15		9/10/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		9/10/2021	CJR	1
Trichloroethene (TCE)	0.75 "J"	ug/m3	0.237	0.754	1	TO-15		9/10/2021	CJR	1
Trichlorofluoromethane	1.12	ug/m3	0.337	1.07	1	TO-15		9/10/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		9/10/2021	CJR	1
1,2,4-Trimethylbenzene	5.3	ug/m3	0.283	0.899	1	TO-15		9/10/2021	CJR	1
1,3,5-Trimethylbenzene	1.37	ug/m3	0.232	0.739	1	TO-15		9/10/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		9/10/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		9/10/2021	CJR	1
m&p-Xylene	18.1	ug/m3	0.377	1.2	1	TO-15		9/10/2021	CJR	1
o-Xylene	11.7	ug/m3	0.218	0.695	1	TO-15		9/10/2021	CJR	1

Project Name **Invoice #** E39907
Project # 40443

Lab Code 5039907B
Sample ID BLDG 4 CLEANOUT
Sample Matrix Air
Sample Date 8/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	6.5	ug/m3	0.299	0.95	1	TO-15		9/10/2021	CJR	1
Benzene	0.83	ug/m3	0.136	0.433	1	TO-15		9/10/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		9/10/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		9/10/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		9/10/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		9/10/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		9/10/2021	CJR	1
Carbon Disulfide	0.87	ug/m3	0.138	0.44	1	TO-15		9/10/2021	CJR	1
Carbon Tetrachloride	0.50 "J"	ug/m3	0.307	0.978	1	TO-15		9/10/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		9/10/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		9/10/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		9/10/2021	CJR	1
Chloromethane	2.31 "J"	ug/m3	0.831	2.64	1	TO-15		9/10/2021	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		9/10/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		9/10/2021	CJR	1
1,4-Dichlorobenzene	1.62	ug/m3	0.302	0.96	1	TO-15		9/10/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		9/10/2021	CJR	1
1,2-Dichlorobenzene	0.41 "J"	ug/m3	0.235	0.749	1	TO-15		9/10/2021	CJR	1
Dichlorodifluoromethane	2.57	ug/m3	0.263	0.836	1	TO-15		9/10/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		9/10/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		9/10/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		9/10/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		9/10/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		9/10/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		9/10/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		9/10/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		9/10/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		9/10/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		9/10/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		9/10/2021	CJR	1
Ethanol	3.7	ug/m3	0.152	0.482	1	TO-15		9/10/2021	CJR	1
Ethyl Acetate	< 0.176	ug/m3	0.176	0.559	1	TO-15		9/10/2021	CJR	1
Ethylbenzene	3.6	ug/m3	0.203	0.645	1	TO-15		9/10/2021	CJR	1
4-Ethyltoluene	1.18	ug/m3	0.214	0.681	1	TO-15		9/10/2021	CJR	1
Heptane	0.65 "J"	ug/m3	0.265	0.845	1	TO-15		9/10/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		9/10/2021	CJR	1
Hexane	1.41	ug/m3	0.235	0.748	1	TO-15		9/10/2021	CJR	1
2-Hexanone	0.74	ug/m3	0.222	0.707	1	TO-15		9/10/2021	CJR	1
Isopropyl Alcohol	1.5	ug/m3	0.109	0.347	1	TO-15		9/10/2021	CJR	1
Methyl ethyl ketone (MEK)	2.48	ug/m3	0.178	0.567	1	TO-15		9/10/2021	CJR	1
Methyl isobutyl ketone (MIBK)	1.47	ug/m3	0.168	0.536	1	TO-15		9/10/2021	CJR	1
Methyl Methacrylate	1.56	ug/m3	0.217	0.69	1	TO-15		9/10/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		9/10/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		9/10/2021	CJR	1

Project Name **Invoice #** E39907
Project # 40443

Lab Code 5039907B
Sample ID BLDG 4 CLEANOUT
Sample Matrix Air
Sample Date 8/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.31 "J"	ug/m3	0.675	2.15	1	TO-15		9/10/2021	CJR	1
Propene	1.34	ug/m3	0.079	0.251	1	TO-15		9/10/2021	CJR	1
Styrene	3.3	ug/m3	0.181	0.577	1	TO-15		9/10/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		9/10/2021	CJR	1
Tetrachloroethene	3.05	ug/m3	0.278	0.884	1	TO-15		9/10/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		9/10/2021	CJR	1
Toluene	21.2	ug/m3	0.184	0.585	1	TO-15		9/10/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		9/10/2021	CJR	1
1,1,1-Trichloroethane	24.4	ug/m3	0.249	0.793	1	TO-15		9/10/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		9/10/2021	CJR	1
Trichloroethene (TCE)	0.48 "J"	ug/m3	0.237	0.754	1	TO-15		9/10/2021	CJR	1
Trichlorofluoromethane	2.92	ug/m3	0.337	1.07	1	TO-15		9/10/2021	CJR	1
Trichlorotrifluoroethane	0.54 "J"	ug/m3	0.402	1.28	1	TO-15		9/10/2021	CJR	1
1,2,4-Trimethylbenzene	5.8	ug/m3	0.283	0.899	1	TO-15		9/10/2021	CJR	1
1,3,5-Trimethylbenzene	1.67	ug/m3	0.232	0.739	1	TO-15		9/10/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		9/10/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		9/10/2021	CJR	1
m&p-Xylene	14.6	ug/m3	0.377	1.2	1	TO-15		9/10/2021	CJR	1
o-Xylene	10.2	ug/m3	0.218	0.695	1	TO-15		9/10/2021	CJR	1

Project Name **Invoice #** E39907
Project # 40443

Lab Code 5039907C
Sample ID 33RD STREET MANHOLE
Sample Matrix Air
Sample Date 8/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	16	ug/m3	0.299	0.95	1	TO-15		9/10/2021	CJR	1
Benzene	1.92	ug/m3	0.136	0.433	1	TO-15		9/10/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		9/10/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		9/10/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		9/10/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		9/10/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		9/10/2021	CJR	1
Carbon Disulfide	1.4	ug/m3	0.138	0.44	1	TO-15		9/10/2021	CJR	1
Carbon Tetrachloride	0.57 "J"	ug/m3	0.307	0.978	1	TO-15		9/10/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		9/10/2021	CJR	1
Chloroethane	0.45 "J"	ug/m3	0.159	0.507	1	TO-15		9/10/2021	CJR	1
Chloroform	21.1	ug/m3	0.3	0.953	1	TO-15		9/10/2021	CJR	1
Chloromethane	1.65 "J"	ug/m3	0.831	2.64	1	TO-15		9/10/2021	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		9/10/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		9/10/2021	CJR	1
1,4-Dichlorobenzene	1.68	ug/m3	0.302	0.96	1	TO-15		9/10/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		9/10/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		9/10/2021	CJR	1
Dichlorodifluoromethane	2.92	ug/m3	0.263	0.836	1	TO-15		9/10/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		9/10/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		9/10/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		9/10/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		9/10/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		9/10/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		9/10/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		9/10/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		9/10/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		9/10/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		9/10/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		9/10/2021	CJR	1
Ethanol	21.2	ug/m3	0.152	0.482	1	TO-15		9/10/2021	CJR	1
Ethyl Acetate	1.44	ug/m3	0.176	0.559	1	TO-15		9/10/2021	CJR	1
Ethylbenzene	2.08	ug/m3	0.203	0.645	1	TO-15		9/10/2021	CJR	1
4-Ethyltoluene	0.78	ug/m3	0.214	0.681	1	TO-15		9/10/2021	CJR	1
Heptane	0.82 "J"	ug/m3	0.265	0.845	1	TO-15		9/10/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		9/10/2021	CJR	1
Hexane	1.48	ug/m3	0.235	0.748	1	TO-15		9/10/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		9/10/2021	CJR	1
Isopropyl Alcohol	2.09	ug/m3	0.109	0.347	1	TO-15		9/10/2021	CJR	1
Methyl ethyl ketone (MEK)	4.6	ug/m3	0.178	0.567	1	TO-15		9/10/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.74	ug/m3	0.168	0.536	1	TO-15		9/10/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		9/10/2021	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		9/10/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		9/10/2021	CJR	1

Project Name **Invoice #** E39907
Project # 40443

Lab Code 5039907C
Sample ID 33RD STREET MANHOLE
Sample Matrix Air
Sample Date 8/31/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.31 "J"	ug/m3	0.675	2.15	1	TO-15		9/10/2021	CJR	1
Propene	2.19	ug/m3	0.079	0.251	1	TO-15		9/10/2021	CJR	1
Styrene	1.15	ug/m3	0.181	0.577	1	TO-15		9/10/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		9/10/2021	CJR	1
Tetrachloroethene	0.54 "J"	ug/m3	0.278	0.884	1	TO-15		9/10/2021	CJR	1
Tetrahydrofuran	< 0.131	ug/m3	0.131	0.417	1	TO-15		9/10/2021	CJR	1
Toluene	35	ug/m3	0.184	0.585	1	TO-15		9/10/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		9/10/2021	CJR	1
1,1,1-Trichloroethane	1.36	ug/m3	0.249	0.793	1	TO-15		9/10/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		9/10/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		9/10/2021	CJR	1
Trichlorofluoromethane	1.74	ug/m3	0.337	1.07	1	TO-15		9/10/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		9/10/2021	CJR	1
1,2,4-Trimethylbenzene	5.2	ug/m3	0.283	0.899	1	TO-15		9/10/2021	CJR	1
1,3,5-Trimethylbenzene	1.08	ug/m3	0.232	0.739	1	TO-15		9/10/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		9/10/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		9/10/2021	CJR	1
m&p-Xylene	11.2	ug/m3	0.377	1.2	1	TO-15		9/10/2021	CJR	1
o-Xylene	4.6	ug/m3	0.218	0.695	1	TO-15		9/10/2021	CJR	1

Project Name **Invoice #** E39907
Project # 40443

Lab Code 5039907D
Sample ID CWC WEST BLOCK TUNNE
Sample Matrix Air
Sample Date 9/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	8.3	ug/m3	0.299	0.95	1	TO-15		9/10/2021	CJR	1
Benzene	0.89	ug/m3	0.136	0.433	1	TO-15		9/10/2021	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		9/10/2021	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		9/10/2021	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		9/10/2021	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		9/10/2021	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		9/10/2021	CJR	1
Carbon Disulfide	0.47	ug/m3	0.138	0.44	1	TO-15		9/10/2021	CJR	1
Carbon Tetrachloride	0.44 "J"	ug/m3	0.307	0.978	1	TO-15		9/10/2021	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		9/10/2021	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		9/10/2021	CJR	1
Chloroform	< 0.3	ug/m3	0.3	0.953	1	TO-15		9/10/2021	CJR	1
Chloromethane	2.11 "J"	ug/m3	0.831	2.64	1	TO-15		9/10/2021	CJR	1
Cyclohexane	< 0.212	ug/m3	0.212	0.674	1	TO-15		9/10/2021	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		9/10/2021	CJR	1
1,4-Dichlorobenzene	0.54 "J"	ug/m3	0.302	0.96	1	TO-15		9/10/2021	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		9/10/2021	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		9/10/2021	CJR	1
Dichlorodifluoromethane	2.37	ug/m3	0.263	0.836	1	TO-15		9/10/2021	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		9/10/2021	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		9/10/2021	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		9/10/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		9/10/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		9/10/2021	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		9/10/2021	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		9/10/2021	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		9/10/2021	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		9/10/2021	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		9/10/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		9/10/2021	CJR	1
Ethanol	20.3	ug/m3	0.152	0.482	1	TO-15		9/10/2021	CJR	1
Ethyl Acetate	1.19	ug/m3	0.176	0.559	1	TO-15		9/10/2021	CJR	1
Ethylbenzene	1.13	ug/m3	0.203	0.645	1	TO-15		9/10/2021	CJR	1
4-Ethyltoluene	< 0.214	ug/m3	0.214	0.681	1	TO-15		9/10/2021	CJR	1
Heptane	0.286 "J"	ug/m3	0.265	0.845	1	TO-15		9/10/2021	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		9/10/2021	CJR	1
Hexane	2.36	ug/m3	0.235	0.748	1	TO-15		9/10/2021	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		9/10/2021	CJR	1
Isopropyl Alcohol	2.65	ug/m3	0.109	0.347	1	TO-15		9/10/2021	CJR	1
Methyl ethyl ketone (MEK)	3.2	ug/m3	0.178	0.567	1	TO-15		9/10/2021	CJR	1
Methyl isobutyl ketone (MIBK)	0.41 "J"	ug/m3	0.168	0.536	1	TO-15		9/10/2021	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		9/10/2021	CJR	1
Methylene chloride	15.1	ug/m3	0.159	0.506	1	TO-15		9/10/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		9/10/2021	CJR	1

Project Name **Invoice #** E39907
Project # 40443

Lab Code 5039907D
Sample ID CWC WEST BLOCK TUNNE
Sample Matrix Air
Sample Date 9/1/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.05 "J"	ug/m3	0.675	2.15	1	TO-15		9/10/2021	CJR	1
Propene	1.38	ug/m3	0.079	0.251	1	TO-15		9/10/2021	CJR	1
Styrene	< 0.181	ug/m3	0.181	0.577	1	TO-15		9/10/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		9/10/2021	CJR	1
Tetrachloroethene	3.5	ug/m3	0.278	0.884	1	TO-15		9/10/2021	CJR	1
Tetrahydrofuran	0.83	ug/m3	0.131	0.417	1	TO-15		9/10/2021	CJR	1
Toluene	2.82	ug/m3	0.184	0.585	1	TO-15		9/10/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		9/10/2021	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		9/10/2021	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		9/10/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		9/10/2021	CJR	1
Trichlorofluoromethane	1.46	ug/m3	0.337	1.07	1	TO-15		9/10/2021	CJR	1
Trichlorotrifluoroethane	0.61 "J"	ug/m3	0.402	1.28	1	TO-15		9/10/2021	CJR	1
1,2,4-Trimethylbenzene	0.74 "J"	ug/m3	0.283	0.899	1	TO-15		9/10/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.232	ug/m3	0.232	0.739	1	TO-15		9/10/2021	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		9/10/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		9/10/2021	CJR	1
m&p-Xylene	2.12	ug/m3	0.377	1.2	1	TO-15		9/10/2021	CJR	1
o-Xylene	1.0	ug/m3	0.218	0.695	1	TO-15		9/10/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

KSingh | Engineers Scientists Consultants

CH[illegible] CUSTODY RECORD
LUST PROGRAM
FORM 4400-151

Sample Collector(s)	Title	Telephone # (incl. area code)	Report To
Robert Reineke & Alex Huebner	Senior Engineer	(262) 821-1171	Robert Reineke and Daniel Pelczar
Property Owner	**Property Address**	**Telephone # (incl. area code)**	**KSingh Project #**
Community Within the Corridor - West Block	3212 W Center St., 2727 N 32nd Street, & 2758 N. 33rd Street, Milwaukee, WI		40443

I hereby certify that I received, properly, and disposed of the samples as noted below:

Laboratory Name **Synergy**

Relinquished By (Signature)	Date/Time	Received By (Signature)	Temperature Blank:
[signature]			If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for the temperature blank.
Relinquished By (Signature)	Date/Time	Received By (Signature)	
	09/03/21 8:00	[signature]	

1 Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW), etc.
2 Sample description must clearly correlate the sample I.D. to the sampling location

503
9907

	Date Collected	Time Collected	Samples Type (1)	Samples Device	Location/Description (2)	TO-15	Sample Condition # / Type of Container MeOH	HCL	H2SO4	Unpres.	Other Comment
A	8/31/2021	11:00	A	Summa	Bldg. 7 Cleanout	x				1	
B	8/31/2021	13:30	A	Summa	Bldg. 4 Cleanout	x				1	
C	8/31/2021	14:30	A	Summa	33rd Street Manhole	x				1	
D	9/1/2021	10:00	A	Summa	CWC West Block Tunnel Entrance	x				1	

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should (check):
[ ] Dispose [ ] Return [ ] Retain for [ ] Other
[ ] (days)

DEPARTMENT USE ONLY

Split Samples Offered [ ] Y [ ] N Accepted By:
Accepted [ ] Y [ ] N
Signature