

January 12, 2024

Ms. Jennifer Meyer
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1027 West St. Paul Avenue
Milwaukee, WI 53233

Project # 40441

Subject: **Status Report and Supplemental Site Investigation Work Plan
Community Within the Corridor – East Block
2748 N 32nd Street, Milwaukee, WI 53208
BRRTS # 02-41-263675, FID # 241025400**

Dear Ms. Meyer:

On behalf of the Community Within the Corridor Limited Partnership (CWC), K. Singh & Associates, Inc. (KSingh) prepared this *Status Report and Supplemental Site Investigation Work Plan* for the above referenced site (Figure 1). This report documents additional site investigation (SI) work performed in 2023 and presents a Supplemental Site Investigation Work Plan (SSIWP) per the Wisconsin Department of Natural Resources (WDNR) December 11, 2023, request.

1.0 Project Background

KSingh was retained to perform environmental consulting services for the redevelopment of the property. Following a Phase I Environmental Site Assessment (ESA), a Phase II ESA, and Sub-Slab Vapor Sampling, a Post-Closure Modification Request was submitted to the WDNR on July 8, 2020. Following submission of the Post-Closure Modification Request, KSingh performed a Sub-Slab Vapor Investigation of the building. Based on the Sub-Slab Vapor Investigation, it was determined that a vapor mitigation system would be required for the facility in addition to construction and maintenance of engineered barriers which was documented in a Remedial Action Plan (RAP) dated March 19, 2021.

KSingh performed a Phase II ESA to identify and provide information regarding potential impacts within the facility from historical land use in April 2020. The locations of soil borings are shown in Figure 2. Soil borings B-7 to B-12 were performed to depths of two to twenty feet below ground surface (bgs) on April 10, 2020, to assess areas of contamination in the East Block. Soil samples were collected and analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), Resource Conservation and Recovery Act (RCRA) metals, polychlorinated biphenyls (PCBs), pesticides and herbicides. On June 25, 2020, a hand auger sample B-16 was performed to a depth of two feet and analyzed for Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS).

Within the soils both petroleum and chlorinated VOCs were detected along with PAHs, PCBs, arsenic, and lead at concentrations above residual contaminant levels (RCLs) for the protection to groundwater and/or non-industrial, direct-contact exposure pathways. Soils analyzed for PFAS were either below the laboratory's method detection limit (MDL) or below the non-industrial, direct-contact exposure pathway. All other soil samples were below respective groundwater protection RCLs for pesticides and herbicides. Petroleum and chlorinated VOCs, naphthalene, arsenic, cadmium, chromium, and lead were detected in groundwater at concentrations above Wisconsin Administrative Code (WAC) NR 140 groundwater standards.

After the Phase II ESA, further site investigation activities (January through March 2021) were performed to evaluate sub-slab vapor and soil quality conditions within the footprint of the existing buildings, which were undergoing remodeling as part of site redevelopment. The vapor intrusion assessment occurred first, is on-going, and has been documented in numerous reports. A supplementary site investigation was performed in July 2022, with the construction of groundwater monitoring wells EB-MW-3R and EB-MW-4RR, the abandonment of EB-MW-4R.

On November 16, 2023, K Singh submitted a *Revised Remedial Action Options Report* to the WDNR. The report was submitted in response to the WDNR's September 7, 2023, Remedial Action Options Report (RAOR) review letter, which did not approve the RAOR, and requested that an updated RAOR be submitted that incorporated the feedback provided in the letter.

On December 11, 2023, the WDNR reviewed the *Revised Remedial Actions Options Report* for compliance with WAC, NR 722 and 724, and concurred with the remedial strategy, with comments and recommendations to incorporate and/or consider. The following comments were provided regarding the Site Investigation Status:

"As identified in the DNR's Site Investigation Review letter, dated December 22, 2021, site investigation has not yet been approved by the DNR. More specifically, the groundwater investigation and sewer vapor investigation are not complete. Below are additional comments on the site investigation status:

1. Groundwater contaminated with chlorinated volatile organic compounds (CVOCs) at MW-2 located in the northern courtyard of the site appears to be present within a perched groundwater table that exists within that fill interval immediately below the ground surface. Groundwater contamination at MW-2 remains laterally undefined. Install additional monitoring wells that are appropriately screened within the fill interval to laterally define the groundwater contamination at MW-2. Consider installing monitoring wells to the north, east and west of MW-2 to determine whether groundwater contamination may extend off-site and to help to evaluate potential off-site migration pathways and receptors of the contamination.

2. The DNR requests that manhole sample locations Sanitary Manhole 25 (EB-IA-1), Sanitary Manhole 26 (EB-IA-2), and Sanitary Manhole 19 (EB-IA-3) be sampled again as TCE exceeded 10% of the sanitary sewer gas screening level at all of these locations during the May 2021 sampling event. The DNR recommends that the sewer vapor samples be collected using passive samplers for a minimum duration of one-week. For additional information on investigating utilities as a preferential vapor pathway and sewer vapor sample collection, you may reference DNR guidance document RR-649, Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors. Please include information on the flow direction of the sanitary sewer in W. Center St. and N. 32nd St. rights-of way and locations of historical sewer laterals (if available) in future reports, where applicable."

2.0 Additional Site Investigation

On March 21 and March 22, 2023, two (2) soil borings (EB-MW-1R and EB-MW-7) were advanced by Soils & Engineering Services, Inc. (SES) utilizing a Geoprobe 7822 DT rig capable of turning 8.25-inch outside diameter hollow-stem augers. The soil boring logs and borehole abandonment forms are presented as Attachment A, and the soil boring/groundwater monitoring well locations are shown on the attached Figure 2.

EB-MW-1R was constructed to replace groundwater monitoring well EB-MW-1 located on the northeastern corner of the site. EB-MW-1 was dry since installed in May 2021; therefore, EB-MW-1R was drilled in an attempt to construct a groundwater monitoring well. EB-MW-1R was blind drilled to approximately 26 feet below ground surface (bgs), after which split spoon soil sampling was attempted. Refusal occurred at 26.5 feet bgs, after which the borehole was abandoned in accordance with WAC, NR 141. The abandoned borehole naming convention was EB-MW-1R₁. Soil boring EB-MW-1R₂ was off-set approximately three (3) feet to the north of EB-MW-1R₁, and was blind drilled to 28 feet bgs, after which split spoon soil samples were collected to the boring termination depth of 70 feet bgs. Groundwater was not encountered; therefore, the borehole was allowed to remain open, and periodically monitored to see if groundwater would accumulate. Groundwater did not accumulate in EB-MW-1R₂; therefore, the borehole was abandoned in accordance with WAC, NR 141 on July 18, 2023.

An attempt was made to drill EB-MW-7 along the western side of the site near North 32nd Street; however, refusal occurred at two (2) feet bgs on what was believed to be a concrete vault, and the borehole was abandoned in accordance with WAC, NR 141. Due to refusal, a second attempt to advance EB-MW-7 was made by offsetting approximately four (4) feet south; however, refusal occurred again at two (2) feet bgs.

In general, soils beneath 30 feet bgs in EB-MW-1R were silty sands, underlain by silts to sandy silts to the boring termination depth of 70 feet bgs.

Recovered soil samples were brought to the surface, examined by the field crew, field screened for VOCs using a 11.7 electron volt photoionization detector (PID). Following screening, soil samples from 28 to 30 feet bgs, and 63 to 65 feet bgs from EB-MW-1R, and 2 to 4 feet bgs from EB-MW-7 were placed in laboratory supplied containers and placed on ice in a cooler. The soil samples were submitted to Eurofins-Test America, Inc. (Eurofins), University Park, Illinois using proper chain-of-custody procedures for laboratory analysis of VOCs using EPA Method 8260B, PAHs using EPA Method 8270E, PCBs using EPA Method 8082E, and RCRA metals using EPA Method 6020B/7470A.

2.2.1 Soil Analytical Results

The soil laboratory analytical report is included in Attachment B, and analytical results are summarized in Table 1.

VOCs and PCBs were not detected at concentrations above laboratory analytical MDLs in soil samples collected from EB-MW-1R₂ (28'-30') and (63'-65'), and EB-MW-7 (2'-4').

Benzo (a) pyrene, and dibenz (a,h) anthracene were detected in soil sample EB-MW-1R₂ (28'-30') at concentrations above their respective WAC, NR 720 non-industrial, direct-contact RCLs, and benzo (b) fluoranthene and chrysene exceeded their respective groundwater pathway RCLs. Soil sample EB-MW-1R₂ (63'-65') had no PAH detections at concentrations above analytical MDLs except for phenanthrene which was detected at an estimated concentration between its reporting limit and MDL. There are no RCLs for phenanthrene.

Soil sample EB-MW-7 had several PAHs detected at concentrations above MDLs; however, the detections were all below RCLs.

RCRA Metals were detected in all three (3) of the soil samples collected; however, the concentrations were either below RCLs, or background threshold values (BTV).

2.2.2 Groundwater Sampling

On November 14, 2023, groundwater sampling was completed for four (4) of the six (6) groundwater monitoring wells located on the site (EB-MW-2, EB-MW-4RR, EB-MW-5, and EB-MW-6). Groundwater monitoring well EB-MW-1 was dry, and groundwater monitoring well EB-MW-3R was not accessible.

Prior to groundwater sampling, the monitoring wells expandable caps were removed, and groundwater allowed to equilibrate prior to the measurement of static water levels. Depth to water was measured in each monitoring well using a Durham Geo Slope Indicator water level indicator and measuring from the top of PVC casing. Four (4) volumes of groundwater were then purged from each well with a dedicated, clean bailer. Groundwater elevation data is summarized in Table 2.

Following purging, groundwater samples were collected in accordance with the DNR's Groundwater Field Sampling Manual, placed in laboratory supplied containers and preserved on ice in a cooler. The groundwater samples were submitted to Eurofins using proper chain-of-custody procedures for laboratory analysis. Groundwater samples were analyzed for VOCs using EPA Method 8260D, PAHs using EPA Method 8270E, RCRA Metals using EPA Method 6020B/7470A, and PCBs using EPA Method 8082E. Groundwater samples analyzed for RCRA metals were filtered by Eurofins. A duplicate sample was collected from EB-MW-2 and submitted for VOC, PAH, RCRA Metals, and PCB laboratory analysis. A trip blank was submitted for VOC laboratory analysis. Purge water was placed in a labeled 55-gallon drum which is staged on-site pending disposal

2.2.3 Site Hydrogeology

The November 14, 2023, static water levels in the groundwater monitoring wells ranged from approximately 8.61 feet below top of casing (TOC) (EB-MW-2) to 23.40 feet below TOC (EB-MW-6), or 676.90 and 652.31 feet mean sea level, respectively. A groundwater contour map, generated from November 14, 2023, static water levels is presented as Figure 3. Overall site groundwater flow direction appears to be to the south, from EB-MW-2, which is located in the northern courtyard, towards EB-MW-5 which is located near the southwestern corner of the site. However, there is a local depression in the area surrounding EB-MW-4RR and EB-MW-6. Specifically, the groundwater elevation is lowest at EB-MW-6, and groundwater flows from EB-MW-2, EB-MW-4RR, and EB-MW-5 towards EB-MW-6. Horizontal hydraulic gradients ranged from 0.03 feet/foot (ft/ft) between EB-MW-2 and EB-MW-5, to 0.09 ft/ft between EB-MW-5 and EB-MW-6.

2.2.4 Groundwater Regulatory Criteria and Analytical Results

Groundwater analytical results are summarized in the attached Tables 3 through 6. The laboratory report and chain-of-custody form are included in Attachment C.

The WDNR has established groundwater quality standards, which are set forth in NR 140, WAC. For each regulated compound, two standards have been established, the Enforcement Standard (ES) and the Preventive Action Limit (PAL). In general, if the regulated contaminant exceeds the PAL, but is below the ES, the WDNR may require additional investigation/continued monitoring. If the regulated contaminant is above its ES, the WDNR may require additional investigation, continued monitoring, and/or remediation.

Several petroleum VOCs (PVOCs) and chlorinated VOCs (CVOCs) were detected at concentrations above MDLs in groundwater from EB-MW-2; however, benzene and trichloroethene (TCE) were the only compounds detected at concentrations above WAC, NR 140 standards. Benzene, detected at a concentration of 6.8 micrograms per liter (ug/L) was the only PVOC detected at concentrations above its ES, and TCE, detected at 11 ug/L, was the only CVOC detected at concentrations above its ES. The ES for benzene and TCE is 5 ug/L. VOCs were not detected at concentrations above analytical MDLs in the groundwater samples collected from groundwater monitoring wells MW-4RR, MW-5, and MW-6. The exception was methylene chloride, which was detected at estimated concentrations between its RL and MDL in all samples, including the trip blank. Methylene chloride is a common laboratory artifact and is assumed to not be present in the groundwater.

Naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene were the only PAHs detected in EB-MW-2 at concentrations above analytical MDLs. Naphthalene was detected at 4 ug/L, which is below its PAL of 10 ug/L, and there no WAC, NR 140 standards for methylnaphthalene. PAHs were not detected at concentrations above MDLs in groundwater from EB-MW-4RR, and EB-MW-5. Several PAHs were detected in groundwater from EB-MW-6; however, the detected PAH compounds were either below PALs, or have no WAC, NR 140 standards.

Arsenic, barium, cadmium, lead, and selenium were the only metals detected at concentrations above MDLs. Arsenic was detected at estimated concentrations between the RL and MDL in all four (4) samples; however, concentrations were below its PAL of 1 ug/L. Barium was detected in all four (4) samples, but at concentrations below its PAL of 400 ug/L. Cadmium was detected at estimated concentrations between its RL and MDL in MW-4RR and MW-6, but below its PAL of 0.50 ug/L. Lead was detected at concentrations well below its PAL in the four (4) wells; additionally, the lab flagged the samples as found in the blank. Selenium was detected at a concentration of 12 ug/L in groundwater monitoring well MW-5, which is above its PAL of 10 ug/L.

PCBs were not detected at concentrations above analytical MDLs in groundwater from wells MW-5 and MW-6. PCB-1248 was detected at an estimated concentration between its RL and MDL at 0.31ug/L, which is above its ES of 0.003 ug/L, in MW-2. PCB-1260 was detected in MW-4RR at a concentration of 56 ug/L, which is above its ES of 0.003 ug/L.

2.2.5 Investigation Derived Waste (IDW)

Soil cuttings generated during the additional investigation were placed in six (6) labeled 55-gallon drums and temporarily staged in the central courtyard pending disposal. Two (2) additional drums from the previous consultant, KPRG & Associates, Inc, which contained soil from vapor mitigation system installation were staged with the six drums. In addition, one (1) groundwater drum located in a cold storage building (Building 3A) that contained purge water from EB-MW-2 was poured into the Milwaukee Metropolitan Sewerage Districts approved NOI discharge location. The eight (8) drums of soils were appropriately managed and disposed of at a local Subtitle D landfill facility.

3.0 Supplemental Site Investigation Work Plan

Based on the December 11, 2023, WDNR SI status letter request, the following supplemental site investigation (SSI) work plan is presented.

3.1 Health and Safety Plan

Protecting the health and safety of the investigative team, as well as the general public, is a major concern during the field investigation. This is particularly important in cases where workers may be exposed to known or unknown chemicals, heat stress, physical stress, slips/trips/falls, biologic agents, equipment-related injuries, fire, and explosion. Many of these hazards are encountered in any type of field study, but exposure to chemical hazards, including toxicity, is a major concern for the investigative team that needs to be addressed.

Chemical hazards in soil and groundwater associated with the historical use of the site are of principal concern. Particulate emissions in the air may also be a concern. A PID will be used to monitor the quality of air at the project site. Because the investigation will not be conducted in a confined space, special precautions may not be required. However, Level D protection will be required for the staff actively involved in the implementation of the fieldwork.

Level D protection is primarily a work uniform. Level D personal protective equipment includes:

1. Coveralls;
2. Reflective safety vest;
3. Gloves;
4. Boots/shoes, chemical-resistant steel toe and shank;
5. Safety glasses or chemical splash goggles; and
6. Hard hat.

The field investigation team will be required to take precautions at Level D. A higher level of protection may be required if data gathered during the field investigation indicates high concentrations of VOCs in ambient air using a PID. Field staff shall utilize disposable supplies to prevent cross-contamination between samples.

3.2 Utility Locate in Work Area

In an effort to locate utilities in the work area, Diggers Hotline and a private utility locate performed prior to drilling. To the extent practicable, the locations and depths of the various utilities will be identified to avoid damage to such utilities. The proposed boring locations may be modified based upon the presence of utilities, or if access is otherwise restricted.

3.3 Groundwater Monitoring Well Installation

3.3.1 Soil Sampling

Per the WDNR request, KSingh personnel will supervise the installation of three (3) soil borings (EB-MW-8 through EB-MW-10) in the northern courtyard near EB-MW-2 to facilitate collection of soil and groundwater samples. The borings will be advanced to approximately twenty-five (25) feet bgs, to the north, east and west of EB-MW-2 in an attempt to determine groundwater CVOC contamination extent. The borings will be advanced using a drill rig capable of collecting soil samples using direct-push methods as well as turning hollow-stem augers.

The locations of the proposed borings/monitoring wells are shown in Figure 2. The actual locations of the borings may need to be modified in the field based on accessibility, the presence of utilities, etc.

The drilling method utilized for soil sampling collection will be a dry process, direct-push type, which advances a 2-inch diameter steel tube containing a plastic two-foot to five-foot sampling tube. The sampling is continuous, with the sampling tube being hydraulically pushed deeper into the substrata four feet to five feet per sample, in accordance with ASTM D 1587-08(2012)e1 to the terminus of each boring. The plastic sampling tube will be replaced for each sampling interval which will prevent cross-contamination. The outer protective tube will be cleaned in between sampling locations to prevent cross-contamination.

Soil samples will be subjected to qualitative screening in the field for VOCs using a photoionization detector (PID). Soil characteristics (e.g., texture, color) and any unusual odors or discoloration will be noted on each soil boring log. Soil samples for laboratory analysis will be selected based on PID readings and/or field observation. It is planned that two soil samples per boring will be collected for laboratory testing. The estimated depths of the collection will be from the direct-contact interval of 1 to 4 feet bgs (shallow), and the second just above the soil/groundwater interface (deeper) to evaluate the unsaturated vertical extent of the contamination. The soil samples will be collected in laboratory-supplied containers, put on ice, transported to a certified laboratory using chain-of-custody procedures, and tested for the following parameters:

- VOCs in accordance with EPA Method 8260B (both shallow and deeper samples).
- PAHs in accordance with EPA Method 8270D (both shallow and deeper samples).
- RCRA Metals (ICP) in accordance with EPA Method 6010B (both shallow and deeper samples).

3.3.2 Groundwater Monitoring Well Installation

Upon completion of soil sampling, three groundwater monitoring wells (EB-MW-8 through EB-MW-10) will be installed. Conventional Hollow Stem Auger (HSA) drilling methods will be used, and the selected driller will be responsible for their equipment decontamination following company policies. Depth to groundwater is variable on-site; however, based upon EB-MW-2 construction, and the WDNRs comment that the CVOC groundwater contamination appears to be present within a perched groundwater table that exists within the fill interval, the proposed well screen depths are estimated to be between 10 to 25 feet bgs to intersect the water table. The screen intervals will be determined in the field based on the soils encountered and the presence of saturated material. The groundwater monitoring wells will be installed using HSA per NR 141, WAC. The shallow monitoring wells will be constructed by attaching a 10 or 15-foot length of 2-inch inside-diameter, 0.010-inch slotted, PVC well screen to a solid PVC riser pipe. A sand filter pack will be placed around the screen to a depth of approximately one foot above the top of the screen. The remainder of the borehole will be filled with bentonite to near the ground surface. The groundwater monitoring wells will be completed with flush mount well protectors.

3.3.3 Groundwater Monitoring Well Development

Following installation, the groundwater monitoring wells will be developed with disposable bailers per NR 141, WAC. The development water will be placed in labeled drums and temporarily staged on-site.

3.3.4 Engineering Survey

The groundwater monitoring wells will be surveyed relative to the National Geodetic Vertical Datum (NGVD). The ground surface and top of casing elevations will be measured to the nearest 0.01 feet, and State Plane Coordinates will be determined for each groundwater monitoring well.

3.3.5 Groundwater Monitoring Well Sampling

Not sooner than one week following well development, groundwater samples will be collected from the three (3) newly installed groundwater monitoring wells (EB-MW-8 through EB-MW-10), and the existing monitoring wells (EB-MW-2, EB-MW3R, EB-MW-4R, EB-MW-5, and EB-MW-6). Prior to groundwater sampling, the groundwater monitoring wells expandable caps will be opened, and groundwater allowed to equilibrate prior to the collection of static water levels. Purge volumes will be calculated in accordance with WDNR's Groundwater Sampling Field Manual, and sampling will be performed using clean, disposable bailers after purging is complete. The groundwater samples will be collected in laboratory-supplied containers, placed on ice, and transferred under chain-of-custody protocol to a Wisconsin-certified laboratory for analysis, and tested for the following parameters:

- VOCs in accordance with EPA Method 8260B.
- PAHs in accordance with EPA Method 8270D.
- RCRA Metals (ICP) in accordance with EPA Methods 6020A/ 7470A.
- PCBs in accordance with EPA Method 8082A.

The selected laboratory will perform QA/QC procedures in accordance with the company policies. A duplicate and trip blank will also be submitted for VOC laboratory analysis

3.3.6 Investigation Derived Waste Disposal

Soil cuttings will be containerized in labeled 55-gallon drums for temporary storage on site. Upon receipt of the analytical results, K Singh will arrange for the appropriate disposal of the drums generated during well construction. Groundwater purge water will be disposed of to combined sewers via the approved MMSD Notice of Intent.

4.0 Sanitary Sewer Vapor Survey

Per the WDNR request, sewer vapor samples be collected using passive samplers for a minimum duration of one-week from the following sanitary manholes: Sanitary Manhole 25 (EB-IA-1), Sanitary Manhole 26 (EB-IA-2), and Sanitary Manhole 19 (EB-IA-3) which are presented on Figure 2. K Singh personnel will deploy one (1) Radiello 130 passive sampler in each manhole, at approximately 1-foot above the liquid surface utilizing magnets attached to the manhole cover and string support. The passive samplers will be left in place for 1 week, after which point, they will be recovered and shipped under chain of custody protocol to Eurofins Air Toxics, LLC of Folsom, California for laboratory analysis of tetrachloroethene (PCE), trichloroethene (TCE), trans-dichloroethane (DCE), cis-DCE, and vinyl chloride (VC) using USEPA Method TO-15.

The analytical results will be compared to Sanitary Sewer Gas Screening Levels (SSGSLs). The SSGSLs will be calculated in accordance with procedures in WDNR publication RR-649, *Guidance for Documenting the Investigation of Human-made Preferential Pathways Including Utility Corridors*. The SSGSL is calculated by dividing the Vapor Action Level by an attenuation factor of 0.03.

Sanitary sewer flow direction of the sanitary sewer in West Center Street and North 32nd Street rights-of way and locations of historical sewer laterals (if available) will be obtained.

3.4 Supplemental Site Investigation Report

The procedures and results of the SSI will be presented in a *Supplementary Site Investigation Report*, which will include recommendations.

3.11 Project Schedule

The SSI schedule is based on favorable weather conditions, driller availability, and obtaining approvals (if needed) in a timely manner. The following preliminary schedule is proposed:

- | | |
|--|---------------------|
| • Groundwater Monitoring Well Installation | February/March 2024 |
| • Groundwater Monitoring Well Development (1 week after install) | February/March 2024 |
| • Sanitary Sewer Vapor Assessment | February 2024 |
| • Perform Survey of new Groundwater Monitoring Wells | March 2024 |
| • Sample the Groundwater Monitoring Wells (1 week after develop) | March 2024 |
| • Submit SSI Report. | April 2024 |

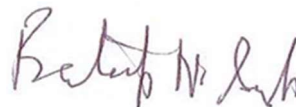
Please contact us at (262) 821-1171 if you have any questions.

Sincerely,

K. SINGH & ASSOCIATES, INC.



Timothy P. Welch, P.G.
Senior Geologist



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

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

Attachments:

- | | |
|--------------|---|
| Figure 1 | Topographic Map of Project Location |
| Figure 2 | Site Diagram |
| Figure 3 | Groundwater Contour Map (November 14, 2023) |
| Table 1 | Soil Quality Test Results |
| Table 2 | Groundwater Elevation Data |
| Table 3 | Groundwater Quality Test Results-VOCs |
| Table 4 | Groundwater Quality Test Results-SVOCs |
| Table 5 | Groundwater Quality Test Results-RCRA Metals |
| Table 6 | Groundwater Quality Test Results-PCBs |
| Attachment A | Soil Boring Logs and Borehole Abandonment Forms |
| Attachment B | Soil Laboratory Analytical Results |
| Attachment C | Groundwater Laboratory Analytical Results |

FIGURES

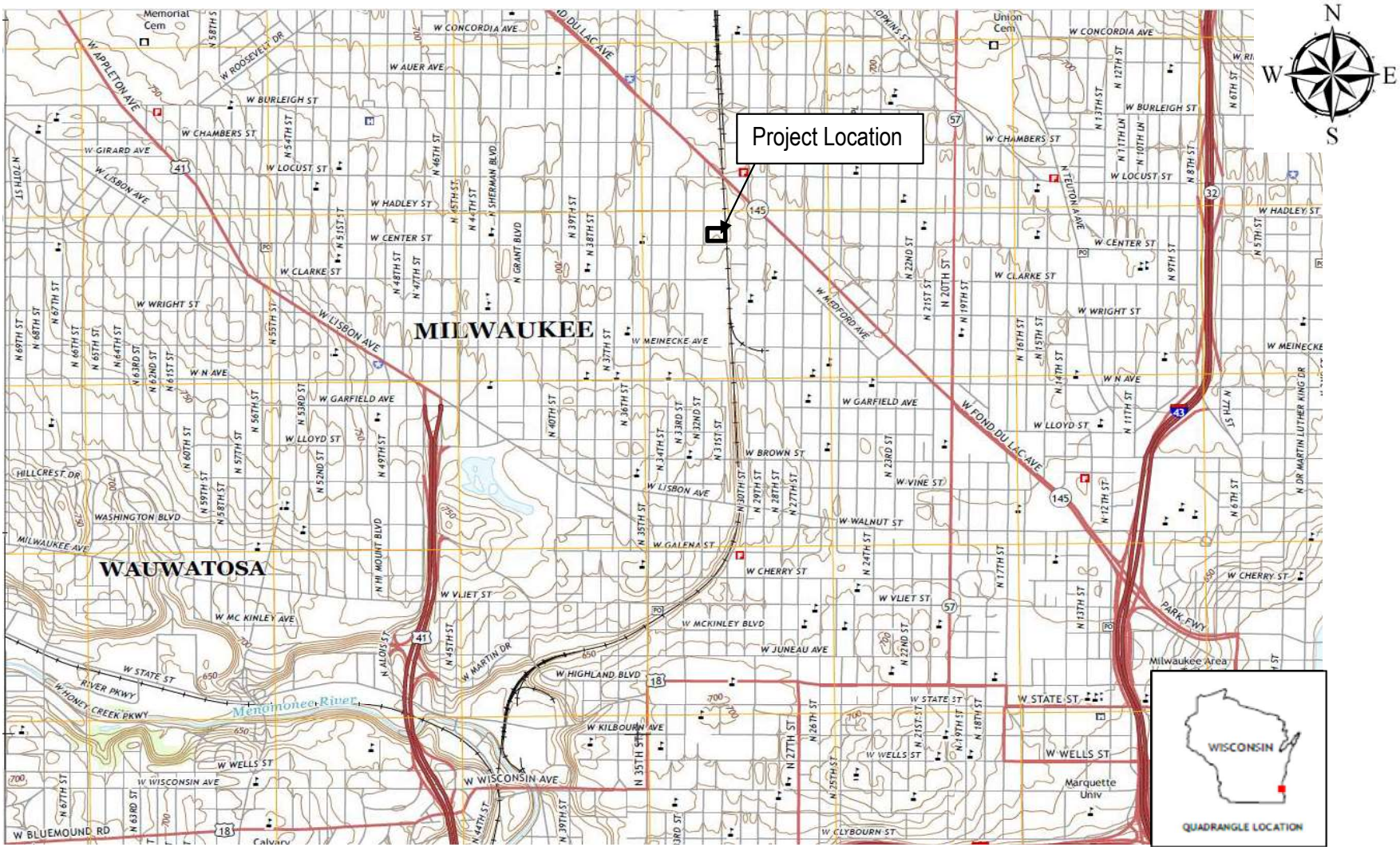
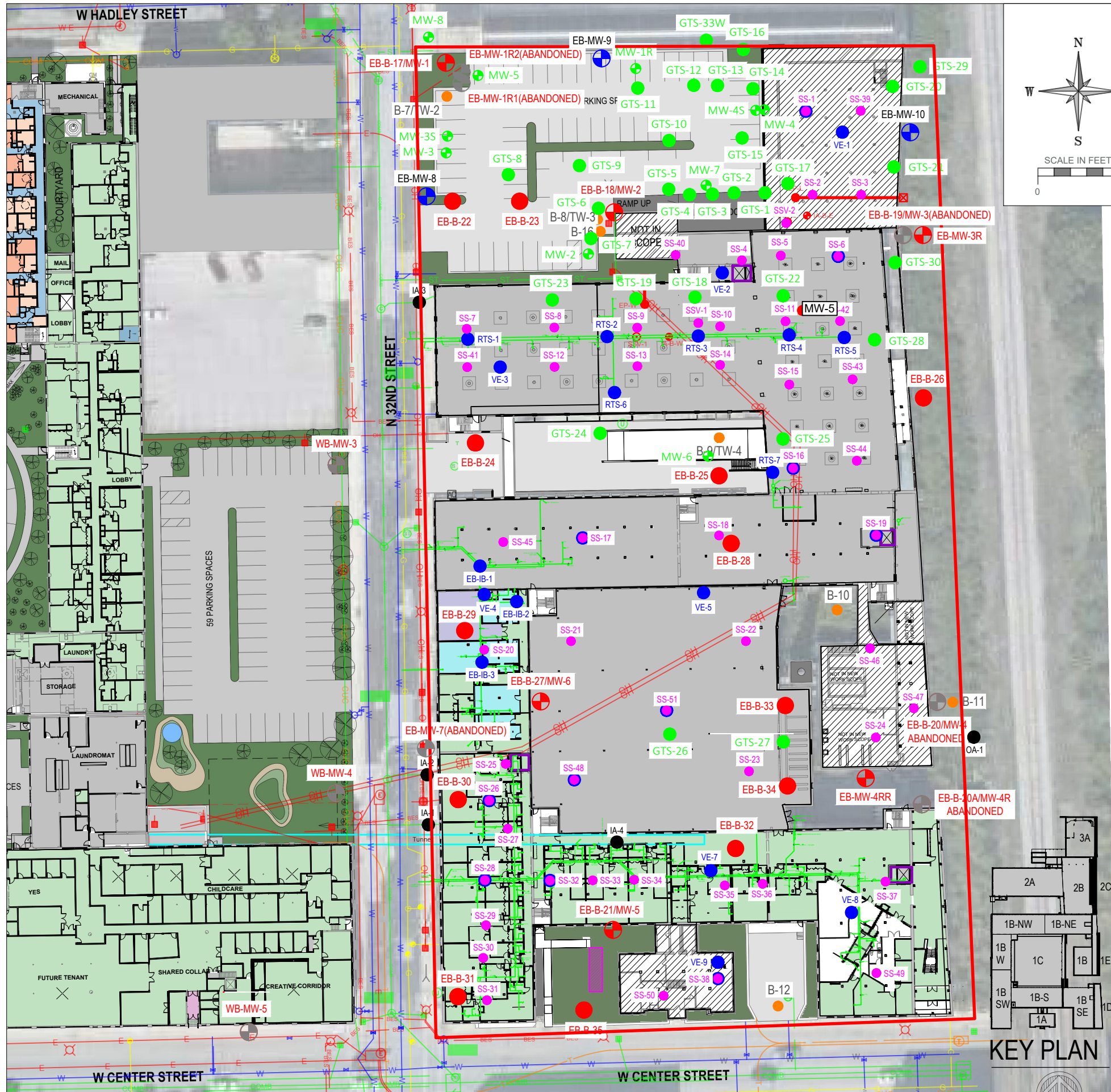


Figure 1. Topographic Map of Project Location from 2016 Milwaukee, WI 7.5-Minute Series
Map Scale 1: 24,000



KEY PLAN

FLOOR FINISH LEGEND

ATH-1	ATHLETIC FLOORING - FLEXIBLE / NON-ADHERED
CPT-1	BROADLOOM CARPET (UNIT BEDROOMS)
CT-1	CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
ERF-1	EPOXY RESINOUS FLOORING
EXTG-WD	EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
EXTG-WS	EXISTING CONCRETE SLAB WITH WEATHER SEAL
LVT-1	LUXURY VINYL TILE (UNIT BATHROOMS)
PC-1	POLISHED CONCRETE
RF-1	RUBBER FLOORING
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
- Planned Underground Plumbing
 - Underground Tunnel
 - Historic Well Locations (10)
 - Historic Soil Probe and Temporary Well Locations (31)
 - Previous Soil Probe, Hand Auger, and Temp. Well Locations (9)
 - Monitoring Well Locations (6)
 - Soil Probe Locations (13)
 - Sub-Slab Soil Sampling Locations (28)
 - Sub-Slab Vapor Sampling Locations (51)
 - Air Sampling Locations (5)
 - Former Approximate Underground Storage Tank Location
 - Approximate Site Boundary
 - Proposed Monitoring Well Locations (3)
 - Proposed Manhole Locations (3)
 - Sanitary Manhole 25 (EB-IA-1)
 - Sanitary Manhole 26 (EB-IA-2)
 - Sanitary Manhole 19 (EB-IA-3)
 - Abandoned/Not Applicable Monitoring Well Locations (10)

- NOTE: COMBINATION OF EXISTING AND PROPOSED PLUMBING
- | | |
|----------------------------|---------------------------|
| EX. AIR CONDITIONER | EX. UG. GAS |
| EX. GAS VALVE | EX. UG. ELECTRIC |
| EX. GAS METER | EX. OVERHEAD WIRES |
| EX. ELECTRIC METER | EX. BUREAU OF ELEC. SERV. |
| EX. ELECTRIC PEDESTAL | EX. UG. COMBINED SEWER |
| EX. ELECTRIC MANHOLE | EX. CITY UG. CONDUIT/COMM |
| EX. ELECTRIC TRANSFORMER | EX. SANITARY SEWER (SAN) |
| EX. POWER / TELEPHONE POLE | EX. STORM SEWER (STO) |
| EX. LIGHT POLE | EX. UG. COMMUNICATIONS |
| EX. TELEPHONE PEDESTAL | EX. UG. TELEPHONE |
| EX. STORM MANHOLE | EX. UG. FIBER OPTICS |
| EX. CATCH BASIN SQUARE | EX. UG. CABLE TELEVISION |
| EX. CLEANOUT | EX. WATER MAIN |
| EX. SANITARY MANHOLE | |
| EX. UNKNOWN MANHOLE | |
| EX. COMBINED SEWER MANHOLE | |
| EX. TELEPHONE MANHOLE | |
| EX. WATER VALVE | |
| EX. HYDRANT | |

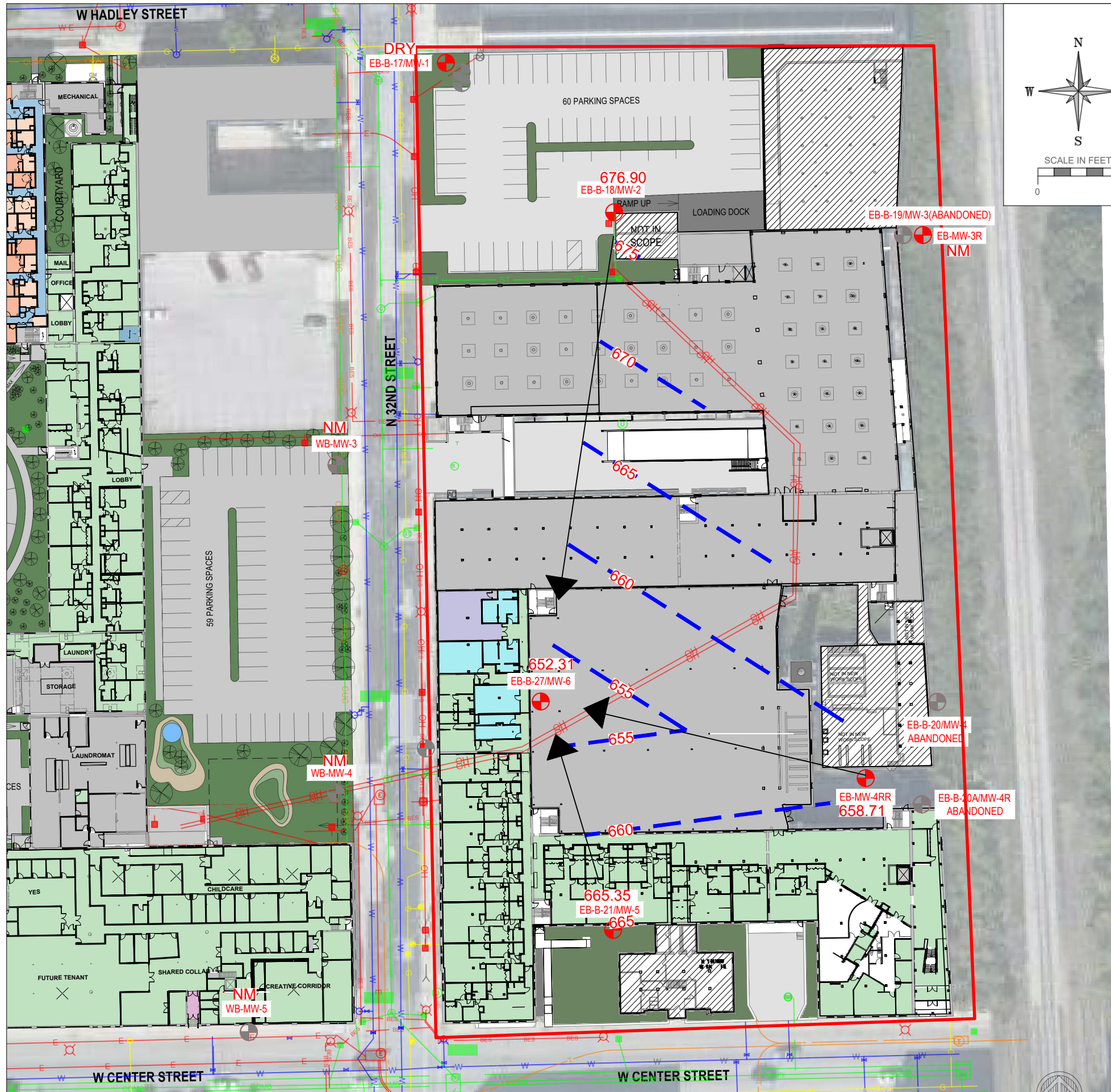
- SAMPLE ID CODES:
- EB = EAST BLOCK
 - B = BORING
 - TW = TEMPORARY WELL
 - MW = MONITORING WELL
 - SS = SUB-SLAB
 - VE = VAPOR EXTRACTION POINT
 - IB = INTERIOR BORING
 - RTS = REPRESENTATIVE TRENCH SAMPLE
 - IA = INDOOR AIR
 - OA = OUTDOOR AIR

PROJECT TITLE: SITE INVESTIGATION REPORT
 COMMUNITY WITHIN THE CORRIDOR
 2748 N. 32nd Street
 MILWAUKEE, WI 53210
 PROJECT NUMBER: 40449
 CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION

DRAWN BY: AMH DATE: 01/10/2024
 CHECKED BY: RTR DATE: 01/10/2024
 SHEET TITLE: SITE DIAGRAM

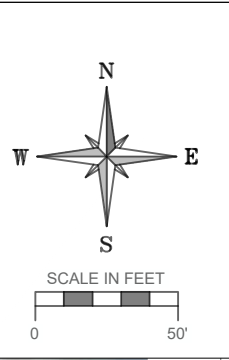
FIGURE 2



FLOOR FINISH LEGEND	
[Color]	ATH-1 ATHLETIC FLOORING - FLEXIBLE / NON-ADHERED
[Color]	CPT-1 BROADLOOM CARPET (UNIT BEDROOMS)
[Color]	CT-1 CERAMIC TILE (UNIT BATHROOMS W/ ROLL-IN SHOWERS ONLY)
[Color]	ERF-1 EPOXY RESINOUS FLOORING
[Color]	EXTG-WD EXISTING WOOD FLOORING TO REMAIN IN PLACE & BE REFINISHED
[Color]	EXTG-WS EXISTING CONCRETE SLAB WITH WEATHER SEAL
[Color]	LVT-1 LUXURY VINYL TILE (UNIT BATHROOMS)
[Color]	PC-1 POLISHED CONCRETE
[Color]	RF-1 RUBBER FLOORING
[Color]	SC-1 SEALED CONCRETE
[Color]	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	
[Symbol]	Monitoring Well Locations (6)
[Symbol]	GROUNDWATER FLOW DIRECTION ARROW
[Symbol]	GROUNDWATER CONTOUR (Dashed were inferred)
	CONTOUR INTERVAL: 5.0'
	GROUNDWATER ELEVATION: (658)
[Symbol]	APPROXIMATE PROPERTY BOUNDARY
	NM = NOT MEASURED

[Color]	EX. UG. GAS
[Color]	EX. UG. ELECTRIC
[Color]	EX. OVERHEAD WIRES
[Color]	EX. BUREAU OF ELEC. SERV.
[Color]	EX. UG. COMBINED SEWER
[Color]	EX. CITY UG. CONDUIT/COMM
[Color]	EX. SANITARY SEWER (SAN)
[Color]	EX. STORM SEWER (STO)
[Color]	EX. UG. COMMUNICATIONS
[Color]	EX. UG. TELEPHONE
[Color]	EX. UG. FIBER OPTICS
[Color]	EX. UG. CABLE TELEVISION
[Color]	EX. WATER MAIN



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PROJECT TITLE: SITE INVESTIGATION REPORT
COMMUNITY WITHIN THE CORRIDOR
2748 N. 32nd Street
MILWAUKEE, WI 53210
PROJECT NUMBER: 40449
CLIENT: COMMUNITY WITHIN THE CORRIDOR LIMITED PARTNERSHIP

REVISIONS	DATE	DESCRIPTION
DRAWN BY AMH	DATE 01/10/2024	
CHECKED BY RTR	DATE 01/10/2024	
SHEET TITLE GROUNDWATER CONTOUR MAP (NOVEMBER 14, 2023)		

FIGURE 3

TABLES

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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	EB-RTS-1	EB-RTS-2	EB-RTS-3	EB-RTS-4	EB-RTS-5	EB-RTS-6	EB-RTS-7	B-7	B-8	B-9	B-10	B-11	B-12	B-16
							0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	3-5	9-11	4-6	3-4	2-3	3.5-5.5	1-2
							Silty CLAY	F. Sandy CLAY	Gravelly CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Sandy CLAY	SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY
							Moist	Moist	Moist	Moist	Moist	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date				4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/10/2020	4/10/2020	4/10/2020	4/23/2020	4/23/2020	4/10/2020	6/25/2020	
Physical Characteristics																				
Percent Moisture				10.7	10.2	12.2	20.0	22.6	11.4	10.0	15.8	10.5	13.0	7.6	6.6	9.2	18.0			
Percent Solids				89.3	89.8	87.8	80.0	77.4	88.6	90.0	84.2	89.5	87	92.4	93.4	90.8	82.0			
Volatile Organic Compounds (VOCs)																				
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	---	<0.028	<0.028	<0.054	<0.033	<0.036	<0.029	<0.028	<0.047	<0.041	<0.051	<0.045	<0.044	<0.041	---
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	---	<0.023	<0.023	<0.045	<0.027	0.032 J	<0.024	<0.023	<0.039	0.18	0.077 J	<0.037	<0.037	<0.034	---
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	---	<0.024	<0.024	<0.047	<0.028	<0.031	<0.025	<0.024	<0.041	<0.035	<0.044	<0.039	<0.038	<0.035	---
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	---	<0.022	<0.021	<0.042	<0.025	<0.028	<0.022	<0.021	<0.036	<0.031	<0.039	<0.035	<0.034	<0.031	---
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	---	<0.025 **	<0.025 **	0.39 **	0.81 **	0.14 **	<0.026 **	<0.025 **	<0.042	<0.036	<0.045	<0.040	<0.039	<0.036	---
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1.190	---	<0.024	<0.024	<0.046	<0.027	<0.031	<0.024	<0.024	<0.040	<0.034	<0.043	<0.040	<0.038	<0.036	---
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	---	<0.018	<0.018	<0.035	<0.021	<0.024	<0.019	<0.018	<0.031	<0.026	<0.033	<0.029	<0.029	<0.026	---
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	---	<0.028	<0.028	<0.054	<0.032	<0.036	<0.029	<0.028	<0.047	<0.040	<0.050	<0.045	<0.044	<0.040	---
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	---	<0.025	<0.025	<0.049	<0.029	<0.033	<0.026	<0.025	<0.042	<0.036	<0.046	<0.041	<0.040	<0.037	---
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	---	<0.021	<0.021	<0.040	<0.024	<0.027	<0.021	<0.021	<0.035	<0.030	<0.038	<0.034	<0.033	<0.030	---
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	---	0.03 J	0.033 J	5.2	0.29	2.2	0.067	<0.022	0.11	34	0.35	<0.035	0.28	<0.032	---
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	---	<0.12	<0.12	<0.23	<0.14	<0.16	<0.12	<0.12	<0.20 *	<0.17 *	<0.22 *	<0.20 *	<0.19	<0.18 *	---
1,2-Dibromoethane	mg/Kg	8260B	0.000282	0.05	0.221	---	<0.024	<0.023	<0.046	<0.027	<0.030	<0.024	<0.024	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034	---
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	---	<0.020	<0.020	<0.039	<0.024	<0.026	<0.021	<0.020	<0.034	<0.029	<0.037	<0.033	<0.032	<0.030	---
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	---	<0.024	<0.024	<0.046	<0.028	<0.031	<0.024	<0.024	<0.040	<0.034	<0.043	<0.038	<0.038	<0.035	---
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	---	<0.026 **	<0.026 **	<0.050 **	<0.030 **	<0.034 **	<0.027 **	<0.026 **	<0.044	<0.038	<0.047	<0.042	<0.041	<0.038	---
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	---	<0.023	<0.023	1.9	0.075	0.25	0.026	<0.023	<0.039	14	0.080 J	<0.037	0.11	<0.034	---
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	---	<0.025	<0.024	<0.047	<0.028	<0.032	<0.025	<0.024	<0.041	<0.035	<0.044	<0.039	<0.038	<0.035	---
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	---	<0.022	<0.022	<0.043	<0.026	<0.029	<0.023	<0.022	<0.037	<0.032	<0.040	<0.035	<0.035	<0.032	---
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	---	<0.022	<0.022	<0.043	<0.026	<0.029	<0.023	<0.022	<0.037	<0.032	<0.040	<0.036	<0.035	<0.032	---
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	---	<0.027	<0.027	<0.052	<0.031	<0.035	<0.028	<0.027	<0.045	<0.039	<0.049	<0.044	<0.043	<0.039	---
2-Chlorotoluene	mg/Kg	8260B	---	907	907	---	<0.019	<0.019	<0.037	<0.022	<0.025	<0.020	<0.019	<0.032	<0.028	<0.035	<0.031	<0.030	<0.028	---
4-Chlorotoluene	mg/Kg	8260B	---	253	253	---	<0.021	<0.021	<0.041	<0.025	<0.028	<0.022	<0.021	<0.036	<0.031	<0.039	<0.034	<0.034	<0.031	---
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	---	<0.0090	<0.0089	0.065	0.044	0.04	0.011 J	<0.0089	0.077	0.13	0.046	<0.014	0.055	<0.013	---
Bromobenzene	mg/Kg	8260B	---	342	679	---	<0.022	<0.022	<0.042	<0.025	<0.028	<0.022	<0.022	<0.036	<0.031	<0.039	<0.035	<0.034	<0.031	---
Bromochloromethane	mg/Kg	8260B	---	216	906	---	<0.026	<0.026	<0.050	<0.030	<0.034	<0.027	<0.026	<0.044	<0.038	<0.047	<0.042 *	<0.041 *	<0.038	---
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	---	<0.023	<0.023	<0.044	<0.026	<0.029	<0.023	<0.023	<0.038	<0.033	<0.041	<0.036	<0.036	<0.033	---
Bromoform	mg/Kg	8260B	0.0023	25.4	113	---	<0.030	<0.029	<0.057	<0.034	<0.038	<0.030	<0.029	<0.050	<0.043	<0.053	<0.047	<0.047	<0.043	---
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	---	<0.049	<0.048	<0.094	<0.056	<0.063	<0.050	<0.048	<0.081 *	<0.070 *	<0.088 *	<0.078 *	<0.077 *F1	<0.070 *	---
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	---	<0.024	<0.023	<0.045	<0.027	<0.030	<0.024	<0.023	<0.039	<0.034	<0.042	<0.038	<0.037	<0.034	---
Chlorobenzene	mg/Kg	8260B	---	370	761	---	<0.024	<0.023	<0.046	<0.027	<0.030	<0.024	<0.024	<0.040	<0.034	<0.042	<0.038	<0.037	<0.034	---
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	---	<0.031	<0.031	<0.059	<0.036	<0.040	<0.031	<0.031	<0.052	<0.044	<0.055	<0.049 *	<0.048 *	<0.045	---
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	---	<0.023	<0.022	<0.044	<0.026	<0.029	<0.023	<0.023	<0.038	<0.032	<0.041	<0.036	<0.036	<0.033	---
Chloromethane	mg/Kg	8260B	0.0155	159	669	---	<0.020	<0.019	<0.038	<0.023	<0.025	<0.020	<0.019	<0.033	<0.028	<0.035	<0.031	<0.031	<0.028	---
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	---	<0.025	<0.025	0.098 J	0.24	0.4	<0.025	<0.025	<0.042	0.052 J	<0.045	<0.040	<0.039	<0.036	---
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	---	<0.026	<0.025	<0.049	<0.029	<0.033	<0.026	<0.025	<0.043	<0.037	<0.046	<0.041	<0.040	<0.037	---
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	---	<0.030	<0.030	<0.058	<0.034	<0.039	<0.030	<0.030	<0.050	<0.043	<0.054	<0.048	<0.047	<0.043	---
Dibromomethane	mg/Kg	8260B	---	34	143	---	<0.017	<0.016	<0.032	<0.019	<0.021	<0.017	<0.016	<0.028	<0.024	<0.030	<0.026 *	<0.026 *	<0.024	---
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	---	<0.041	<0.041	<0.080	<0.048	<0.053	<0.042	<0.041	<0.069	<0.059	<0.074	<0.066	<0.065	<0.060	---
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	---	<0.011	0.013 J	0.61	0.088	0.33	0.016	<0.011	0.051	5.6	0.13	<0.018	0.08	<0.016	---
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	---	<0.027	<0.027	<0.053	<0.031	<0.035	<0.028	<0.027	<0.046	<0.039	<0.049	<0.044	<0.043	<0.039	---
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	---	<0.017	<0.017	<0.033	<0.019	<0.022	<0.017	<0.017	<0.028	<0.024	<0.030	<0.027	<0.027	<0.024	---
Isopropylbenzene	mg/Kg	8260B	---	268	268	---	<0.024	<0.023	0.29	<0.027	0.15	<0.024	<0.023	<0.039	1.8	0.11	<0.038	<0.037	<0.034	---
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	---	<0.024	<0.024	<0.046	<0.028	<0.031	<0.025	<0.024	<0.040	<0.035	<0.04				

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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	EB-RTS-1	EB-RTS-2	EB-RTS-3	EB-RTS-4	EB-RTS-5	EB-RTS-6	EB-RTS-7	B-7	B-8	B-9	B-10	B-11	B-12	B-16
							0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	3-5	9-11	4-6	3-4	2-3	3.5-5.5	1-2
Depth (feet)																				
Soil Type																				
Soil Conditions																				
Sampling Date																				
Method 8260B - Volatile Organic Compounds - TCLP																				
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (SVOCs)																				
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	---	---	---	---	---	---	---	---	<0.038	<0.038	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	---	---	---	---	---	---	---	---	<0.042	<0.042	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	---	---	---	---	---	---	---	---	<0.040	<0.040	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	---	---	---	---	---	---	---	---	<0.045	<0.045	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---	---	---	---	<0.0087	0.27	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.041	<0.041	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	---	---	<0.081	<0.081	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	---	---	---	---	---	---	---	---	<0.12	<0.12	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---	---	---	---	<0.084	<0.084	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---	---	<0.13	<0.13	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	---	---	---	---	---	---	---	---	<0.62	<0.62	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	---	---	---	---	---	---	---	---	<0.056	<0.056	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	---	---	---	---	---	---	---	---	<0.070	<0.070	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	---	---	---	---	---	---	---	---	<0.039	<0.039	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	---	---	---	---	---	---	---	---	<0.061	<0.060	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---	---	---	---	<0.065	0.39	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	---	---	---	---	---	---	---	---	<0.057	<0.057	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	---	---	---	---	---	---	---	---	<0.048	<0.048	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.084	<0.084	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	---	---	---	---	---	---	---	---	<0.059	<0.059	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.050	<0.050	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.11	<0.11	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.28	<0.28	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.047	<0.047	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	---	---	<0.12	<0.12	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	---	---	---	---	---	---	---	---	<0.17	<0.17	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.041	<0.041	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	---	---	---	---	---	---	---	---	<0.15	<0.15	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.34	<0.34	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	---	---	---	---	---	---	---	---	<0.064	<0.064	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.0047	<0.0047	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	---	---	---	---	---	---	---	---	0.016 J	0.087	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	---	---	---	---	---	---	---	---	0.074	0.36	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	---	---	---	---	---	---	---	---	0.11	0.39	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	---	---	---	---	---	---	---	---	0.16	0.59	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.062	0.18	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	---	---	---	---	---	---	---	---	0.05	0.21	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	---	---	---	---	---	---	---	---	<0.35	<0.35	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	---	---	<0.35	<0.35	---
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---	---	---	---	<0.036	<0.036	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	---	---	---	---	---	---	---	---	<0.053	<0.053	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	---	---	---	---	---	---	---	---	<0.065	0.24	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	---	---	---	---	---	---	---	---	<0.067	<0.067	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.089	<0.088	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---	---	---	---	0.094	0.45	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---	---	---	---	<0.0069	0.055	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	---	---	---	---	---	---	---	---	<0.042	0.11 J	---

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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	EB-RTS-1	EB-RTS-2	EB-RTS-3	EB-RTS-4	EB-RTS-5	EB-RTS-6	EB-RTS-7	B-7	B-8	B-9	B-10	B-11	B-12	B-16	
							0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	3-5	9-11	4-6	3-4	2-3	3.5-5.5	1-2	
Depth (feet)																					
Soil Type							Silty CLAY	F. Sandy CLAY	Gravelly CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Sandy CLAY	SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY	
Soil Conditions							Moist	Moist	Moist	Moist	Moist	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	
Sampling Date							4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/10/2020	4/10/2020	4/10/2020	4/23/2020	4/23/2020	4/10/2020	6/25/2020	
Oranochlorine Pesticides																					
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	---	---	---	---	---	---	---	<0.00035	<0.00036	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	---	---	---	---	---	---	---	0.0013 J	0.003	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	---	---	---	---	---	---	---	<0.00093	<0.00094	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	---	---	---	---	---	---	---	---	<0.00073	<0.00074	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	---	---	---	---	---	---	---	<0.00045	<0.00045	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.0012 J	<0.00090	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	---	---	---	---	---	---	---	<0.00055	0.023	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.00056	<0.00056	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	---	---	---	---	---	---	---	---	<0.00024	0.0036	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	---	---	---	---	---	---	---	<0.00077	<0.00078	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.00029	<0.00029	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.00032	<0.00033	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---	---	---	<0.00024	<0.00025	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---	---	---	<0.00030	<0.00030	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.00040	<0.00040	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	---	---	---	---	---	---	---	<0.00038	<0.00039	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.00096 J	<0.00047	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	---	---	---	---	---	---	---	<0.00074	<0.00075	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	---	---	---	---	---	---	---	<0.00063	<0.00063	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	---	---	---	---	---	---	---	<0.00034	<0.00035	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	---	---	---	---	---	---	---	<0.0075	<0.0075	---	---
Herbicides																					
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	---	---	---	---	---	---	---	<0.085	<0.086	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	---	---	---	---	---	---	---	<0.099	<0.10	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	---	---	---	---	---	---	---	<0.10	<0.10	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	---	---	---	---	---	---	---	<0.073	<0.073	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.095	<0.096	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	---	---	---	---	---	---	---	<0.090	<0.090	---	---

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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	EB-RTS-1	EB-RTS-2	EB-RTS-3	EB-RTS-4	EB-RTS-5	EB-RTS-6	EB-RTS-7	B-7	B-8	B-9	B-10	B-11	B-12	B-16	
							0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5	3-5	9-11	4-6	3-4	2-3	3.5-5.5	1-2	
Depth (feet)																					
Soil Type							Silty CLAY	F. Sandy CLAY	Gravelly CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Sandy CLAY	SAND & GRAVEL	Silty CLAY	Sandy CLAY	FILL	FILL	Silty CLAY	Gravelly CLAY	
Soil Conditions							Moist	Moist	Moist	Moist	Moist	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	
Sampling Date							4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/10/2020	4/10/2020	4/10/2020	4/23/2020	4/23/2020	4/10/2020	6/25/2020	
Method 537 (modified) - Fluorinated Alkyl Substances																					
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.16 J B
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.0094
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.051
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.035
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.10
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.044
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.027
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.044
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.082
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.062
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.066
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.054
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.034
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.031
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.024
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.038
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.043
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	0.51 J B
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.024
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.048
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.073
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.10
NEIFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.029
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.050
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.48
N-ethylperfluorooctanesulfonamidoacetic acid (NEIFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.45
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.087
NEFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.044
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.45
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.18
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.31
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.061
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.022
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.13
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.033
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<0.027

(1) From WDNR RCLs Worksheet dated December 2018

Italicized values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

BOLD Underlined values exceed Groundwater Protection, Non-Industrial Direct Contact, or 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 and/or matrix spike duplicate recovery exceeds control limits

F2 MS/MSD RPD exceeds control limits

V Serial Dilution exceeds the control limits

B = Compound was found in the blank and sample

*+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased

* = 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

*** = Combined established standard for NR 720 RCLs for groundwater protection

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	SS-1	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48	SS-51
Depth (feet)						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Soil Type						Silty CLAY	SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Gravelly SAND
Soil Conditions						Unsaturated	Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date						3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	2/24/2021	3/3/2021	2/24/2021	2/24/2021	3/9/2021
Method 8260B - Volatile Organic Compounds - TCLP																
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (SVOCs)																
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	---	---	---	---	---	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	SS-1	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48	SS-51
						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Depth (feet)						Silty CLAY	SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Gravelly SAND
Soil Type						Unsaturated	Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Soil Conditions																
Sampling Date						3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	2/24/2021	3/3/2021	2/24/2021	2/24/2021	3/9/2021
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	---	---	---	---	---	---	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	---	---	---	---	---	---	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	---	---	---	---	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	---	---	---	---	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---	---	---	---	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	---	---	---	---	---	---	---	---	---
RCRA Metals																
Arsenic	mg/Kg	6010B	0.584	0.677	3	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	---	---	---	---	---	---	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/Kg	6010B	91.6	3130	46,700	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	---	---	---	---	---	---	---	---	---	---	---
Mercury	mg/Kg	6010B	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/Kg	6010B	13.0612	1550	22,500	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---	---	---
Zinc	mg/Kg	6010B	---	23,500	100,000	---	---	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	SS-1	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48	SS-51			
Depth (feet)						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Soil Type						Silty CLAY	SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Gravelly SAND
Soil Conditions						Unsaturated	Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date						3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	2/24/2021	3/3/2021	2/24/2021	2/24/2021	3/9/2021			
Oranochlorine Pesticides																			
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	---	---	---	---	---	---			
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	---	---	---	---	---	---			
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	---	---	---	---	---	---			
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	---	---	---	---	---	---	---			
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	---	---	---	---	---	---			
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	---	---	---	---	---	---			
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	---	---	---	---	---	---	---			
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	---	---	---	---	---	---			
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---	---			
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---	---			
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	---	---	---	---	---	---			
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	---	---	---	---	---	---			
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	---	---	---	---	---	---			
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	---	---	---	---	---	---			
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	---	---	---	---	---	---			
Herbicides																			
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	---	---	---	---	---	---			
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	---	---	---	---	---	---			
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	---	---	---	---	---	---			
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	---	---	---	---	---	---			
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	---	---	---	---	---	---			

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	SS-1	SS-6	SS-16	SS-17	SS-19	SS-26	SS-28	SS-32	SS-38	SS-48	SS-51			
Depth (feet)						0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Soil Type						Silty CLAY	SAND & GRAVEL	SAND & GRAVEL	Gravelly SAND	Sandy GRAVEL	SAND & GRAVEL	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Gravelly SAND
Soil Conditions						Unsaturated	Saturated	Saturated	Unsaturated	Unsaturated	Moist	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date						3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	3/9/2021	2/24/2021	3/3/2021	2/24/2021	2/24/2021	3/9/2021			
Method 537 (modified) - Fluorinated Alkyl Substances																			
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---			
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---			
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
NEIFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
N-ethylperfluorooctanesulfonamidoacetic acid (NEFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
NEFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

(1) From WDNR RCLs Worksheet dated December 2018
Italicized values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
BOLD Underlined values exceed Groundwater Protection, Non-Industrial Direct Contact, or 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 and/or matrix spike duplicate recovery exceeds control limits
 F2 MS/MSD RPD exceeds control limits
 V Serial Dilution exceeds the control limits
 B = Compound was found in the blank and sample
 *+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased
 * = 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
 *** = Combined established standard for NR 720 RCLs for groundwater protection

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8	EB-IB-1	EB-IB-2	EB-IB-3
						0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0.5-1.5	0.5-1.5	0.5-1.5	
Depth (feet)						Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Sandy CLAY	---	---	---
Soil Type						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Moist	Unsaturated
Soil Conditions						2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	4/14/2021	4/14/2021
Sampling Date																
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	---	---	---	---	---	---	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	---	---	---	---	---	---	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	---	---	---	---	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	---	---	---	---	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---	---	---	---	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	---	---	---	---	---	---	---	---	---
RCRA Metals																
Arsenic	mg/Kg	6010B	0.584	0.677	3	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	---	---	---	---	---	---	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/Kg	6010B	91.6	3130	46,700	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	---	---	---	---	---	---	---	---	---	---	---
Mercury	mg/Kg	6010B	0.208	3.13	3.13	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/Kg	6010B	13.0612	1550	22,500	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	---	---	---	---	---
Zinc	mg/Kg	6010B	---	23,500	100,000	---	---	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8	EB-IB-1	EB-IB-2	EB-IB-3
Depth (feet)						0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0-1	0-1	0.5-1.5	0.5-1.5
Soil Type						Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Sandy CLAY	---	---	---
Soil Conditions						Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unsaturated	Unstaturated	Unstaturated	Unsaturated	Unsaturated	Moist	Unsaturated
Sampling Date						2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	4/14/2021	4/14/2021
Oranochlorine Pesticides																
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	---	---	---	---	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	---	---	---	---	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	---	---	---	---	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	---	---	---	---	---	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	---	---	---	---	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	---	---	---	---	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	---	---	---	---	---	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	---	---	---	---	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	---	---	---	---	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	---	---	---	---	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	---	---	---	---	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	---	---	---	---	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	---	---	---	---	---	---
Herbicides																
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	---	---	---	---	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	---	---	---	---	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	---	---	---	---	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	---	---	---	---	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	VE-1	VE-2	VE-3	VE-4		VE-5	VE-7	VE-8	EB-IB-1	EB-IB-2	EB-IB-3					
Depth (feet)						0-1	0-1	0-1	0-1	0.5-1.5	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	
Soil Type						Sandy CLAY	Clayey SAND	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Silty CLAY
Soil Conditions						Unsaturated	Unsaturated	Unsaturated	Unstaturated	Unsaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Unstaturated	Moist	Unstaturated
Sampling Date						2/24/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	2/24/2021	2/24/2021	2/24/2021	4/14/2021	4/14/2021	4/14/2021					
Method 537 (modified) - Fluorinated Alkyl Substances																					
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---					
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---					
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
NEIFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
N-ethylperfluorooctanesulfonamidoacetic acid (NEFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
NEFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---					

(1) From WDNR RCLs Worksheet dated December 2018
Italicized values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
BOLD Underlined values exceed Groundwater Protection, Non-Industrial Direct Contact, or 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 and/or matrix spike duplicate recovery exceeds control limits
 F2 MS/MSD RPD exceeds control limits
 V Serial Dilution exceeds the control limits
 B = Compound was found in the blank and sample
 *+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased
 * = 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
 *** = Combined established standard for NR 720 RCLs for groundwater protection

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-17/MW-1		EB-B-18/MW-2	EB-MW-1R ₂		EB-B-19/MW-3		EB-B-20/MW-4		EB-B-21/MW-5		EB-MW-7	EB-B-22	
						1-4	16-18	2-4	28-30	63-65	1-4.5	6.5-8.5	2-5	23-24	2-4	7-9	2-4	1-4	4-6
						Fill / Silty Clay	Silty CLAY	FILL	Silty CLAY	Silty CLAY	FILL	FILL / Silty CLAY	FILL	Silty CLAY	FILL	Silty CLAY	FILL	Silty CLAY	Silty CLAY
Soil Conditions						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date						5/4/2021	5/4/2021	6/3/2021	3/21/2023	3/22/2023	7/21/2021	7/21/2021	7/21/2021	7/21/2021	6/3/2021	6/3/2021	3/22/2023	5/5/2021	5/5/2021
Oranochlorine Pesticides																			
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	<0.0051	---	<0.00093	---	---	---	---	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	<0.0049	---	<0.00089	---	---	---	---	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	<0.0045	---	<0.00082	---	---	---	---	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	---	<0.0066	---	<0.0012	---	---	---	---	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	<0.0053	---	<0.00097	---	---	---	---	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	<0.0076	---	<0.0014	---	---	---	---	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	<0.0051	---	<0.00092	---	---	---	---	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	<0.0045	---	<0.00083	---	---	---	---	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	---	<0.0049	---	<0.00090	---	---	---	---	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	<0.0051	---	<0.00093	---	---	---	---	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	<0.0052	---	<0.00095	---	---	---	---	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	<0.0052	---	<0.00096	---	---	---	---	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	<0.0048	---	<0.00088	---	---	---	---	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	<0.0054	---	<0.00098	---	---	---	---	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	<0.0046	---	<0.00084	---	---	---	---	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	<0.0047	---	<0.00086	---	---	---	---	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	<0.0054	---	<0.00099	---	---	---	---	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	<0.0051	---	<0.00093	---	---	---	---	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	<0.0051	---	<0.00093	---	---	---	---	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	<0.0062	---	<0.0011	---	---	---	---	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	<0.038	---	<0.0069	---	---	---	---	---	---
Herbicides																			
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	<0.013	---	<0.0023	---	---	---	---	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	<0.077	---	<0.014	---	---	---	---	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	0.055 J	---	<0.0076	---	---	---	---	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	<0.0077	---	<0.0014	---	---	---	---	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	<0.018	---	<0.0033	---	---	---	---	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	<0.0077	---	<0.0014	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-17/MW-1		EB-B-18/MW-2	EB-MW-1R ₂		EB-B-19/MW-3		EB-B-20/MW-4		EB-B-21/MW-5		EB-MW-7	EB-B-22			
						1-4	16-18	2-4	28-30	63-65	1-4.5	6.5-8.5		2-5	23-24		2-4	7-9	2-4	1-4	4-6
						Fill / Silty Clay	Silty CLAY	FILL	Silty CLAY	Silty CLAY	FILL	FILL / Silty CLAY		FILL	Silty CLAY		FILL	Silty CLAY	Silty CLAY	Fill / Silty Clay	Silty CLAY
Soil Type						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated		
Soil Conditions																					
Sampling Date						5/4/2021	5/4/2021	6/3/2021	3/21/2023	3/22/2023	7/21/2021	7/21/2021	7/21/2021	7/21/2021	6/3/2021	6/3/2021	3/22/2023	5/5/2021	5/5/2021		
Method 537 (modified) - Fluorinated Alkyl Substances																					
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
NEtFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
NEtFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		

(1) From WDNR RCLs Worksheet dated December 2018
italicized values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
BOLD Underlined values exceed Groundwater Protection, Non-Industrial Direct Contact, or 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 and/or matrix spike duplicate recovery exceeds control limits
 F2 MS/MSD RPD exceeds control limits
 V Serial Dilution exceeds the control limits
 B = Compound was found in the blank and sample
 * = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased
 * = 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
 *** = Combined established standard for NR 720 RCLs for groundwater protection

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	EB-B-23	
						1-4 Fill	4-7 Fill
Depth (feet)						Unsaturated	Unsaturated
Soil Type						5/5/2021	5/5/2021
Soil Conditions							
Sampling Date							
Physical Characteristics							
Percent Moisture						12.1	18.7
Percent Solids						87.9	81.3
Volatile Organic Compounds (VOCs)							
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	<0.029 *	<0.034 *
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	0.10	<0.028
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	<0.025	<0.029
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	<0.022 *	<0.026 *
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	<0.026 *	<0.030 *
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1,190	<0.025	<0.029
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	<0.019	<0.022
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	<0.029	<0.034
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	<0.026 *	<0.031 *
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	<0.022	<0.025
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	<0.023	<0.026
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	<0.13 *	<0.15 *
1,2-Dibromoethane	mg/Kg	8260B	0.000282	0.05	0.221	<0.025 *	<0.029 *
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.021 *	<0.025 *
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	<0.025 *	<0.029 *
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	<0.027 *	<0.032 *
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.024	<0.028
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.025	<0.030
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	<0.023	<0.027
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.023 *	<0.027 *
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	<0.028	<0.033
2-Chlorotoluene	mg/Kg	8260B	---	907	907	<0.020	<0.023
4-Chlorotoluene	mg/Kg	8260B	---	253	253	<0.022	<0.026
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<0.0093 *	<0.011 *
Bromobenzene	mg/Kg	8260B	---	342	679	<0.023 *	<0.026 *
Bromochloromethane	mg/Kg	8260B	---	216	906	<0.027 *	<0.032 *
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	<0.024 *	<0.027 *
Bromoform	mg/Kg	8260B	0.0023	25.4	113	<0.031 *	<0.036 *
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	<0.051 *	<0.059 *
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	<0.024	<0.028
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.025 *	<0.029 *
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	<0.032 *	<0.037 *
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	<0.024 *	<0.027 *
Chloromethane	mg/Kg	8260B	0.0155	159	669	<0.020	<0.024
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	<0.026 *	<0.030 *
cis-1,3-Dichloropropane	mg/Kg	8260B	0.0003	1,210	1,210	<0.026	<0.031
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	<0.031 *	<0.036 *
Dibromomethane	mg/Kg	8260B	---	34	143	<0.017 *	<0.020 *
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	<0.043	<0.050 F1
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.012	<0.014
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	<0.028	<0.033
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	<0.018	<0.020
Isopropylbenzene	mg/Kg	8260B	---	268	268	<0.024	<0.028
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	<0.025 *	<0.029 *
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.10 *	<0.12 *
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	0.029 J	<0.025
n-Butylbenzene	mg/Kg	8260B	---	108	108	<0.025	<0.029
N-Propylbenzene	mg/Kg	8260B	---	264	264	<0.026	<0.031
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	<0.023	<0.027
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.025	<0.029
Styrene	mg/Kg	8260B	0.22	867	867	<0.025 *	<0.029 *
tert-Butylbenzene	mg/Kg	8260B	---	183	183	<0.025	<0.029
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	<0.024	<0.027
Toluene	mg/Kg	8260B	1.1072	818	818	0.038 *	<0.011 *
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	<0.022 *	<0.026 *
trans-1,3-Dichloropropane	mg/Kg	8260B	---	1,510	1,510	<0.023	<0.027
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	0.15 *	<0.012 *
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	<0.027	<0.032
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	<0.017	<0.019
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1,212	0.034	<0.016

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	EB-B-23	
						1-4	4-7
						Fill	Fill
						Unsaturated	Unsaturated
Sampling Date						5/5/2021	5/5/2021
Method 8260B - Volatile Organic Compounds - TCLP							
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---
Semivolatile Organic Compounds (SVOCs)							
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---
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	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	EB-B-23	
						1-4	4-7
						Fill	Fill
						Unsaturated	Unsaturated
Sampling Date						5/5/2021	5/5/2021
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---
Polycyclic Aromatic Hydrocarbons (PAHs)							
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	0.19 J	0.041 J
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	0.067 J	0.015 J
Acenaphthene	mg/Kg	8270D	---	3590	45,200	0.25	0.042
Acenaphthylene	mg/Kg	8270D	---	---	---	0.044 J	0.0065 J
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	0.45	0.016 J
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	2.5	0.068
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	2.4	0.062
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	3.5	0.077
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	1.1	0.036 J
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	1.4	0.016 J
Chrysene	mg/Kg	8270D	0.1442	115	2110	3.2	0.075
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	0.27	<0.0078
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	7.5	0.12
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	0.22	0.019 J
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	1.1	0.035 J
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	0.052 J	0.028 J
Phenanthrene	mg/Kg	8270D	---	---	---	3.7	0.091
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	6.2	0.15
Polychlorinated Biphenyls (PCBs)							
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	<0.0067	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	<0.0083	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	<0.0082	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	<0.0062	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	<0.0075	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	0.12	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	<0.0093	---
RCRA Metals							
Arsenic	mg/Kg	6010B	0.584	0.677	3	4.8	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	---	---
Copper	mg/Kg	6010B	91.6	3130	46,700	---	---
Lead	mg/Kg	6010B	27	400	800	43	---
Mercury	mg/Kg	6010B	0.208	3.13	3.13	---	---
Nickel	mg/Kg	6010B	13.0612	1550	22,500	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---
Zinc	mg/Kg	6010B	---	23,500	100,000	---	---

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	EB-B-23	
						1-4	4-7
						Fill	Fill
						Unsaturated	Unsaturated
Sampling Date						5/5/2021	5/5/2021
Oranochlorine Pesticides							
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---
Herbicides							
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-23	
						1-4	4-7
						Fill	Fill
						Unsaturated	Unsaturated
Sampling Date						5/5/2021	5/5/2021
Method 537 (modified) - Fluorinated Alkyl Substances							
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---
Perfluorotridecanoic acid (PFTrIA)	ug/Kg	537	---	---	---	---	---
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---
NEtFOSA	ug/Kg	537	---	---	---	---	---
NMeFOSA	ug/Kg	537	---	---	---	---	---
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/Kg	537	---	---	---	---	---
NMeFOSE	ug/Kg	537	---	---	---	---	---
NEtFOSE	ug/Kg	537	---	---	---	---	---
4:2 FTS	ug/Kg	537	---	---	---	---	---
6:2 FTS	ug/Kg	537	---	---	---	---	---
8:2 FTS	ug/Kg	537	---	---	---	---	---
10:2 FTS	ug/Kg	537	---	---	---	---	---
DONA	ug/Kg	537	---	---	---	---	---
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---
F-53B Major	ug/Kg	537	---	---	---	---	---
F-53B Minor	ug/Kg	537	---	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018
Italicized values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs
BOLD Underlined values exceed Groundwater Protection, Non-Industrial Direct Contact, or 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 and/or matrix spike duplicate recovery exceeds control limits
 F2 MS/MSD RPD exceeds control limits
 V Serial Dilution exceeds the control limits
 B = Compound was found in the blank and sample
 *+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased
 * = 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
 *** = Combined established standard for NR 720 RCLs for groundwater protection

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

Sample	Units	Method	NR 720 RCLs - Non-Industrial Use for Direct Protection (1)	NR 720 RCLs - Industrial Use for Direct Contact Protection (1)	EB-B-24		EB-B-25		EB-B-26		EB-B-27/MW-6		EB-B-28		EB-B-29		EB-B-30		
					1-4.5	8-10	1-4	14-15	1-4.5	8-10	1-4	18-20	2-4	8-10	2-4	8-10	2-4	8-10	
					FILL	Silty CLAY	FILL	Silty CLAY	FILL	FILL / Silty CLAY	FILL	Silty/Sandy CLAY	Fill	SAND & CLAY	Silty CLAY	Silty CLAY	Fill	SAND & CLAY	
					Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date					7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021		
Physical Characteristics																			
Percent Moisture					10.8	10.6	18	11	3	10.6	8.3	7.8	15.4	9	9.3	11.1	18	12.1	
Percent Solids					89.2	89.4	82	89	97	89.4	91.7	92.2	84.6	91	90.7	88.9	82	87.9	
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	<0.029	<0.028	<0.043	<0.029	<0.022	<0.028	<0.027	<0.027	<0.032	<0.027	<0.028	<0.029	<0.033	<0.030
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	<0.023	<0.023	<0.035	<0.024	<0.018	<0.023	<0.022	<0.026	<0.022	0.031 J	<0.024	<0.027	<0.024	
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	<0.025	<0.024	<0.037	<0.025	<0.019	<0.024	<0.023	<0.023	<0.027	<0.023	<0.024	<0.025	<0.028	<0.026
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	<0.022	<0.021	<0.033	<0.022	<0.017	<0.022	<0.021	<0.020	<0.024	<0.021	<0.021	<0.022	<0.025	<0.023
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	<0.025	<0.025	<0.038	<0.025	<0.020	<0.025	<0.024	<0.024	<0.028	<0.024	<0.025	<0.025	<0.029	<0.026
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1.190	<0.024	<0.024	<0.036	<0.024	<0.019	<0.024	<0.023	<0.022	<0.027	<0.023	<0.024	<0.024	<0.028	<0.025
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	<0.018	<0.018	<0.028	<0.018	<0.014	<0.018	<0.017	<0.017	<0.020	<0.018	<0.018	<0.019	<0.021	<0.019
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	<0.028	<0.028	<0.043	<0.028	<0.022	<0.028	<0.027	<0.026	<0.031	<0.027	<0.028	<0.028	<0.032	<0.030
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	<0.026	<0.025	<0.038	<0.026	<0.020	<0.025	<0.024	<0.024	<0.028	<0.024	<0.025	<0.026	<0.029	<0.027
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	<0.021	<0.021	<0.032	<0.021	<0.017	<0.021	<0.020	<0.020	<0.023	<0.020	<0.021	<0.021	<0.024	<0.022
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	<0.022	<0.022	<0.033	<0.022	<0.017	0.11	<0.021	<0.021	<0.024	<0.021	<0.022	<0.022	<0.025	<0.023
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	<0.12	<0.12	<0.19	<0.12	<0.097	<0.12	<0.12	<0.11	<0.14	<0.12	<0.12	<0.12	<0.14	<0.13
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	<0.024	<0.024	<0.036	<0.024	<0.019	<0.024	<0.023	<0.022	<0.026	<0.023	<0.023	<0.024	<0.027	<0.025
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.021	<0.020	<0.031	<0.021	<0.016	<0.020	<0.020	<0.019	<0.023	<0.020	<0.020	<0.021	<0.024	<0.022
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	<0.024	<0.024	<0.036	<0.024	<0.019	<0.024	<0.023	<0.023	<0.027	<0.023	<0.024	<0.024	<0.028	<0.025
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	<0.026	<0.026	<0.040	<0.027	<0.021	<0.026	<0.025	<0.025	<0.029	<0.025	<0.026	<0.027	<0.030	<0.028
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.023	<0.023	<0.035	<0.024	<0.018	0.035 J	<0.022	<0.022	<0.026	<0.022	<0.023	<0.024	<0.027	<0.024
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.025	<0.024	<0.037	<0.025	<0.019	<0.024	<0.023	<0.023	<0.024	<0.024	<0.025	<0.025	<0.028	<0.026
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	<0.022	<0.022	<0.034	<0.022	<0.018	<0.022	<0.021	<0.021	<0.025	<0.021	<0.022	<0.022	<0.026	<0.023
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.023	<0.022	<0.034	<0.023	<0.018	<0.022	<0.021	<0.021	<0.025	<0.021	<0.022	<0.023	<0.026	<0.023
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	<0.027	<0.027	<0.041	<0.028	<0.022	<0.027	<0.026	<0.026	<0.030	<0.026	<0.027	<0.027	<0.031	<0.029
2-Chlorotoluene	mg/Kg	8260B	---	907	907	<0.019	<0.019	<0.029	<0.019	<0.015	<0.019	<0.018	<0.018	<0.021	<0.019	<0.019	<0.019	<0.022	<0.020
4-Chlorotoluene	mg/Kg	8260B	---	253	253	<0.022	<0.021	<0.033	<0.022	<0.017	<0.021	<0.020	<0.020	<0.024	<0.021	<0.021	<0.022	<0.025	<0.023
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<0.0090	<0.0089	<0.014	<0.0090	<0.0071	0.032	<0.0085	<0.0084	<0.010	<0.0086	<0.0089	<0.0091	<0.010	<0.0094
Bromobenzene	mg/Kg	8260B	---	342	679	<0.022	<0.022	<0.033	<0.022	<0.017	<0.022	<0.021	<0.020	<0.024	<0.021	<0.022	<0.022	<0.025	<0.023
Bromochloromethane	mg/Kg	8260B	---	216	906	<0.026	<0.026	<0.040	<0.027	<0.021	<0.026	<0.025	<0.025	<0.029	<0.025	<0.026	<0.027	<0.030	<0.028
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	<0.023	<0.023	<0.035	<0.023	<0.018	<0.023	<0.022	<0.021	<0.025	<0.022	<0.023	<0.023	<0.026	<0.024
Bromoform	mg/Kg	8260B	0.0023	25.4	113	<0.030	<0.030	<0.045	<0.030	<0.023	<0.030	<0.028	<0.028	<0.033	<0.029	<0.029	<0.030	<0.034	<0.031
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	<0.049	<0.049	<0.074	<0.049	<0.039	<0.049	<0.047	<0.046	<0.054	<0.047	<0.048	<0.049	<0.056	<0.051
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	<0.024	<0.023	<0.036	<0.024	<0.019	<0.023	<0.022	<0.022	<0.026	<0.023	<0.023	<0.024	<0.027	<0.025
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.024	<0.024	<0.036	<0.024	<0.019	<0.024	<0.023	<0.022	<0.026	<0.023	<0.023	<0.024	<0.027	<0.025
Chloroethane	mg/Kg	8260B	0.2266	2.120	2.120	<0.031	<0.031	<0.047	<0.031	<0.024	<0.031	<0.030	<0.029	<0.034	<0.030	<0.031	<0.031	<0.036	<0.032
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	<0.023	<0.023	<0.034	<0.023	<0.018	<0.023	<0.022	<0.021	<0.025	<0.022	<0.022	<0.023	<0.026	<0.024
Chloromethane	mg/Kg	8260B	0.0155	159	669	<0.020	<0.020	<0.030	<0.020	<0.016	<0.020	<0.019	<0.018	<0.022	<0.019	<0.019	<0.020	<0.023	<0.021
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2.340	<0.025	<0.025	<0.038	<0.025	<0.020	<0.025	<0.024	<0.023	0.55	<0.024	<0.025	<0.025	<0.029	<0.026
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1.210	1.210	<0.026	<0.025	<0.039	<0.026	<0.020	<0.025	<0.024	<0.024	<0.028	<0.025	<0.025	<0.026	<0.029	<0.027
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	<0.030	<0.030	<0.045	<0.030	<0.024	<0.030	<0.029	<0.028	<0.033	<0.029	<0.030	<0.030	<0.035	<0.031
Dibromomethane	mg/Kg	8260B	---	34	143	<0.017	<0.016	<0.025	<0.017	<0.013	<0.017	<0.016	<0.016	<0.018	<0.016	<0.016	<0.017	<0.019	<0.017
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	<0.042	<0.041	<0.063	<0.042	<0.033	<0.041	<0.039	<0.039	<0.046	<0.040	<0.041	<0.042	<0.048	<0.043
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.011	<0.011	<0.017	<0.011	<0.0089	0.029	<0.011	<0.011	<0.012	<0.011	<0.011	<0.011	<0.013	<0.012
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	<0.028	<0.027	<0.041	<0.028	<0.022	<0.027	<0.026	<0.026	<0.030	<0.026	<0.027	<0.028	<0.032	<0.029
Isopropyl ether	mg/Kg	8260B	---	2.260	2.260	<0.017	<0.017	<0.026	<0.017	<0.013	<0.017	<0.016	<0.016	<0.019	<0.016	<0.017	<0.017	<0.020	<0.018
Isopropylbenzene	mg/Kg	8260B	---	268	268	<0.024	<0.023	<0.036	<0.024	<0.019	<0.023	<0.022	<0.022	<0.026	<0.023	<0.023	<0.024	<0.027	<0.025
Methyl tert-butyl ether	mg/Kg	8260B	0.027	6															

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-24		EB-B-25		EB-B-26		EB-B-27/MW-6		EB-B-28		EB-B-29		EB-B-30	
						1-4.5	8-10	1-4	14-15	1-4.5	8-10	1-4	18-20	2-4	8-10	2-4	8-10	2-4	8-10
Depth (feet)						FILL	Silty CLAY	FILL	Silty CLAY	FILL	FILL / Silty CLAY	FILL	Silty/Sandy CLAY	Fill	SAND & CLAY	Silty CLAY	Silty CLAY	Fill	SAND & CLAY
Soil Type						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Soil Conditions						7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021
Sampling Date																			
Method 8260B - Volatile Organic Compounds - TCLP																			
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (SVOCs)																			
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	<0.036	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	<0.040	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	<0.038	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	<0.043	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	<0.0082	---	---	---	---	---	---	---	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	<0.039	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	<0.077	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	<0.12	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	<0.080	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	<0.13	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	<0.59	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	<0.054	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	<0.066	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	<0.037	---	---	---	---	---	---	---	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	<0.058	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	<0.0062	---	---	---	---	---	---	---	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	<0.054	---	---	---	---	---	---	---	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	<0.045	---	---	---	---	---	---	---	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	<0.080	---	---	---	---	---	---	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	<0.056	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	<0.047	---	---	---	---	---	---	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	<0.10	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	<0.27	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	<0.045	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	<0.11	---	---	---	---	---	---	---	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	<0.16	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	<0.039	---	---	---	---	---	---	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	<0.14	---	---	---	---	---	---	---	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	<0.32	---	---	---	---	---	---	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	---	---	---	---	<0.0061	---	---	---	---	---	---	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	---	---	---	---	<0.0045	---	---	---	---	---	---	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	---	---	---	---	<0.0056	---	---	---	---	---	---	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	---	---	---	---	0.0080 J	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	---	---	---	---	0.0073 J	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	---	---	---	---	0.0097 J	---	---	---	---	---	---	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	---	---	---	---	<0.011	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	---	---	---	---	<0.010	---	---	---	---	---	---	---	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	<0.34	---	---	---	---	---	---	---	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	<0.34	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	<0.034	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	<0.051	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	<0.062	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	<0.064	---	---	---	---	---	---	---	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	<0.084	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	<0.0092	---	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	<0.0065	---	---	---	---	---	---	---	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	<0.040	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-24		EB-B-25		EB-B-26		EB-B-27/MW-6		EB-B-28		EB-B-29		EB-B-30	
						1-4.5	8-10	1-4	14-15	1-4.5	8-10	1-4	18-20	2-4	8-10	2-4	8-10	2-4	8-10
						FILL	Silty CLAY	FILL	Silty CLAY	FILL	FILL / Silty CLAY	FILL	Silty/Sandy CLAY	Fill	SAND & CLAY	Silty CLAY	Silty CLAY	Fill	SAND & CLAY
						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date						7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	<0.057	---	---	---	---	---	---	---	---	
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	<0.044	---	---	---	---	---	---	---	---	
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	<0.051	---	---	---	---	---	---	---	---	
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	<0.055	---	---	---	---	---	---	---	---	
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	0.016 J	---	---	---	---	---	---	---	---	
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	<0.0047	---	---	---	---	---	---	---	---	
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	<0.0078	---	---	---	---	---	---	---	---	
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	<0.053	---	---	---	---	---	---	---	---	
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	<0.19	---	---	---	---	---	---	---	---	
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	<0.051	---	---	---	---	---	---	---	---	
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	<0.0088	---	---	---	---	---	---	---	---	
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	<0.038	---	---	---	---	---	---	---	---	
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	<0.0052	---	---	---	---	---	---	---	---	
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	<0.0084	---	---	---	---	---	---	---	---	
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	<0.041	---	---	---	---	---	---	---	---	
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	<0.040	---	---	---	---	---	---	---	---	
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	<0.54	---	---	---	---	---	---	---	---	
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	0.013 J	---	---	---	---	---	---	---	---	
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	<0.075	---	---	---	---	---	---	---	---	
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	0.011 J	---	---	---	---	---	---	---	---	
Polycyclic Aromatic Hydrocarbons (PAHs)																			
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	0.087	<0.0088	0.29	0.0097 J	---	0.17	<0.0085	<0.0085	0.039 J	<0.0087	<0.0088	<0.0087	<0.0098	<0.0090
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	0.078	<0.0066	0.36	0.013 J	---	0.21	<0.0064	0.0087 J	0.041 J	0.025 J	<0.0066	<0.0065	<0.0074	0.0078 J
Acenaphthene	mg/Kg	8270D	---	3590	45,200	0.28	<0.0065	0.021 J	0.023 J	---	<0.0067	<0.0063	0.0079 J	0.0095 J	<0.0064	<0.0065	<0.0064	<0.0072	<0.0066
Acenaphthylene	mg/Kg	8270D	---	---	---	0.012 J	<0.0047	0.0065 J	<0.0049	---	<0.0049	<0.0046	<0.0046	<0.0051	<0.0047	<0.0048	<0.0047	<0.0053	<0.0048
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	0.55	<0.0060	0.052	0.049	---	0.011 J	<0.0058	0.0074 J	<0.0065	<0.0060	<0.0060	0.0077 J	<0.0067	0.0067 J
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	1.3	<0.0048	0.13	0.058	---	0.038	0.011 J	<0.0047	<0.0052	<0.0048	<0.0049	<0.0048	<0.0054	<0.0049
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	1.4	<0.0069	0.13	0.048	---	0.035 J	<0.0067	<0.0067	<0.0075	<0.0069	<0.0070	<0.0069	<0.0078	<0.0071
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	1.9	<0.0077	0.23	0.050	---	0.041	<0.0075	<0.0075	<0.0084	<0.0077	<0.0078	<0.0077	<0.0087	<0.0079
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	0.54	<0.012	0.052	0.022 J	---	0.012 J	<0.011	0.017 J	<0.013	0.020 J	<0.012	<0.011	<0.013	0.013 J
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	0.44	<0.011	0.063	0.025 J	---	0.023 J	<0.010	<0.010	<0.011	<0.011	<0.011	<0.010	<0.012	<0.011
Chrysene	mg/Kg	8270D	0.1442	115	2110	1.3	<0.0098	0.27	0.056	---	0.042	0.035	0.025 J	0.13	0.040	0.018 J	0.024 J	<0.011	0.027 J
Dibenz[a,h]anthracene	mg/Kg	8270D	---	0.115	2	0.17	<0.0069	0.031 J	<0.0071	---	0.011 J	<0.0067	<0.0067	<0.0075	<0.0069	<0.0070	<0.0069	<0.0077	<0.0071
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	3.8	<0.0067	0.21	0.16	---	0.048	0.042	0.0090 J	0.064	<0.0066	<0.0067	<0.0066	<0.0074	0.010 J
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	0.20	<0.0050	0.018 J	0.031 J	---	<0.0052	<0.0049	0.0059 J	0.013 J	<0.0050	<0.0051	<0.0050	<0.0056	<0.0052
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	0.53	<0.0093	0.049	0.019 J	---	0.016 J	<0.0090	<0.0090	<0.010	<0.0093	<0.0093	<0.0092	<0.010	<0.0095
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	0.091	<0.0055	0.20	0.029 J	---	0.16	<0.0054	<0.0053	<0.0053	<0.0055	<0.0055	<0.0055	<0.0062	<0.0057
Phenanthrene	mg/Kg	8270D	---	---	---	3.6	<0.0050	0.52	0.19	---	0.12	0.027 J	0.036	0.17	0.076	0.0074 J	0.016 J	0.0062 J	0.028 J
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	3.8	<0.0071	0.25	0.11	---	0.058	0.028 J	0.014 J	0.078	0.023 J	0.0082 J	0.0087 J	<0.0080	0.019 J
Polychlorinated Biphenyls (PCBs)																			
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	---	---	---	<0.0073	---	---	---	---	---	---	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	---	---	<0.0073	---	---	---	---	---	---	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	---	---	<0.0051	---	---	---	---	---	---	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	<0.0073	---	---	---	---	---	---	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	<0.0089	---	---	---	---	---	---	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	<0.0063	---	---	---	---	---	---	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	---	---	<0.0071	---	---	---	---	---	---	---	---	---
RCRA Metals																			
Arsenic	mg/Kg	6010B	0.584	0.677	3	---	---	---	---	---	---	2.7	---	4.3	---	3.7	---	2.8	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	---	---	---	---	---	---	24	---	130	---	22	---	58	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	---	---	---	---	---	---	0.14 J	---	0.16 J	---	0.089 J	---	0.15 J	---
Chromium	mg/Kg	6010B	360,000*	---	---	---	---	---	---	---	---	13	---	23	---	13	---	24	---
Copper	mg/Kg	6010B	91.6	3130	46,700	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	---	---	---	---	---	---	7.5 B	---	22 B	---	8.7 B	---	8.6 B	---
Mercury	mg/Kg	6010B	0.208	3.13	3.13	---	---	---	---	---	---	0.0082 J	---	0.029	---	0.0096 J	---	0.020	---
Nickel	mg/Kg	6010B	13.0612	1550	22,500	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---	<0.60	---	<0.69	---	<0.60	---	1.6	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---	0.20 J B	---	0.21 J B	---	0.17 J B	---	0.28 J B	---
Zinc	mg/Kg	6010B	---	23,500	100,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-24		EB-B-25		EB-B-26		EB-B-27/MW-6		EB-B-28		EB-B-29		EB-B-30					
						1-4.5	8-10	1-4	14-15	1-4.5	8-10	1-4	18-20	2-4	8-10	2-4	8-10	2-4	8-10	2-4	8-10		
						FILL	Silty CLAY	FILL	Silty CLAY	FILL	FILL / Silty CLAY	FILL	Silty/Sandy CLAY	Fill	SAND & CLAY	Silty CLAY	Silty CLAY	Fill	SAND & CLAY	Unsaturated	Unsaturated	Unsaturated	Unsaturated
						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Sampling Date						7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/21/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021				
Oranochlorine Pesticides																							
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	<0.00093	---	---	---	---	---	---	---	---	---				
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	<0.00089	---	---	---	---	---	---	---	---	---				
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	<0.00082	---	---	---	---	---	---	---	---	---				
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	<0.0012	---	---	---	---	---	---	---	---	---				
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	<0.00098	---	---	---	---	---	---	---	---	---				
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	<0.0014	---	---	---	---	---	---	---	---	---				
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	<0.00093	---	---	---	---	---	---	---	---	---				
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	<0.00083	---	---	---	---	---	---	---	---	---				
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	<0.00091	---	---	---	---	---	---	---	---	---				
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	<0.00094	---	---	---	---	---	---	---	---	---				
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	<0.00095	---	---	---	---	---	---	---	---	---				
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	<0.00096	---	---	---	---	---	---	---	---	---				
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	<0.00088	---	---	---	---	---	---	---	---	---				
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	<0.00099	---	---	---	---	---	---	---	---	---				
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	<0.00084	---	---	---	---	---	---	---	---	---				
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	<0.00086	---	---	---	---	---	---	---	---	---				
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	<0.0010	---	---	---	---	---	---	---	---	---				
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	<0.00094	---	---	---	---	---	---	---	---	---				
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	<0.00093	---	---	---	---	---	---	---	---	---				
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	<0.0011	---	---	---	---	---	---	---	---	---				
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	<0.0069	---	---	---	---	---	---	---	---	---				
Herbicides																							
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	<0.013	---	---	---	---	---	---	---	---	---				
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	<0.077	---	---	---	---	---	---	---	---	---				
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	0.055 J	---	---	---	---	---	---	---	---	---				
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	<0.0077	---	---	---	---	---	---	---	---	---				
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	<0.018	---	---	---	---	---	---	---	---	---				
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	<0.0077	---	---	---	---	---	---	---	---	---				

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-24		EB-B-25		EB-B-26		EB-B-27/MW-6		EB-B-28		EB-B-29		EB-B-30	
						1-4.5	8-10	1-4	14-15	1-4.5	8-10	1-4	18-20	2-4	8-10	2-4	8-10	2-4	8-10
Depth (feet)																			
Soil Type																			
Soil Conditions																			
Sampling Date																			
Method 537 (modified) - Fluorinated Alkyl Substances																			
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.048	---	0.078 J	---	<0.047	---	<0.053	---
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.000043	---	<0.048	---	<0.042	---	<0.047	---
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.032	---	<0.036	---	<0.032	---	<0.035	---
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.040	---	<0.044	---	<0.039	---	<0.043	---
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	<0.055	---	0.063 J I	---	<0.054	---	<0.061	---
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.023	---	<0.026	---	<0.023	---	<0.025	---
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.050	---	<0.056	---	<0.049	---	<0.055	---
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.044	---	<0.049	---	<0.043	---	<0.048	---
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.031	---	<0.035	---	<0.031	---	<0.034	---
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.022	---	<0.024	---	<0.022	---	<0.024	---
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.039	---	<0.043	---	<0.038	---	<0.042	---
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.040	---	<0.044	---	<0.039	---	<0.043	---
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.069	---	<0.077	---	<0.068	---	<0.075	---
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.040	---	<0.044	---	<0.039	---	<0.043	---
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.039	---	<0.043	---	<0.038	---	<0.042	---
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.030	---	<0.034	---	<0.030	---	<0.033	---
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.051	---	<0.057	---	<0.050	---	<0.056	---
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---	<0.045	---	0.10 J	---	<0.044	---	<0.049	---
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.030	---	<0.034	---	<0.030	---	<0.033	---
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.054	---	<0.061	---	<0.053	---	<0.059	---
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.049	---	<0.055	---	<0.048	---	<0.054	---
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.034	---	<0.038	---	<0.034	---	<0.038	---
NEtFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.049	---	<0.055	---	<0.048	---	<0.054	---
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.051	---	<0.057	---	<0.050	---	<0.056	---
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.050	---	<0.056	---	<0.049	---	<0.055	---
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.024	---	<0.027	---	<0.024	---	<0.026	---
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.029	---	<0.033	---	<0.029	---	<0.032	---
NEtFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.049	---	<0.055	---	<0.048	---	<0.054	---
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.053	---	<0.059	---	<0.052	---	<0.058	---
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.028	---	<0.031	---	<0.028	---	<0.031	---
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.036	---	<0.041	---	<0.036	---	<0.040	---
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.040	---	<0.044	---	<0.039	---	<0.043	---
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.041	---	<0.045	---	<0.040	---	<0.045	---
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.043	---	<0.048	---	<0.042	---	<0.047	---
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.036	---	<0.041	---	<0.036	---	<0.040	---
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---	<0.032	---	<0.036	---	<0.032	---	<0.035	---

(1) From WDNR RCLs Worksheet dated December 2018

Italicized values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

BOLD Underlined values exceed Groundwater Protection, Non-Industrial Direct Contact, or 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 and/or matrix spike duplicate recovery exceeds control limits

F2 MS/MSD RPD exceeds control limits

V Serial Dilution exceeds the control limits

B = Compound was found in the blank and sample

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

* = 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

*** = Combined established standard for NR 720 RCLs for groundwater protection

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-31		EB-B-32		EB-B-33		EB-B-34		EB-B-35	
						2-4	8-10	2-4	6-8	2-4	9-10	2-4	7-7.5	2-4	8-10
						GRAVEL & CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Fill	Silty CLAY	Fill	Fill	Silty CLAY	Silty CLAY
						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Depth (feet)						7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	6/3/2021	6/3/2021
Soil Type															
Soil Conditions															
Sampling Date															
Physical Characteristics															
Percent Moisture						9.3	18.5	15.8	11.8	14.2	10	4.6	13.5	16	9.3
Percent Solids						90.7	81.5	84.2	88.2	85.8	90	95.4	86.5	84	90.7
Volatile Organic Compounds (VOCs)															
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	<0.028	<0.033	<0.031	<0.029	---	---	---	---	<0.032	<0.028
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	<0.023	<0.027	<0.026	<0.024	---	---	---	---	<0.026	<0.023
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	<0.024	<0.029	<0.027	<0.025	---	---	---	---	<0.028	<0.024
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	<0.021	<0.025	<0.024	<0.022	---	---	---	---	<0.024	<0.021
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	<0.025	<0.030	<0.028	<0.026	---	---	---	---	<0.028	<0.025
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1.190	<0.023	<0.028	<0.026	<0.024	---	---	---	---	<0.027	<0.023
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	<0.018	<0.021	<0.020	<0.019	---	---	---	---	<0.021	<0.018
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	<0.027	<0.033	<0.031	<0.029	---	---	---	---	<0.032	<0.027
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	<0.025	<0.030	<0.028	<0.026	---	---	---	---	<0.029	<0.025
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	<0.020	<0.025	<0.023	<0.021	---	---	---	---	<0.024	<0.021
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	<0.021	<0.026	<0.024	<0.022	---	---	---	---	<0.025	<0.021
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	<0.12	<0.14	<0.14	<0.12	---	---	---	---	<0.14	<0.12
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	<0.023	<0.028	<0.026	<0.024	---	---	---	---	<0.027	<0.023
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.020	<0.024	<0.023	<0.021	---	---	---	---	<0.023	<0.020
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	<0.023	<0.028	<0.027	<0.025	---	---	---	---	<0.027	<0.024
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	<0.026	<0.031	<0.029	<0.027	---	---	---	---	<0.030	<0.026
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.023	<0.027	<0.026	<0.024	---	---	---	---	<0.026	<0.023
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.024	<0.029	<0.027	<0.025	---	---	---	---	<0.028	<0.024
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	<0.022	<0.026	<0.025	<0.023	---	---	---	---	<0.025	<0.022
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.022	<0.026	<0.025	<0.023	---	---	---	---	<0.025	<0.022
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	<0.027	<0.032	<0.030	<0.028	---	---	---	---	<0.031	<0.027
2-Chlorotoluene	mg/Kg	8260B	---	907	907	<0.019	<0.023	<0.021	<0.020	---	---	---	---	<0.022	<0.019
4-Chlorotoluene	mg/Kg	8260B	---	253	253	<0.021	<0.025	<0.024	<0.022	---	---	---	---	<0.024	<0.021
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<0.0087	<0.011	<0.0099	<0.0091	---	---	---	---	<0.010	<0.0088
Bromobenzene	mg/Kg	8260B	---	342	679	<0.021	<0.026	<0.024	<0.022	---	---	---	---	<0.025	<0.021
Bromochloromethane	mg/Kg	8260B	---	216	906	<0.026	<0.031	<0.029	<0.027	---	---	---	---	<0.030	<0.026
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	<0.022	<0.027	<0.025	<0.023	---	---	---	---	<0.026	<0.022
Bromoform	mg/Kg	8260B	0.0023	25.4	113	<0.029	<0.035	<0.033	<0.030	---	---	---	---	<0.033	<0.029
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	<0.048	<0.057	<0.054	<0.050	---	---	---	---	<0.055	<0.048
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	<0.023	<0.028	<0.026	<0.024	---	---	---	---	<0.027	<0.023
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.023	<0.028	<0.026	<0.024	---	---	---	---	<0.027	<0.023
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	<0.030	<0.036	<0.034	<0.032	---	---	---	---	<0.035	<0.030
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	<0.022	<0.027	<0.025	<0.023	---	---	---	---	<0.026	<0.022
Chloromethane	mg/Kg	8260B	0.0155	159	669	<0.019	<0.023	<0.022	<0.020	---	---	---	---	<0.022	<0.019
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	<0.024	<0.029	<0.028	<0.026	---	---	---	---	<0.028	<0.024
cis-1,3-Dichloropropane	mg/Kg	8260B	0.0003	1,210	1,210	<0.025	<0.030	<0.028	<0.026	---	---	---	---	<0.029	<0.025
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	<0.029	<0.035	<0.033	<0.031	---	---	---	---	<0.034	<0.029
Dibromomethane	mg/Kg	8260B	---	34	143	<0.016	<0.019	<0.018	<0.017	---	---	---	---	<0.019	<0.016
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	<0.040	<0.049	<0.046	<0.042	---	---	---	---	<0.047	<0.040
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.011	<0.013	<0.012	<0.011	---	---	---	---	<0.013	<0.011
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	<0.027	<0.032	<0.030	<0.028	---	---	---	---	<0.031 **	<0.027 **
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	<0.017	<0.020	<0.019	<0.017	---	---	---	---	<0.019	<0.017
Isopropylbenzene	mg/Kg	8260B	---	268	268	<0.023	<0.028	<0.026	<0.024	---	---	---	---	<0.027	<0.023
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	<0.024	<0.028	<0.027	<0.025	---	---	---	---	<0.027	<0.024
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.098	<0.12	<0.11	<0.10	---	---	---	---	<0.11	<0.098
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	<0.020	<0.024	<0.023	<0.021	---	---	---	---	<0.023	<0.020
n-Butylbenzene	mg/Kg	8260B	---	108	108	<0.023	<0.028	<0.026	<0.024	---	---	---	---	<0.027	<0.023
N-Propylbenzene	mg/Kg	8260B	---	264	264	<0.025	<0.030	<0.028	<0.026	---	---	---	---	<0.029	<0.025
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	<0.022	<0.026	<0.025	<0.023	---	---	---	---	<0.025	<0.022
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.024	<0.029	<0.027	<0.025	---	---	---	---	<0.028	<0.024
Styrene	mg/Kg	8260B	0.22	867	867	<0.023	<0.028	<0.026	<0.024	---	---	---	---	<0.027	<0.023
tert-Butylbenzene	mg/Kg	8260B	---	183	183	<0.024	<0.029	<0.027	<0.025	---	---	---	---	<0.028	<0.024
Tetrachloroethane	mg/Kg	8260B	0.0045	33	145	<0.022	<0.027	<0.025 J	<0.023	---	---	---	---	<0.026 **	<0.022 **
Toluene	mg/Kg	8260B	1.1072	818	818	<0.0088	<0.011	<0.010	<0.0092	---	---	---	---	<0.010	<0.0088
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	<0.021	<0.025	<0.024	<0.022	---	---	---	---	<0.024	<0.021
trans-1,3-Dichloropropane	mg/Kg	8260B	---	1,510	1,510	<0.022	<0.026	<0.025	<0.023	---	---	---	---	<0.025	<0.022
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	<0.0098	<0.012	0.37	2.4	---	---	---	---	<0.011	<0.0098
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	<0.026	<0.031	<0.029	<0.027	---	---	---	---	<0.030	<0.026
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	<0.016	<0.019	<0.018	<0.016	---	---	---	---	<0.018	<0.016
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1212	<0.013	<0.016	<0.015	<0.014	---	---	---	---	<0.015	<0.013

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COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-31		EB-B-32		EB-B-33		EB-B-34		EB-B-35	
						2-4	8-10	2-4	6-8	2-4	9-10	2-4	7-7.5	2-4	8-10
						GRAVEL & CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Fill	Silty CLAY	Fill	Fill	Silty CLAY	Silty CLAY
						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
Depth (feet)															
Soil Type															
Soil Conditions															
Sampling Date						7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	6/3/2021	6/3/2021
Method 8260B - Volatile Organic Compounds - TCLP															
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (SVOCs)															
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---	---	---	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	---	---	---	---	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-31		EB-B-32		EB-B-33		EB-B-34		EB-B-35				
						2-4	8-10	2-4	6-8	2-4	9-10	2-4	7-7.5	2-4	8-10			
						GRAVEL & CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Fill	Silty CLAY	Fill	Fill	Silty CLAY	Silty CLAY			
						Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated			
Sampling Date																		
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---	---	---	---	---	---	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons (PAHs)																		
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	<0.0086	<0.0098	<0.0092	0.0095 J	---	---	---	---	<0.0096	<0.0087	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	<0.0065	<0.0074	0.010 J	0.010 J	---	---	---	---	<0.0072	<0.0066	---	---	---
Acenaphthene	mg/Kg	8270D	---	3590	45,200	<0.0063	<0.0072	<0.0068	<0.0067	---	---	---	---	<0.0071	<0.0064	---	---	---
Acenaphthylene	mg/Kg	8270D	---	---	---	<0.0046	<0.0053	<0.0050	<0.0049	---	---	---	---	<0.0052	<0.0047	---	---	---
Anthracene	mg/Kg	8270D	196.9492	17,900	100,000	<0.0059	<0.0067	<0.0063	<0.0062	---	---	---	---	<0.0066	<0.0060	---	---	---
Benzo[a]anthracene	mg/Kg	8270D	---	1.14	21	<0.0047	<0.0054	<0.0051	0.0071 J	---	---	---	---	<0.0053	0.0071 J	---	---	---
Benzo[a]pyrene	mg/Kg	8270D	0.47	0.115	2.11	<0.0068	<0.0078	0.0080 J	0.013 J	---	---	---	---	<0.0076	<0.0069	---	---	---
Benzo[b]fluoranthene	mg/Kg	8270D	0.4781	1.15	21.1	<0.0076	<0.0087	0.010 J	0.014 J	---	---	---	---	<0.0085	<0.0077	---	---	---
Benzo[g,h,i]perylene	mg/Kg	8270D	---	---	---	0.013 J	<0.013	<0.012	0.014 J	---	---	---	---	<0.013	<0.012	---	---	---
Benzo[k]fluoranthene	mg/Kg	8270D	---	11.5	211	<0.010	<0.012	<0.011	<0.011	---	---	---	---	<0.012	<0.011	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	0.023 J	<0.011	<0.010	0.021 J	---	---	---	---	<0.011	0.012 J	---	---	---
Dibenz[a,h]anthracene	mg/Kg	8270D	---	0.115	2	<0.0068	<0.0078	<0.0073	<0.0072	---	---	---	---	<0.0076	<0.0069	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	<0.0065	<0.0075	0.0091 J	0.015 J	---	---	---	---	<0.0073	<0.0066	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	<0.0050	<0.0057	<0.0053	<0.0052	---	---	---	---	<0.0055	<0.0050	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	<0.0091	<0.010	<0.0098	<0.0097	---	---	---	---	<0.010	<0.0093	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	<0.0054	<0.0062	0.0075 J	0.0070 J	---	---	---	---	<0.0061	<0.0055	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	0.015 J	<0.0056	0.011 J	0.021 J	---	---	---	---	<0.0055	0.013 J	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	0.0089 J	<0.0080	0.0081 J	0.016 J	---	---	---	---	<0.0078	0.0093 J	---	---	---
Polychlorinated Biphenyls (PCBs)																		
PCB-1016	mg/Kg	8082A	0.0094***	4.11	28	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---	---	---	---	---	---	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	---	---	---	---	---	---	---	---	---	---	---
RCRA Metals																		
Arsenic	mg/Kg	6010B	0.584	0.677	3	3.3	---	3.2	---	4.3	12	1.8	2.6	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	22	---	62	---	47	26	10	25	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	0.10 J	---	0.17 J	---	0.25	<0.037	0.091 J	0.12 J	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	13	---	21	---	16	13	6.1	10	---	---	---	---	---
Copper	mg/Kg	6010B	91.6	3130	46,700	---	---	---	---	21	22	8.4	7.7	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	7.6 B	---	12 B	---	16 B	22 B	4.6 B	6.6 B	---	---	---	---	---
Mercury	mg/Kg	6010B	0.208	3.13	3.13	0.0092 J	---	0.018	---	0.031	0.011 J	<0.0057	0.14	---	---	---	---	---
Nickel	mg/Kg	6010B	13.0612	1550	22,500	---	---	---	---	24	23	7.3	9.9	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	<0.58	---	<0.61	---	<0.66	1.0	<0.53	<0.62	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	0.22 J B	---	0.32 J B	---	0.22 J B	0.23 J B	<0.12	<0.14	---	---	---	---	---
Zinc	mg/Kg	6010B	---	23,500	100,000	---	---	---	---	91	57	22	26	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-31		EB-B-32		EB-B-33		EB-B-34		EB-B-35	
						2-4	8-10	2-4	6-8	2-4	9-10	2-4	7-7.5	2-4	8-10
						GRAVEL & CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Fill	Silty CLAY	Fill	Fill	Silty CLAY	Silty CLAY
Soil Type															
Soil Conditions															
Sampling Date						7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	6/3/2021	6/3/2021
Oranochlorine Pesticides															
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	---	---	---	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	---	---	---	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	---	---	---	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	---	---	---	---	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	---	---	---	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	---	---	---	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	---	---	---	---	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	---	---	---	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---	---	---	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	---	---	---	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---	---	---	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	---	---	---	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	---	---	---	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	---	---	---	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	---	---	---	---	---
Herbicides															
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	---	---	---	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	---	---	---	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	---	---	---	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	---	---	---	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	---	---	---	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	EB-B-31		EB-B-32		EB-B-33		EB-B-34		EB-B-35	
						2-4	8-10	2-4	6-8	2-4	9-10	2-4	7-7.5	2-4	8-10
						GRAVEL & CLAY	Silty CLAY	Silty CLAY	Silty CLAY	Fill	Silty CLAY	Fill	Fill	Silty CLAY	Silty CLAY
Soil Type															
Soil Conditions															
Sampling Date						7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	7/20/2021	6/3/2021	6/3/2021
Method 537 (modified) - Fluorinated Alkyl Substances															
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	<0.047	---	<0.053	---	---	---	---	---	---	---
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	<0.042	---	<0.048	---	---	---	---	---	---	---
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	<0.032	---	<0.036	---	---	---	---	---	---	---
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	<0.039	---	<0.044	---	---	---	---	---	---	---
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	<0.054	---	<0.062	---	---	---	---	---	---	---
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	<0.023	---	<0.026	---	---	---	---	---	---	---
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	<0.049	---	<0.056	---	---	---	---	---	---	---
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	<0.043	---	<0.049	---	---	---	---	---	---	---
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	<0.031	---	<0.035	---	---	---	---	---	---	---
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	<0.022	---	<0.024	---	---	---	---	---	---	---
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	<0.038	---	<0.043	---	---	---	---	---	---	---
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	<0.039	---	<0.044	---	---	---	---	---	---	---
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	<0.068	---	<0.077	---	---	---	---	---	---	---
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	<0.039	---	<0.044	---	---	---	---	---	---	---
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	<0.038	---	<0.043	---	---	---	---	---	---	---
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	<0.030	---	<0.034	---	---	---	---	---	---	---
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	<0.050	---	<0.057	---	---	---	---	---	---	---
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	<0.044	---	<0.050	---	---	---	---	---	---	---
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	<0.030	---	<0.034	---	---	---	---	---	---	---
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	<0.053	---	<0.060	---	---	---	---	---	---	---
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	<0.048	---	<0.055	---	---	---	---	---	---	---
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	<0.034	---	<0.038	---	---	---	---	---	---	---
NEFOSA	ug/Kg	537	---	---	---	<0.048	---	<0.055	---	---	---	---	---	---	---
NMeFOSA	ug/Kg	537	---	---	---	<0.050	---	<0.057	---	---	---	---	---	---	---
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	<0.049	---	<0.056	---	---	---	---	---	---	---
N-ethylperfluorooctanesulfonamidoacetic acid (NEFOSAA)	ug/Kg	537	---	---	---	<0.024	---	<0.027	---	---	---	---	---	---	---
NMeFOSE	ug/Kg	537	---	---	---	<0.029	---	<0.033	---	---	---	---	---	---	---
NEFOSE	ug/Kg	537	---	---	---	<0.048	---	<0.055	---	---	---	---	---	---	---
4:2 FTS	ug/Kg	537	---	---	---	<0.052	---	<0.059	---	---	---	---	---	---	---
6:2 FTS	ug/Kg	537	---	---	---	<0.028	---	<0.031	---	---	---	---	---	---	---
8:2 FTS	ug/Kg	537	---	---	---	<0.036	---	<0.041	---	---	---	---	---	---	---
10:2 FTS	ug/Kg	537	---	---	---	<0.039	---	<0.044	---	---	---	---	---	---	---
DONA	ug/Kg	537	---	---	---	<0.040	---	<0.045	---	---	---	---	---	---	---
HFPO-DA (GenX)	ug/Kg	537	---	---	---	<0.042	---	<0.048	---	---	---	---	---	---	---
F-53B Major	ug/Kg	537	---	---	---	<0.036	---	<0.041	---	---	---	---	---	---	---
F-53B Minor	ug/Kg	537	---	---	---	<0.032	---	<0.036	---	---	---	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018

Italicized values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

BOLD Underlined values exceed Groundwater Protection, Non-Industrial Direct Contact, or 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 and/or matrix spike duplicate recovery exceeds control limits

F2 MS/MSD RPD exceeds control limits

V Serial Dilution exceeds the control limits

B = Compound was found in the blank and sample

*+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased

* = 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

*** = Combined established standard for NR 720 RCLs for groundwater protection

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Depth (feet)						---	---	---	---	---	---
Soil Type						---	---	---	---	---	---
Soil Conditions						---	---	---	---	---	---
Sampling Date						2/25/2021	3/3/2021	3/9/2021	4/14/2021	6/3/2021	7/20/2021
Physical Characteristics											
Percent Moisture						---	---	---	---	---	---
Percent Solids						---	---	---	---	---	---
Volatile Organic Compounds (VOCs)											
1,1,1,2-Tetrachloroethane	mg/Kg	8260B	0.0534	2.78	12.3	<0.023	<0.028	<0.023	<0.023	<0.023	<0.023
1,1,1-Trichloroethane	mg/Kg	8260B	0.1402	640	640	<0.019	<0.023	<0.019	<0.019	<0.019	<0.019
1,1,2,2-Tetrachloroethane	mg/Kg	8260B	0.0002	0.81	3.6	<0.020	<0.024	<0.020	<0.020	<0.020	<0.020
1,1,2-Trichloroethane	mg/Kg	8260B	0.0032	1.59	7.01	<0.018	<0.021	<0.018	<0.018	<0.018	<0.018
1,1-Dichloroethane	mg/Kg	8260B	0.4834	5.06	22.2	<0.021	<0.025	<0.021	<0.021	<0.021	<0.021
1,1-Dichloroethene	mg/Kg	8260B	0.005	320	1.190	<0.020	<0.024	<0.020	<0.020	<0.020	<0.020
1,1-Dichloropropene	mg/Kg	8260B	---	---	---	<0.015	<0.018	<0.015	<0.015	<0.015	<0.015
1,2,3-Trichlorobenzene	mg/Kg	8260B	---	62.6	934	<0.023	<0.028	<0.023	<0.023	<0.023	<0.023
1,2,3-Trichloropropane	mg/Kg	8260B	0.0519	0.005	0.109	<0.021	<0.025	<0.021	<0.021	<0.021	<0.021
1,2,4-Trichlorobenzene	mg/Kg	8260B	0.408	24	113	<0.017	<0.021	<0.017	<0.017	<0.017	<0.017
1,2,4-Trimethylbenzene	mg/Kg	8260B	1.3787**	219	219	<0.018	<0.022	<0.018	<0.018	<0.018	<0.018
1,2-Dibromo-3-Chloropropane	mg/Kg	8260B	0.0002	0.008	0.092	<0.10	<0.12	<0.10 *	<0.10	<0.10	<0.10
1,2-Dibromoethane	mg/Kg	8260B	0.0000282	0.05	0.221	<0.019	<0.023	<0.019	<0.019	<0.019	<0.019
1,2-Dichlorobenzene	mg/Kg	8260B	1.168	376	376	<0.017	<0.020	<0.017 *	<0.017	<0.017	<0.017
1,2-Dichloroethane	mg/Kg	8260B	0.0028	0.652	2.87	<0.020	<0.024	<0.020	<0.020	<0.020	<0.020
1,2-Dichloropropane	mg/Kg	8260B	0.0033	3.4	15	<0.021	<0.026	<0.021	<0.021	<0.021	<0.021
1,3,5-Trimethylbenzene	mg/Kg	8260B	1.3787**	182	182	<0.019	<0.023	<0.019	<0.019	<0.019	<0.019
1,3-Dichlorobenzene	mg/Kg	8260B	1.1528	297	297	<0.020	<0.024	<0.020	<0.020	<0.020	<0.020
1,3-Dichloropropane	mg/Kg	8260B	0.0003	2.37	10.6	<0.018	<0.022	<0.018	<0.018	<0.018	<0.018
1,4-Dichlorobenzene	mg/Kg	8260B	0.144	3.74	16.4	<0.018	<0.022	<0.018 *	<0.018	<0.018	<0.018
2,2-Dichloropropane	mg/Kg	8260B	---	191	191	<0.022	<0.027	<0.022	<0.022	<0.022	<0.022
2-Chlorotoluene	mg/Kg	8260B	---	907	907	<0.016	<0.019	<0.016	<0.016	<0.016	<0.016
4-Chlorotoluene	mg/Kg	8260B	---	253	253	<0.018	<0.021	<0.018	<0.018	<0.018	<0.018
Benzene	mg/Kg	8260B	0.0051	1.6	7.07	<0.0073	<0.0088	<0.0073	<0.0073	<0.0073	<0.0073
Bromobenzene	mg/Kg	8260B	---	342	679	<0.018	<0.022	<0.018 *	<0.018	<0.018	<0.018
Bromochloromethane	mg/Kg	8260B	---	216	906	<0.021	<0.026	<0.021 *	<0.021	<0.021	<0.021
Bromodichloromethane	mg/Kg	8260B	0.0003	0.418	1.83	<0.019	<0.022	<0.019	<0.019	<0.019	<0.019
Bromoform	mg/Kg	8260B	0.0023	25.4	113	<0.024	<0.029	<0.024	<0.024	<0.024	<0.024
Bromomethane	mg/Kg	8260B	0.0051	9.6	43	<0.040	<0.048	<0.040	<0.040	<0.040	<0.040
Carbon tetrachloride	mg/Kg	8260B	0.0039	0.916	4.03	<0.019	<0.023	<0.019	<0.019	<0.019	<0.019
Chlorobenzene	mg/Kg	8260B	---	370	761	<0.019	<0.023	<0.019	<0.019	<0.019	<0.019
Chloroethane	mg/Kg	8260B	0.2266	2,120	2,120	<0.025	<0.030	<0.025	<0.025 *	<0.025	<0.025
Chloroform	mg/Kg	8260B	0.0033	0.454	1.98	<0.019	<0.022	<0.019	<0.019	<0.019	<0.019
Chloromethane	mg/Kg	8260B	0.0155	159	669	<0.016	<0.019	<0.016	<0.016	<0.016	<0.016
cis-1,2-Dichloroethene	mg/Kg	8260B	0.0412	156	2,340	<0.020	<0.025	<0.020	<0.020	<0.020	<0.020
cis-1,3-Dichloropropene	mg/Kg	8260B	0.0003	1,210	1,210	<0.021	<0.025	<0.021	<0.021	<0.021	<0.021
Dibromochloromethane	mg/Kg	8260B	0.032	8.28	38.9	<0.024	<0.029	<0.024	<0.024	<0.024	<0.024
Dibromomethane	mg/Kg	8260B	---	34	143	<0.014	<0.016	<0.014 *	<0.014	<0.014	<0.014
Dichlorodifluoromethane	mg/Kg	8260B	3.0863	126	530	<0.034	<0.041	<0.034	<0.034	<0.034	<0.034
Ethylbenzene	mg/Kg	8260B	1.57	8.02	35.4	<0.0092	<0.011	<0.0092	<0.0092	<0.0092	<0.0092
Hexachlorobutadiene	mg/Kg	8260B	---	1.63	7.19	<0.022	<0.027	<0.022	<0.022 *	<0.022	<0.022
Isopropyl ether	mg/Kg	8260B	---	2,260	2,260	<0.014	<0.017	<0.014	<0.014	<0.014	<0.014
Isopropylbenzene	mg/Kg	8260B	---	268	268	<0.019	<0.023	<0.019	<0.019	<0.019	<0.019
Methyl tert-butyl ether	mg/Kg	8260B	0.027	63.8	282	<0.020	<0.024	<0.020	<0.020	<0.020	<0.020
Methylene Chloride	mg/Kg	8260B	0.0026	61.8	1,150	<0.082	<0.098	<0.082	<0.082	<0.082	<0.082
Naphthalene	mg/Kg	8260B	0.658182	5.52	24.10	<0.017	<0.020	<0.017	<0.017	<0.017	<0.017
n-Butylbenzene	mg/Kg	8260B	---	108	108	<0.019	<0.023	<0.019	<0.019	<0.019	<0.019
N-Propylbenzene	mg/Kg	8260B	---	264	264	<0.021	<0.025	<0.021	<0.021	<0.021	<0.021
p-Isopropyltoluene	mg/Kg	8260B	---	162	162	<0.018	<0.022	<0.018	<0.018	<0.018	<0.018
sec-Butylbenzene	mg/Kg	8260B	---	145	145	<0.020	<0.024	<0.020	<0.020	<0.020	<0.020
Styrene	mg/Kg	8260B	0.22	867	867	<0.019	<0.023	<0.019	<0.019	<0.019	<0.019
tert-Butylbenzene	mg/Kg	8260B	---	183	183	<0.020	<0.024	<0.020	<0.020	<0.020	<0.020
Tetrachloroethene	mg/Kg	8260B	0.0045	33	145	<0.019	<0.022	<0.019	<0.019	<0.019 *	<0.019
Toluene	mg/Kg	8260B	1.1072	818	818	<0.0074	<0.0089	<0.0074	<0.0074	<0.0074	<0.0074
trans-1,2-Dichloroethene	mg/Kg	8260B	0.0626	1560	1850	<0.018	<0.021	<0.018	<0.018	<0.018	<0.018
trans-1,3-Dichloropropene	mg/Kg	8260B	---	1,510	1,510	<0.018	<0.022	<0.018	<0.018	<0.018	<0.018
Trichloroethene	mg/Kg	8260B	0.0036	1.3	8.41	<0.0082	0.093	<0.0082 *	<0.0082	<0.0082	<0.0082
Trichlorofluoromethane	mg/Kg	8260B	---	1,230	1,230	<0.021	<0.026	<0.021 *	<0.021	<0.021	<0.021
Vinyl chloride	mg/Kg	8260B	0.0001	0.067	2.08	<0.013	<0.016	<0.013	<0.013	<0.013	<0.013
Xylenes, Total	mg/Kg	8260B	3.96	1,212	1,212	<0.011	<0.013	<0.011	<0.011	<0.011	<0.011

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Depth (feet)						---	---	---	---	---	---
Soil Type						---	---	---	---	---	---
Soil Conditions						---	---	---	---	---	---
Sampling Date						2/25/2021	3/3/2021	3/9/2021	4/14/2021	6/3/2021	7/20/2021
Method 8260B - Volatile Organic Compounds - TCLP											
1,1-Dichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---
1,2-Dichloroethane	mg/L	8260B	---	---	---	---	---	---	---	---	---
Benzene	mg/L	8260B	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	mg/L	8260B	---	---	---	---	---	---	---	---	---
Chlorobenzene	mg/L	8260B	---	---	---	---	---	---	---	---	---
Chloroform	mg/L	8260B	---	---	---	---	---	---	---	---	---
Methyl Ethyl Ketone	mg/L	8260B	---	---	---	---	---	---	---	---	---
Tetrachloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---
Trichloroethene	mg/L	8260B	---	---	---	---	---	---	---	---	---
Vinyl Chloride	mg/L	8260B	---	---	---	---	---	---	---	---	---
Semivolatile Organic Compounds (SVOCs)											
1,2,4-Trichlorobenzene	mg/Kg	8270D	0.408	24	113	---	---	---	---	---	---
1,2-Dichlorobenzene	mg/Kg	8270D	1.168	376	376	---	---	---	---	---	---
1,3-Dichlorobenzene	mg/Kg	8270D	1.1528	297	297	---	---	---	---	---	---
1,4-Dichlorobenzene	mg/Kg	8270D	0.144	3.74	16.4	---	---	---	---	---	---
1-Methylnaphthalene	mg/Kg	8270D	---	17.6	72.7	---	---	---	---	---	---
2,2'-oxybis[1-chloropropane]	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---
2,4,6-Trichlorophenol	mg/Kg	8270D	---	49.3	209	---	---	---	---	---	---
2,4-Dichlorophenol	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---
2,4-Dimethylphenol	mg/Kg	8270D	---	1260	16,400	---	---	---	---	---	---
2,4-Dinitrophenol	mg/Kg	8270D	---	126	1640	---	---	---	---	---	---
2,4-Dinitrotoluene	mg/Kg	8270D	0.0001	1.74	7.37	---	---	---	---	---	---
2,6-Dinitrotoluene	mg/Kg	8270D	0.0001	0.363	1.54	---	---	---	---	---	---
2-Chloronaphthalene	mg/Kg	8270D	---	4780	60,300	---	---	---	---	---	---
2-Chlorophenol	mg/Kg	8270D	---	391	5,840	---	---	---	---	---	---
2-Methylnaphthalene	mg/Kg	8270D	---	239	3010	---	---	---	---	---	---
2-Methylphenol	mg/Kg	8270D	---	3160	41,000	---	---	---	---	---	---
2-Nitroaniline	mg/Kg	8270D	---	627	8010	---	---	---	---	---	---
2-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
3 & 4 Methylphenol	mg/Kg	8270D	---	9480**	123,100**	---	---	---	---	---	---
3,3'-Dichlorobenzidine	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
3-Nitroaniline	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---
4-Chloroaniline	mg/Kg	8270D	---	2.71	11.5	---	---	---	---	---	---
4-Chlorophenyl phenyl ether	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
4-Nitroaniline	mg/Kg	8270D	---	27.1	115	---	---	---	---	---	---
4-Nitrophenol	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---
Benzoic acid	mg/Kg	8270D	---	100,000	100,000	---	---	---	---	---	---
Benzyl alcohol	mg/Kg	8270D	---	6320	82,100	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	mg/Kg	8270D	---	190	2460	---	---	---	---	---	---
Bis(2-chloroethyl)ether	mg/Kg	8270D	---	0.286	1.29	---	---	---	---	---	---
Bis(2-ethylhexyl) phthalate	mg/Kg	8270D	2.88	38.8	164	---	---	---	---	---	---
Butyl benzyl phthalate	mg/Kg	8270D	---	286	1210	---	---	---	---	---	---
Carbazole	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
Chrysene	mg/Kg	8270D	0.1442	115	2110	---	---	---	---	---	---
Dibenz(a,h)anthracene	mg/Kg	8270D	---	0.115	2	---	---	---	---	---	---
Dibenzofuran	mg/Kg	8270D	---	73	1040	---	---	---	---	---	---

**TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441**

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)	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Depth (feet)						---	---	---	---	---	---
Soil Type						---	---	---	---	---	---
Soil Conditions						---	---	---	---	---	---
Sampling Date						2/25/2021	3/3/2021	3/9/2021	4/14/2021	6/3/2021	7/20/2021
Diethyl phthalate	mg/Kg	8270D	---	50,600	100,000	---	---	---	---	---	---
Dimethyl phthalate	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	mg/Kg	8270D	5.0333	6320	82,100	---	---	---	---	---	---
Di-n-octyl phthalate	mg/Kg	8270D	0	632	8210	---	---	---	---	---	---
Fluoranthene	mg/Kg	8270D	88.8778	2390	30,100	---	---	---	---	---	---
Fluorene	mg/Kg	8270D	14.8299	2390	30,100	---	---	---	---	---	---
Hexachlorobenzene	mg/Kg	8270D	0.0252	0.252	1.15	---	---	---	---	---	---
Hexachlorobutadiene	mg/Kg	8270D	---	1.63	7.19	---	---	---	---	---	---
Hexachlorocyclopentadiene	mg/Kg	8270D	---	2.55	10.8	---	---	---	---	---	---
Hexachloroethane	mg/Kg	8270D	---	2.52	11.1	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	mg/Kg	8270D	---	1.15	21.1	---	---	---	---	---	---
Isophorone	mg/Kg	8270D	---	571	2420	---	---	---	---	---	---
Naphthalene	mg/Kg	8270D	0.6582	5.52	24.1	---	---	---	---	---	---
Nitrobenzene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
N-Nitrosodi-n-propylamine	mg/Kg	8270D	---	0.078	0.328	---	---	---	---	---	---
N-Nitrosodiphenylamine	mg/Kg	8270D	0.0764	111	469	---	---	---	---	---	---
Pentachlorophenol	mg/Kg	8270D	0.0028	1.02	3.97	---	---	---	---	---	---
Phenanthrene	mg/Kg	8270D	---	---	---	---	---	---	---	---	---
Phenol	mg/Kg	8270D	2.2946	19,000	100,000	---	---	---	---	---	---
Pyrene	mg/Kg	8270D	54.5455	1790	22,600	---	---	---	---	---	---
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	---	---	---	---	---	---
PCB-1221	mg/Kg	8082A	0.0094***	0	0.883	---	---	---	---	---	---
PCB-1232	mg/Kg	8082A	0.0094***	0.19	0.792	---	---	---	---	---	---
PCB-1242	mg/Kg	8082A	0.0094***	0.235	0.972	---	---	---	---	---	---
PCB-1248	mg/Kg	8082A	0.0094***	0.236	0.975	---	---	---	---	---	---
PCB-1254	mg/Kg	8082A	0.0094***	0.239	1	---	---	---	---	---	---
PCB-1260	mg/Kg	8082A	0.0094***	0.243	1	---	---	---	---	---	---
RCRA Metals											
Arsenic	mg/Kg	6010B	0.584	0.677	3	---	---	---	---	---	---
Barium	mg/Kg	6010B	164.8	15,300	100,000	---	---	---	---	---	---
Cadmium	mg/Kg	6010B	0.752	71.1	985	---	---	---	---	---	---
Chromium	mg/Kg	6010B	360,000*	---	---	---	---	---	---	---	---
Copper	mg/Kg	6010B	91.6	3130	46,700	---	---	---	---	---	---
Lead	mg/Kg	6010B	27	400	800	---	---	---	---	---	---
Mercury	mg/Kg	6010B	0.208	3.13	3.13	---	---	---	---	---	---
Nickel	mg/Kg	6010B	13.0612	1550	22,500	---	---	---	---	---	---
Selenium	mg/Kg	6010B	0.52	391	5840	---	---	---	---	---	---
Silver	mg/Kg	6010B	0.8491	391	5840	---	---	---	---	---	---
Zinc	mg/Kg	6010B	---	23,500	100,000	---	---	---	---	---	---

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SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Depth (feet)						---	---	---	---	---	---
Soil Type						---	---	---	---	---	---
Soil Conditions						---	---	---	---	---	---
Sampling Date						2/25/2021	3/3/2021	3/9/2021	4/14/2021	6/3/2021	7/20/2021
Oranochlorine Pesticides											
4,4'-DDD	mg/Kg	8081A	---	1.9	9.57	---	---	---	---	---	---
4,4'-DDE	mg/Kg	8081A	---	2	9.38	---	---	---	---	---	---
4,4'-DDT	mg/Kg	8081A	---	1.89	8.53	---	---	---	---	---	---
Aldrin	mg/Kg	8081A	---	0.04	0.187	---	---	---	---	---	---
alpha-BHC	mg/Kg	8081A	---	0.086	0.365	---	---	---	---	---	---
cis-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---
beta-BHC	mg/Kg	8081A	---	0.301	1.28	---	---	---	---	---	---
delta-BHC	mg/Kg	8081A	---	---	---	---	---	---	---	---	---
Dieldrin	mg/Kg	8081A	---	0.034	0.144	---	---	---	---	---	---
Endosulfan I	mg/Kg	8081A	---	469	7010	---	---	---	---	---	---
Endosulfan II	mg/Kg	8081A	---	---	---	---	---	---	---	---	---
Endosulfan sulfate	mg/Kg	8081A	---	---	---	---	---	---	---	---	---
Endrin	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---
Endrin aldehyde	mg/Kg	8081A	0.1616	19	246	---	---	---	---	---	---
Endrin ketone	mg/Kg	8081A	---	---	---	---	---	---	---	---	---
gamma-BHC (Lindane)	mg/Kg	8081A	0.0023	0.568	2.54	---	---	---	---	---	---
trans-Chlordane	mg/Kg	8081A	---	---	---	---	---	---	---	---	---
Heptachlor	mg/Kg	8081A	0.0662	0.14	0.654	---	---	---	---	---	---
Heptachlor epoxide	mg/Kg	8081A	0.082	0.072	0.338	---	---	---	---	---	---
Methoxychlor	mg/Kg	8081A	4.32	316	4100	---	---	---	---	---	---
Toxaphene	mg/Kg	8081A	0.928	0.493	2.09	---	---	---	---	---	---
Herbicides											
2,4,5-T	mg/Kg	8151A	---	632	8210	---	---	---	---	---	---
2,4-D	mg/Kg	8151A	0.0362	699	9640	---	---	---	---	---	---
2,4-DB	mg/Kg	8151A	---	1900	24,600	---	---	---	---	---	---
Dicamba	mg/Kg	8151A	0.1553	1900	24,600	---	---	---	---	---	---
Dichlorprop	mg/Kg	8151A	---	---	---	---	---	---	---	---	---
Silvex (2,4,5-TP)	mg/Kg	8151A	0.055	506	6,570	---	---	---	---	---	---

TABLE 1
SOIL QUALITY TEST RESULTS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

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)	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Depth (feet)						---	---	---	---	---	---
Soil Type						---	---	---	---	---	---
Soil Conditions						---	---	---	---	---	---
Sampling Date						2/25/2021	3/3/2021	3/9/2021	4/14/2021	6/3/2021	7/20/2021
Method 537 (modified) - Fluorinated Alkyl Substances											
Perfluorobutanoic acid (PFBA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluoropentanoic acid (PFPeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorohexanoic acid (PFHxA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluoroheptanoic acid (PFHpA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorooctanoic acid (PFOA)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---
Perfluorononanoic acid (PFNA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorodecanoic acid (PFDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluoroundecanoic acid (PFUnA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorododecanoic acid (PFDoA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorotridecanoic acid (PFTriA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorotetradecanoic acid (PFTeA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluoro-n-hexadecanoic acid (PFHxDA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluoro-n-octadecanoic acid (PFODA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorobutanesulfonic acid (PFBS)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluoropentanesulfonic acid (PFPeS)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorohexanesulfonic acid (PFHxS)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluoroheptanesulfonic Acid (PFHpS)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorooctanesulfonic acid (PFOS)	ug/Kg	537	---	1260	16,400	---	---	---	---	---	---
Perfluorononanesulfonic acid (PFNS)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorodecanesulfonic acid (PFDS)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorododecanesulfonic acid (PFDoS)	ug/Kg	537	---	---	---	---	---	---	---	---	---
Perfluorooctanesulfonamide (FOSA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
NEIFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---
NMeFOSA	ug/Kg	537	---	---	---	---	---	---	---	---	---
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
N-ethylperfluorooctanesulfonamidoacetic acid (NEFOSAA)	ug/Kg	537	---	---	---	---	---	---	---	---	---
NMeFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---
NEFOSE	ug/Kg	537	---	---	---	---	---	---	---	---	---
4:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---
6:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---
8:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---
10:2 FTS	ug/Kg	537	---	---	---	---	---	---	---	---	---
DONA	ug/Kg	537	---	---	---	---	---	---	---	---	---
HFPO-DA (GenX)	ug/Kg	537	---	---	---	---	---	---	---	---	---
F-53B Major	ug/Kg	537	---	---	---	---	---	---	---	---	---
F-53B Minor	ug/Kg	537	---	---	---	---	---	---	---	---	---

(1) From WDNR RCLs Worksheet dated December 2018

Italicized values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

BOLD values exceed Groundwater Protection, Non-Industrial Direct Contact, or Industrial Direct-Contact RCLs

BOLD Underlined values exceed Groundwater Protection, Non-Industrial Direct Contact, or 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 and/or matrix spike duplicate recovery exceeds control limits

F2 MS/MSD RPD exceeds control limits

V Serial Dilution exceeds the control limits

B = Compound was found in the blank and sample

*+ = Laboratory control sample and/or laboratory control sample duplicate is outside acceptance limits, high biased

* = 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

*** = Combined established standard for NR 720 RCLs for groundwater protection

TABLE 2
GROUNDWATER ELEVATION DATA
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

Well ID	Units	EB-MW-1	EB-MW-2	EB-MW-3	EB-MW3*	EB-MW-3R	EB-MW-4	EB-MW-4R	EB-MW-4RR	EB-MW-5	EB-MW-6										
Date Installed	---	5/5/2021	6/3/2021	7/21/2021	7/21/2021	7/19/2022	7/21/2021	11/29/2021	7/19/2022	6/3/2021	7/20/2021										
Ground Elevation	Feet	686.592	685.932	684.66	683.822	683.773	685.1	684.35	684.35	680.026	676.102										
TOC Elevation	Feet	689.625	685.512	687.727	683.748	682.285	688.074	686.60	680.11	682.848	675.713										
TOS Elevation	Feet	677.662	681.01	674.66	673.82	664.04	671.6	674.35	672.91	673.946	664.602										
BOS Elevation	Feet	662.662	666.01	664.66	664.66	649.04	656.60	659.35	657.91	663.94	649.60										
Screen Height	Feet	15	10	15	15	15	15	15	15	10	15										
DATE	DTW (TOC)	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	DTW	GROUNDWATER ELEVATION	
5/18/2021	DRY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
6/10/2021	DRY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
6/22/2021	DRY	---	7.97	677.54	---	---	---	---	---	---	---	---	---	---	---	12.51	670.34	---	---	---	
6/30/2021	DRY	---	7.75	677.76	---	---	---	---	---	---	---	---	---	---	---	12.54	670.31	---	---	---	
7/20/2021	DRY	---	7.99	677.52	---	---	---	---	---	---	---	---	---	---	---	12.74	670.11	---	---	---	
7/29/2021	DRY	---	8.12	677.39	DRY	---	---	---	---	---	---	---	---	---	---	12.87	669.98	24.89	650.82	---	
8/19/2021	DRY	---	7.85	677.66	22.44	665.29	---	---	---	---	---	---	---	---	---	11.50	671.35	23.80	651.91	---	
8/25/2021	DRY	---	---	---	22.44	665.29	---	---	---	---	---	---	---	---	---	---	---	23.71	652.00	---	
11/12/2021	DRY	---	Broken/Damaged		22.69	665.04	---	---	---	---	---	---	---	---	---	12.43	670.42	21.51	654.20	---	
11/29/2021	DRY	---	Broken/Damaged		22.69	665.04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
12/13/2021	DRY	---	Broken/Damaged		DRY	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
3/10/2022	DRY	---	Broken/Damaged		DRY	---	---	---	---	---	---	---	---	---	---	13.55	669.30	21.21	654.50	---	
3/30/2022	DRY	---	7.97	677.54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
8/4/2022	DRY	---	8.17	677.34	---	---	DRY	---	DRY	---	---	---	---	---	---	20.44	659.67	11.93	670.92	19.40	656.31
11/14/2023	DRY	---	8.61	676.90	---	---	---	---	---	---	---	---	---	---	---	21.40	658.71	17.50	665.35	23.40	652.31

Notes:
DTW= Depth to Water
TOC=Top of Casing
TOS=Top of Screen
BOS= Bottom of Screen
* = Converted from a stickup pipe to a flushmount cover.
---- = Not Measured

TABLE 4
GROUNDWATER QUALITY TEST RESULTS-SVOCs
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

Sample Date	Units	EPA Method	NR 140 PAL	NR 140 ES	EB-B-18/MW-2 ¹				EB-MW-3	EB-B-20/MW-4	EB-B-20A/MW-4R			MW-4RR		EB-B-21/MW-5					EB-B-27/MW-6					
					6/30/2021	3/30/2022	8/4/2022	11/14/2023	11/29/2021	7/29/2021	12/14/2021	3/10/2022	3/30/2022	8/4/2022	11/14/2023	6/30/2021	11/12/2021	3/10/2022	8/5/2022	11/14/2023	8/25/2021	11/12/2021	3/10/2022	8/5/2022	11/14/2023	
Semi-Volatile Organic Compounds (SVOCs)																										
1,2,4-Trichlorobenzene	ug/L	8270D	14	70	---	---	---	---	---	<0.18	<0.18	---	<0.19	<0.19	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	ug/L	8270D	60	600	---	---	---	---	---	<0.18	<0.18	---	<0.20	<0.19	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene	ug/L	8270D	120	600	---	---	---	---	---	<0.16	<0.16	---	<0.17	<0.16	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	ug/L	8270D	15	75	---	---	---	---	---	<0.16	<0.16	---	<0.17	<0.16	---	---	---	---	---	---	---	---	---	---	---	---
1-Methylnaphthalene	ug/L	8270D	---	---	---	---	---	---	---	<0.22	<0.23	---	<0.24	<0.24	---	---	---	---	---	---	---	---	---	---	---	---
2,2'-oxybis[1-chloropropane]	ug/L	8270D	---	---	---	---	---	---	---	<0.28	<0.28	---	<0.31	<0.30	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	ug/L	8270D	---	---	---	---	---	---	---	<1.9	<1.9	---	<2.1	<2.0	---	---	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	ug/L	8270D	---	---	---	---	---	---	---	<0.53	<0.54	---	<0.58	<0.56	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	ug/L	8270D	---	---	---	---	---	---	---	<1.9	<1.9	---	<2.1	<2.0	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	ug/L	8270D	---	---	---	---	---	---	---	<1.3	<1.3	---	<1.4	<1.4	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	ug/L	8270D	---	---	---	---	---	---	---	<6.4	<6.4	---	<6.9	<6.7	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	ug/L	8270D	0.005	0.05	---	---	---	---	---	<0.18	<0.18	---	<0.20	<0.19	---	---	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	ug/L	8270D	0.005	0.05	---	---	---	---	---	<0.055	<0.055	---	<0.059	<0.058	---	---	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene	ug/L	8270D	---	---	---	---	---	---	---	<0.18	<0.18	---	<0.19	<0.18	---	---	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	ug/L	8270D	---	---	---	---	---	---	---	<0.42	<0.42	---	<0.45	<0.44	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	ug/L	8270D	---	---	---	---	---	---	---	0.055 J	<0.049	---	<0.052	0.084 J	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	ug/L	8270D	---	---	---	---	---	---	---	<0.23	<0.23	---	<0.25	<0.24	---	---	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	ug/L	8270D	---	---	---	---	---	---	---	<0.96	<0.96	---	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	ug/L	8270D	---	---	---	---	---	---	---	<1.9	<1.9	---	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---	---	---
3 & 4 Methylphenol	ug/L	8270D	---	---	---	---	---	---	---	<0.34	<0.34	---	<0.36	<0.35	---	---	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	ug/L	8270D	---	---	---	---	---	---	---	<1.3*	<1.3	---	<1.4	<1.3	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	ug/L	8270D	---	---	---	---	---	---	---	1.6 J	<1.3	---	<1.4	<1.4	---	---	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	ug/L	8270D	---	---	---	---	---	---	---	<4.4	<4.4	---	<4.7	<4.6	---	---	---	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenyl ether	ug/L	8270D	---	---	---	---	---	---	---	<0.40	<0.40	---	<0.43	<0.42	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	ug/L	8270D	---	---	---	---	---	---	---	<1.7	<1.7	---	<1.8	<1.8	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	ug/L	8270D	---	---	---	---	---	---	---	<1.5	<1.5	---	<1.6	<1.6	---	---	---	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenyl ether	ug/L	8270D	---	---	---	---	---	---	---	<0.47	<0.48	---	<0.51	<0.50	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	ug/L	8270D	---	---	---	---	---	---	---	<1.2	<1.2	---	<1.3	<1.3	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	ug/L	8270D	---	---	---	---	---	---	---	<5.5	<5.6	---	<6.0	<5.8	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthene	ug/L	8270D	---	---	---	---	---	---	---	<0.23	<0.23	---	<0.25	<0.24	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	ug/L	8270D	---	---	---	---	---	---	---	<0.20	<0.20	---	<0.21	<0.21	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	ug/L	8270D	3000	600	---	---	---	---	---	<0.25	<0.25	---	<0.27	<0.26	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]anthracene	ug/L	8270D	---	---	---	---	---	---	---	<0.042	<0.042	---	<0.046	0.12 J	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	ug/L	8270D	0.02	0.2	---	---	---	---	---	<0.074	<0.074	---	<0.079	0.17	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	ug/L	8270D	0.02	0.2	---	---	---	---	---	<0.060	<0.060	---	<0.065	0.19	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[g,h,i]perylene	ug/L	8270D	---	---	---	---	---	---	---	<0.28	<0.28	---	<0.30	<0.29	---	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	ug/L	8270D	---	---	---	---	---	---	---	<0.048	<0.048	---	<0.051	<0.050	---	---	---	---	---	---	---	---	---	---	---	---
Benzoic acid	ug/L	8270D	---	---	---	---	---	---	---	<4.3	10 J *1	---	<4.6	<4.5	---	---	---	---	---	---	---	---	---	---	---	---
Benzyl alcohol	ug/L	8270D	---	---	---	---	---	---	---	<4.5	<4.5	---	<4.9	<4.7	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	ug/L	8270D	---	---	---	---	---	---	---	<0.21	<0.21	---	<0.23	<0.22	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	ug/L	8270D	---	---	---	---	---	---	---	<0.22	<0.22	---	<0.24	<0.23	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl) phthalate	ug/L	8270D	0.6	6	---	---	---	---	---	<1.3	<1.3	---	<1.4	3.8 J	---	---	---	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	ug/L	8270D	---	---	---	---	---	---	---	<0.36	<0.36	---	<0.39	<0.38	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	ug/L	8270D	---	---	---	---	---	---	---	0.37 J	<0.26	---	<0.28	<0.28	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	ug/L	8270D	0.02	0.2	---	---	---	---	---	<0.051	<0.051	---	<0.055	0.18	---	---	---	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	ug/L	8270D	---	---	---	---	---	---	---	<0.038	<0.038	---	<0.041	<0.040	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	ug/L	8270D	---	---	---	---	---	---	---	<0.20	<0.20	---	<0.21	<0.21	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl phthalate	ug/L	8270D	---	---	---	---	---	---	---	<0.27	<0.27	---	<0.29	<0.28	---	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	ug/L	8270D	---	---	---	---	---	---	---	<0.23	<0.24	---	<0.25	<0.25	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	ug/L	8270D	100	1000	---	---	---	---	---	<0.55	<0.55	---	<0.59	<0.57	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	ug/L	8270D	---	---	---	---	---	---	---	<0.78	<0.79	---	<0.84	<0.82	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	ug/L	8270D	80	400	---	---	---	---	---	<0.34	<0.34	---	<0.36	<0.36	---	---	---	---	---	---	---	---	---	---	---	---
Fluorene	ug/L	8270D	80	400	---	---	---	---	---	<0.18	<0.18	---	<0.20	<0.19	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	ug/L	8270D	0.1	1	---	---	---	---	---	<0.059	<0.059	---	<0.064	<0.062	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	ug/L	8270D	---	---	---	---	---	---	---	<0.38	<0.39	---	<0.41	<0.40	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	ug/L	8270D	---	---	---	---	---	---	---	<4.8	<4.8	---	<5.1	<5.0	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	ug/L	8270D	---	---	---																					

TABLE 5
GROUNDWATER QUALITY TEST RESULTS-RCRA METALS
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

Sample Date	Units	EPA Method	NR 140 PAL	NR 140 ES	EB-B-18/MW-2 ¹				EB-MW-3	EB-B-20/MW-4	EB-B-20A/MW-4R			MW-4RR		EB-B-21/MW-5					EB-B-27/MW-6				
					6/30/2021	3/30/2022	8/4/2022	11/14/2023	11/29/2021	7/29/2021	12/14/2021	3/10/2022	3/30/2022	8/4-5/2022	11/14/2023	6/30/2021	11/12/2021	3/10/2022	8/5/2022	11/14/2023	8/25/2021	11/12/2021	3/10/2022	8/5/2022	11/14/2023
Dissolved Resource Conservation and Recovery Act (RCRA) Metals																									
Arsenic	ug/L	6020A	<i>1</i>	10	---	---	---	0.92 J	---	---	0.92 J	---	---	---	0.34 J	---	0.65 J	0.85 J	---	0.56 J	<i>4.5 B</i>	<i>1.6</i>	<i>1.5</i>	---	0.68 J
Barium	ug/L	6020A	<i>400</i>	2000	---	---	---	130	---	---	140 B	---	---	---	68	---	150	120	---	45	150	49	30	---	15
Cadmium	ug/L	6020A	<i>0.5</i>	5	---	---	---	<0.17	---	---	<0.17	---	---	---	0.20 J	---	<0.17	<0.17	---	<0.17	<0.17	<0.17	0.19 J	---	0.28 J
Chromium	ug/L	6020A	<i>10</i>	100	---	---	---	<1.1	---	---	<1.1	---	---	---	<1.1	---	2.6 J	<1.1	---	<1.1	<1.1	<1.1	<1.1	---	<1.1
Lead	ug/L	6020A	<i>1.5</i>	15	---	---	---	0.47 J B	---	---	<0.19	---	---	---	0.62 B	---	1.3	<0.19	---	1.4 B	0.34 J B	0.21 J	<0.19	---	1.1 B
Selenium	ug/L	6020A	<i>10</i>	50	---	---	---	<0.98	---	---	4.8	---	---	---	<0.98	---	26	23	---	12	2.5	<0.98	<0.98	---	<0.98
Silver	ug/L	6020A	<i>10</i>	50	---	---	---	<0.12	---	---	<0.12	---	---	---	<0.12	---	<0.12	<0.12	---	<0.12	<0.12	<0.12	<0.12	---	<0.12
Mercury	ug/L	7470A	<i>0.2</i>	2	---	---	---	<0.079	---	---	<0.098	---	---	---	<0.079	---	<0.098	<0.098	---	<0.079	<0.098	<0.098	---	<0.079	

Notes:
 Italics = Exceeds Wisconsin Administrative Code (WAC) NR 140 Preventive Action Limits (PAL), July 2023
 Bold = Exceeds WAC NR 140 Enforcement Standard (ES), July 2023
 --- Not Sampled
 ug/L= Results expressed in micrograms per liter (ug/L)
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
 B = Compound was found in the blank and sample
 1 - Incorrectly labeled in the 6/30/2021 analytical lab report as EB-B-17/MW-2

TABLE 6
GROUNDWATER QUALITY TEST RESULTS-PCBs
COMMUNITY WITHIN THE CORRIDOR - EAST BLOCK
MILWAUKEE, WI
PROJECT NUMBER: 40441

Sample Date	Units	EPA Method	NR 140 PAL	NR 140 ES	EB-B-18/MW-2 ¹				EB-MW-3	EB-B-20/MW-4	EB-B-20A/MW-4R			MW-4RR		EB-B-21/MW-5				EB-B-27/MW-6					
					6/30/2021	3/30/2022	8/4/2022	11/14/2023	11/29/2021	7/29/2021	12/14/2021	3/10/2022	3/30/2022	8/4-5/2022	11/14/2023	6/30/2021	11/12/2021	3/10/2022	8/5/2022	11/14/2023	8/25/2021	11/12/2021	3/10/2022	8/5/2022	11/14/2023
Polychlorinated Biphenyls (PCBs)																									
PCB-1016	ug/L	8082A	0.03	0.003	---	<0.064	<0.13	<0.18	---	---	---	---	<0.065	<0.065	<3.5	---	---	<0.065	<0.062	<0.18	---	---	<0.063	<0.062	<0.18
PCB-1221	ug/L	8082A	0.03	0.003	---	<0.19	<0.38	<0.18	---	---	---	---	<0.19	<0.19	<3.5	---	---	<0.19	<0.19	<0.18	---	---	<0.19	<0.19	<0.18
PCB-1232	ug/L	8082A	0.03	0.003	---	<0.19	<0.38	<0.18	---	---	---	---	<0.19	<0.19	<3.5	---	---	<0.19	<0.19	<0.18	---	---	<0.19	<0.19	<0.18
PCB-1242	ug/L	8082A	0.03	0.003	---	<0.19	<0.38	<0.18	---	---	---	---	<0.19	<0.19	<3.5	---	---	<0.19	<0.19	<0.18	---	---	<0.19	<0.19	<0.18
PCB-1248	ug/L	8082A	0.03	0.003	---	<0.19	4.3	0.31 J	---	---	---	---	<0.19	<0.19	<3.5	---	---	<0.19	<0.19	<0.18	---	---	<0.19	<0.19	<0.18
PCB-1254	ug/L	8082A	0.03	0.003	---	1.6	<0.38	<0.25	---	---	---	---	<0.19	<0.19	<5.0	---	---	<0.19	<0.19	<0.26	---	---	<0.19	<0.19	<0.25
PCB-1260	ug/L	8082A	0.03	0.003	---	<0.067	<0.13	<0.25	---	---	---	---	<0.068	<0.068	56	---	---	<0.068	<0.065	<0.26	---	---	<0.066	<0.065	<0.25

Notes:

- Italics = Exceeds Wisconsin Administrative Code (WAC) NR 140 Preventive Action Limits (PAL), July 2023
- Bold = Exceeds WAC NR 140 Enforcement Standard (ES), July 2023
- No Established Standard/Not Sampled
- ug/L= Results expressed in micrograms per liter (ug/L)
- J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
- 1 - Incorrectly labeled in the 6/30/2021 analytical lab report as EB-B-17/MW-2

ATTACHMENTS

ATTACHMENT A

Soil Boring Logs and Borehole Abandonment Forms

SOIL BORING LOG

PROJECT NAME: CWC - East Block

GROUND SURFACE ELEVATION:

DATE BEGAN: 3/21/2023

DRILL EQUIP: Geoprobe

NORTH:

DATE FINISHED: 3/21/2023

DRILLER: Scot Klump

EAST:

PROJECT NO: 40441

DRILLING METHOD:

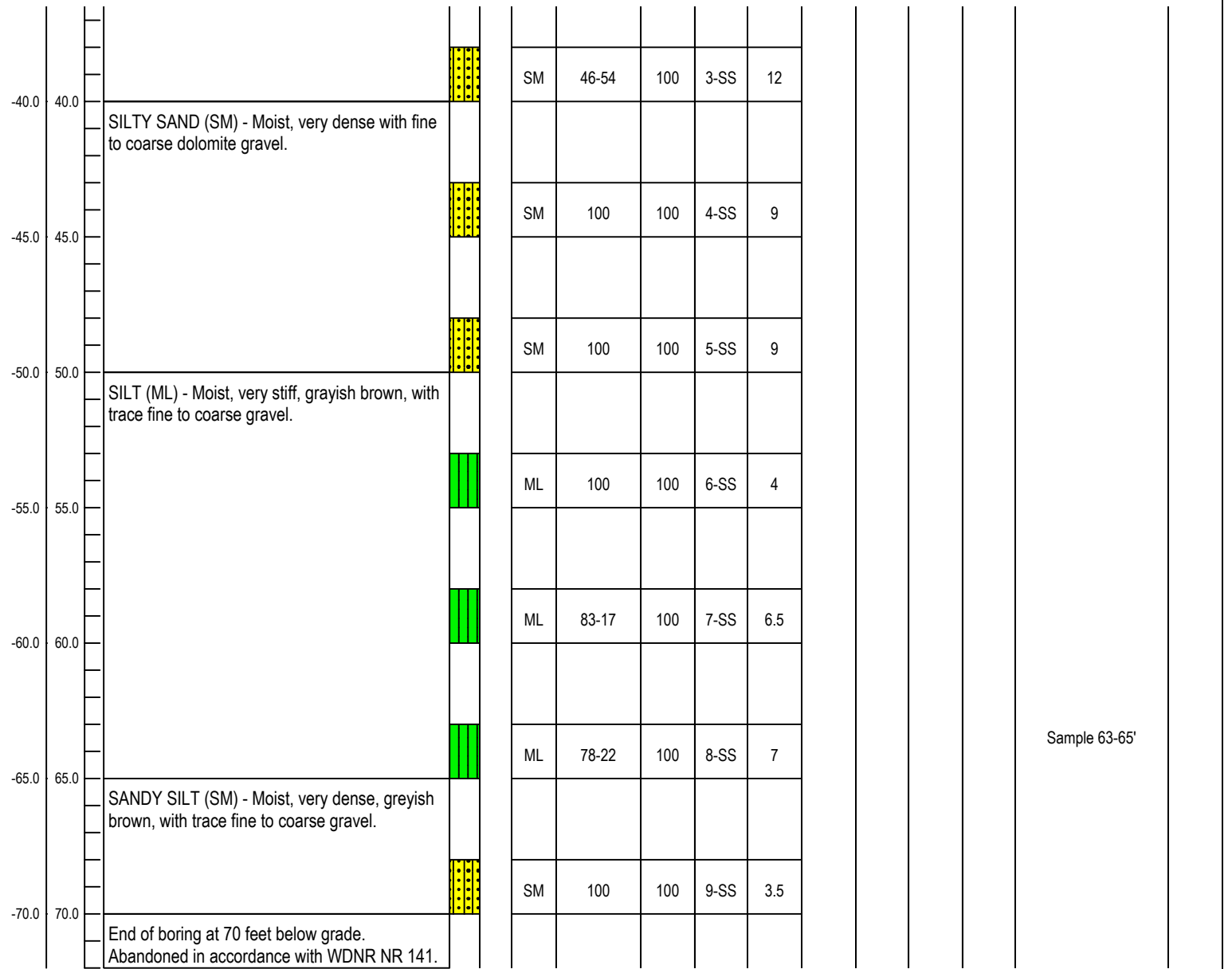
CHECKED BY: Robert Reineke, P.E.

BORING NO: EB-MW-1R2

CONTRACTOR: Subsurface Exploration Services, LLC

FIELD ENGINEER: Dan Pelczar

Elevation (FT)	Depth (FT)	Description	Graphic Profile	Graphic Well Profile	USCS	SPT Blows Per 6"	N-Value	Sample Number	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Percent Passing Sieve 200	Remarks/ PID	Qp (penetrometer, tsf)
----------------	------------	-------------	-----------------	----------------------	------	------------------	---------	---------------	--------------------	--------------------	-------------------	--------------------	---------------------------	--------------	------------------------



SOIL BORING LOG

PROJECT NAME: CWC - East Block	GROUND SURFACE ELEVATION:	DATE BEGAN: 3/21/2023
DRILL EQUIP: Geoprobe	NORTH:	DATE FINISHED: 3/21/2023
DRILLER: Scot Klump	EAST:	PROJECT NO: 40441
DRILLING METHOD:	CHECKED BY: Robert Reineke, P.E.	BORING NO: EB-MW-7
CONTRACTOR: Subsurface Exploration Services, LLC	FIELD ENGINEER: Dan Pelczar	

Elevation (FT)	Depth (FT)	Description	Graphic Profile	Graphic Well Profile	USCS	SPT Blows Per 6"	N-Value	Sample Number	Recovered (Inches)	Moisture Content %	Liquid Limit (LL)	Plastic Limit (PL)	Percent Passing Sieve 200	Remarks / PID	Qp (penetrometer, tsf)
0.0	0.0	CLAY (CL) - Brown, moist, soft with trace fine gravel.	█		CL										0.5
		SILTY CLAY (CL) - Yellowish brown, moist, medium consistency, with trace fine gravel.	█		CL			1-SS							1
		End of boring at 2 feet below grade. Hit concrete slab with echo, potential vault. Abandoned in accordance with WDNR NR 141.													

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.

Route to DNR Bureau:

Verification Only of Fill and Seal

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County Milwaukee		WI Unique Well # of Removed Well _____		Hicap # _____		Facility Name Community Within the Corridor - East Block	
Latitude / Longitude (see instructions) _____ N _____ W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) 241025400	
1/4 / 1/4 or Gov't Lot #		Section		Township N		License/Permit/Monitoring #	
Well Street Address 2748 M. 32nd St		Well City, Village or Town Milwaukee		Well ZIP Code 53210		Original Well Owner Roers Companies	
Subdivision Name Cawker's		Lot #		City of Present Owner Minnetonka		State MN	ZIP Code 55305
Reason for Removal from Service Auger refusal		WI Unique Well # of Replacement Well _____		Present Well Owner Roers Companies			
3. Filled & Sealed Well / Drillhole / Borehole Information							
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) 3/21/2023		Mailing Address of Present Owner 110 Cheshire Ln #120			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		City of Present Owner Minnetonka			
<input checked="" type="checkbox"/> Borehole / Drillhole				State MN			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____				ZIP Code 55305			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				City of Present Owner Minnetonka			
Total Well Depth From Ground Surface (ft.) 26.5		Casing Diameter (in.) 8.25		State MN			
Lower Drillhole Diameter (in.) 0		Casing Depth (ft.) 0		ZIP Code 55305			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet) > 26.5 (unknown)		City of Present Owner Minnetonka			
				State MN			
				ZIP Code 55305			
4. Pump, Liner, Screen, Casing & Sealing Material							
Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Required Method of Placing Sealing Material			
Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Liner(s) perforated?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity			
Screen removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Sealing Materials			
Casing left in place?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete			
Was casing cut off below surface?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		For Monitoring Wells and Monitoring Well Boreholes Only:			
Did material settle after 24 hours?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
If yes, was hole retopped?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
If bentonite chips were used, were they hydrated with water from a known safe source?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A					
5. Material Used to Fill Well / Drillhole							
Soil/Mulch		From (ft.) 0	To (ft.) 0.5	No. Yards, Sacks Sealant or Volume (circle one)		Mix Ratio or Mud Weight	
Blackhills Bentonite		0.5	26.5	6- sacks			
6. Comments							
EB-MW-1R1							
7. Supervision of Work						DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Soils & Engineering Services, Inc.		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 3/22/2023		Date Received	Noted By	
Street or Route 1102 Stewart St.		Telephone Number (608) 274-7600		Comments			
City Madison		State WI	ZIP Code 53713	Signature of Person Doing Work Daniel Pelczar		Date Signed 3/22/2023	

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.

Route to DNR Bureau:

Verification Only of Fill and Seal

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information

County Milwaukee		WI Unique Well # of Removed Well	Hicap #
Latitude / Longitude (see instructions)		Format Code	Method Code
_____ N		<input checked="" type="checkbox"/> DD	<input type="checkbox"/> GPS008
_____ W		<input type="checkbox"/> DDM	<input checked="" type="checkbox"/> SCR002
1/4 / 1/4	1/4	Section	Township
or Gov't Lot #			Range <input type="checkbox"/> E
			<input type="checkbox"/> W
Well Street Address 2748 M. 32nd St			
Well City, Village or Town Milwaukee		Well ZIP Code 53210	
Subdivision Name Cawker's		Lot #	
Reason for Removal from Service Auger refusal	WI Unique Well # of Replacement Well		

2. Facility / Owner Information

Facility Name Community Within the Corridor - East Block		
Facility ID (FID or PWS) 241025400		
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 Minnetonka	State MN	ZIP Code 55305

3. Filled & Sealed Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 3/21/2023
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.
<input checked="" type="checkbox"/> Borehole / Drillhole	
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Dug
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Ground Surface (ft.) 70	Casing Diameter (in.) 8.25
Lower Drillhole Diameter (in.) 0	Casing Depth (ft.) 0
Was well annular space grouted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
If yes, to what depth (feet)?	Depth to Water (feet) > 70.0 (unknown)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Liner(s) perforated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input checked="" type="checkbox"/> Other (Explain): Gravity
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Concrete
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> 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
Topsoil	0	0.5		
Bentonite Chips 3/8"	0.5	70	16- 50lb sacks	

6. Comments

EB-MW-1R2

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing K. Singh & Associates, inc.	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 7/18/2023	DNR Use Only	
			Date Received	Noted By
Street or Route 3636 N 124th St		Telephone Number (262)821-1171	Comments	
City Wauwatosa	State WI	ZIP Code 53322	Signature of Person Doing Work Samuel Ramirez	Date Signed 7/18/2023

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.

Route to DNR Bureau:

Verification Only of Fill and Seal

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County Milwaukee		WI Unique Well # of Removed Well _____		Hicap # _____		Facility Name Community Within the Corridor - East Block	
Latitude / Longitude (see instructions) _____ N _____ W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input checked="" type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) 241025400	
1/4 / 1/4 or Gov't Lot #		Section _____		Township N		License/Permit/Monitoring #	
Well Street Address 2748 M. 32nd St		Well City, Village or Town Milwaukee		Well ZIP Code 53210		Original Well Owner Roers Companies	
Subdivision Name Cawker's		Lot #		City of Present Owner Minnetonka		State MN	
Reason for Removal from Service Auger refusal		WI Unique Well # of Replacement Well _____		Mailing Address of Present Owner 110 Cheshire Ln #120		ZIP Code 55305	
4. Pump, Liner, Screen, Casing & Sealing Material							
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) 3/21/2023		<input type="checkbox"/> Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole		Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft.) 2		Casing Diameter (in.) 8.25		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): Gravity	
Lower Drillhole Diameter (in.) 0		Casing Depth (ft.) 0		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		If yes, to what depth (feet)?		Depth to Water (feet) > 2 (unknown)		Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		5. Material Used to Fill Well / Drillhole		From (ft.)		To (ft.)	
Soil		0		0.5		No. Yards, Sacks Sealant or Volume (circle one)	
Blackhills bentonite		0.5		2		0.5 sacks	
Mix Ratio or Mud Weight							
6. Comments							
EB-MW-7							
7. Supervision of Work						DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Soil & Engineering Services, Inc.		License #		Date of Filling & Sealing or Verification (mm/dd/yyyy) 3/22/2023		Date Received	
Street or Route 1102 Stewart Street		Telephone Number (608) 274-7600		Signature of Person Doing Work Daniel Pelczar		Noted By	
City Madison		State WI		ZIP Code 53713		Comments	
						Date Signed 3/22/2023	

ATTACHMENT B

Soil Laboratory Analytical Results



ANALYTICAL REPORT

PREPARED FOR

Attn: Daniel Pelczar
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

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JOB DESCRIPTION

CWC East Block 40441

JOB NUMBER

500-231195-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



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Authorized for release by
Sandie Fredrick, Project Manager II
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Case Narrative

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Job ID: 500-231195-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-231195-1

Comments

No additional comments.

Receipt

The samples were received on 3/24/2023 9:50 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 3.3° C.

GC/MS VOA

Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. EB-MW-1R, 28' to 30' (500-231195-1), EB-MW-1R, 63' to 65' (500-231195-2) and EB-MW-7, 2' to 4' (500-231195-3)

Method 8260B: The laboratory control sample (LCS) for 704214 recovered outside control limits for Bromobenzene. This is a prepped 5035 LCS. All daily instrument LCSs were acceptable, and the data have been reported. EB-MW-1R, 28' to 30' (500-231195-1), EB-MW-1R, 63' to 65' (500-231195-2) and EB-MW-7, 2' to 4' (500-231195-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270E: The following samples were diluted due to the nature of the sample matrix: EB-MW-1R, 28' to 30' (500-231195-1). 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.

GC Semi VOA

Method 8082A: The following samples required a mercury clean-up, via EPA Method 3660A, to reduce matrix interferences caused by sulfur: EB-MW-1R, 28' to 30' (500-231195-1) and EB-MW-1R, 63' to 65' (500-231195-2). The reagent lot number used was: T12I032.

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.

General Chemistry

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
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-1R, 28' to 30'

Lab Sample ID: 500-231195-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.065	J	0.082	0.014	mg/Kg	2	✳	8270E	Total/NA
Benzo[a]anthracene	0.47		0.082	0.011	mg/Kg	2	✳	8270E	Total/NA
Benzo[a]pyrene	0.67		0.082	0.016	mg/Kg	2	✳	8270E	Total/NA
Benzo[b]fluoranthene	0.82		0.082	0.018	mg/Kg	2	✳	8270E	Total/NA
Benzo[g,h,i]perylene	0.64		0.082	0.027	mg/Kg	2	✳	8270E	Total/NA
Benzo[k]fluoranthene	0.31		0.082	0.024	mg/Kg	2	✳	8270E	Total/NA
Chrysene	0.61		0.082	0.022	mg/Kg	2	✳	8270E	Total/NA
Dibenz(a,h)anthracene	0.12		0.082	0.016	mg/Kg	2	✳	8270E	Total/NA
Fluoranthene	0.99		0.082	0.015	mg/Kg	2	✳	8270E	Total/NA
Fluorene	0.013	J	0.082	0.012	mg/Kg	2	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.59		0.082	0.021	mg/Kg	2	✳	8270E	Total/NA
Phenanthrene	0.24		0.082	0.011	mg/Kg	2	✳	8270E	Total/NA
Pyrene	0.94		0.082	0.016	mg/Kg	2	✳	8270E	Total/NA
Arsenic	6.2		1.1	0.38	mg/Kg	1	✳	6010B	Total/NA
Barium	75		1.1	0.13	mg/Kg	1	✳	6010B	Total/NA
Cadmium	0.36		0.22	0.040	mg/Kg	1	✳	6010B	Total/NA
Chromium	20		1.1	0.55	mg/Kg	1	✳	6010B	Total/NA
Lead	21		0.55	0.25	mg/Kg	1	✳	6010B	Total/NA
Silver	0.31	J	0.55	0.14	mg/Kg	1	✳	6010B	Total/NA
Mercury	0.025		0.019	0.0098	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: EB-MW-1R, 63' to 65'

Lab Sample ID: 500-231195-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.0056	J	0.036	0.0050	mg/Kg	1	✳	8270E	Total/NA
Arsenic	3.9		0.98	0.34	mg/Kg	1	✳	6010B	Total/NA
Barium	17		0.98	0.11	mg/Kg	1	✳	6010B	Total/NA
Cadmium	0.24		0.20	0.035	mg/Kg	1	✳	6010B	Total/NA
Chromium	6.9		0.98	0.49	mg/Kg	1	✳	6010B	Total/NA
Lead	7.6		0.49	0.23	mg/Kg	1	✳	6010B	Total/NA

Client Sample ID: EB-MW-7, 2' to 4'

Lab Sample ID: 500-231195-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.033	J	0.038	0.0051	mg/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	0.036	J	0.038	0.0074	mg/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	0.044		0.038	0.0083	mg/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	0.020	J	0.038	0.012	mg/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	0.014	J	0.038	0.011	mg/Kg	1	✳	8270E	Total/NA
Chrysene	0.039		0.038	0.010	mg/Kg	1	✳	8270E	Total/NA
Fluoranthene	0.061		0.038	0.0071	mg/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.021	J	0.038	0.0099	mg/Kg	1	✳	8270E	Total/NA
Naphthalene	0.0071	J	0.038	0.0059	mg/Kg	1	✳	8270E	Total/NA
Phenanthrene	0.069		0.038	0.0053	mg/Kg	1	✳	8270E	Total/NA
Pyrene	0.083		0.038	0.0076	mg/Kg	1	✳	8270E	Total/NA
Arsenic	5.5		1.0	0.36	mg/Kg	1	✳	6010B	Total/NA
Barium	47		1.0	0.12	mg/Kg	1	✳	6010B	Total/NA
Cadmium	0.43		0.21	0.038	mg/Kg	1	✳	6010B	Total/NA
Chromium	14		1.0	0.52	mg/Kg	1	✳	6010B	Total/NA
Lead	18		0.52	0.24	mg/Kg	1	✳	6010B	Total/NA
Silver	0.28	J	0.52	0.13	mg/Kg	1	✳	6010B	Total/NA
Mercury	0.018		0.018	0.0096	mg/Kg	1	✳	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CHI
6010B	Metals (ICP)	SW846	EET CHI
7471B	Mercury (CVAA)	SW846	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
3050B	Preparation, Metals	SW846	EET CHI
3541	Automated Soxhlet Extraction	SW846	EET CHI
3546	Microwave Extraction	SW846	EET CHI
5035	Closed System Purge and Trap	SW846	EET CHI
7471B	Preparation, Mercury	SW846	EET 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:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-231195-1	EB-MW-1R, 28' to 30'	Soil	03/21/23 14:30	03/24/23 09:50
500-231195-2	EB-MW-1R, 63' to 65'	Soil	03/22/23 11:10	03/24/23 09:50
500-231195-3	EB-MW-7, 2' to 4'	Soil	03/22/23 13:00	03/24/23 09:50

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Client Sample Results

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-1R, 28' to 30'

Lab Sample ID: 500-231195-1

Date Collected: 03/21/23 14:30

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 80.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.042		0.091	0.042	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,1,1-Trichloroethane	<0.034		0.091	0.034	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,1,2,2-Tetrachloroethane	<0.036		0.091	0.036	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,1,2-Trichloroethane	<0.032		0.091	0.032	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,1-Dichloroethane	<0.037		0.091	0.037	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,1-Dichloroethene	<0.035		0.091	0.035	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,1-Dichloropropene	<0.027		0.091	0.027	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2,3-Trichlorobenzene	<0.042		0.091	0.042	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2,3-Trichloropropane	<0.038		0.18	0.038	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2,4-Trichlorobenzene	<0.031		0.091	0.031	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2,4-Trimethylbenzene	<0.032		0.091	0.032	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2-Dibromo-3-Chloropropane	<0.18		0.45	0.18	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2-Dibromoethane (EDB)	<0.035		0.091	0.035	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2-Dichlorobenzene	<0.030		0.091	0.030	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2-Dichloroethane	<0.036		0.091	0.036	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,2-Dichloropropane	<0.039		0.091	0.039	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,3,5-Trimethylbenzene	<0.034		0.091	0.034	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,3-Dichlorobenzene	<0.036		0.091	0.036	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,3-Dichloropropane	<0.033		0.091	0.033	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
1,4-Dichlorobenzene	<0.033		0.091	0.033	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
2,2-Dichloropropane	<0.040		0.091	0.040	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
2-Chlorotoluene	<0.028		0.091	0.028	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
4-Chlorotoluene	<0.032		0.091	0.032	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Benzene	<0.013		0.023	0.013	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Bromobenzene	<0.032	*+	0.091	0.032	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Bromochloromethane	<0.039		0.091	0.039	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Dichlorobromomethane	<0.034		0.091	0.034	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Bromoform	<0.044		0.091	0.044	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Bromomethane	<0.072		0.27	0.072	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Carbon tetrachloride	<0.035		0.091	0.035	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Chlorobenzene	<0.035		0.091	0.035	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Chloroethane	<0.046		0.091	0.046	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Chloroform	<0.034		0.18	0.034	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Chloromethane	<0.029		0.091	0.029	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
cis-1,2-Dichloroethene	<0.037		0.091	0.037	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
cis-1,3-Dichloropropene	<0.038		0.091	0.038	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Dibromochloromethane	<0.044		0.091	0.044	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Dibromomethane	<0.024		0.091	0.024	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Dichlorodifluoromethane	<0.061		0.27	0.061	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Ethylbenzene	<0.017		0.023	0.017	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Hexachlorobutadiene	<0.040		0.091	0.040	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Isopropyl ether	<0.025		0.091	0.025	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Isopropylbenzene	<0.035		0.091	0.035	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Methyl tert-butyl ether	<0.036		0.091	0.036	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Methylene Chloride	<0.15		0.45	0.15	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Naphthalene	<0.030		0.091	0.030	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
n-Butylbenzene	<0.035		0.091	0.035	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
N-Propylbenzene	<0.038		0.091	0.038	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
p-Isopropyltoluene	<0.033		0.091	0.033	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50

Eurofins Chicago

Client Sample Results

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-1R, 28' to 30'

Lab Sample ID: 500-231195-1

Date Collected: 03/21/23 14:30

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 80.1

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.036		0.091	0.036	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Styrene	<0.035		0.091	0.035	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
tert-Butylbenzene	<0.036		0.091	0.036	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Tetrachloroethene	<0.034		0.091	0.034	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Toluene	<0.013		0.023	0.013	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
trans-1,2-Dichloroethene	<0.032		0.091	0.032	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
trans-1,3-Dichloropropene	<0.033		0.091	0.033	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Trichloroethene	<0.015		0.045	0.015	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Trichlorofluoromethane	<0.039		0.091	0.039	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Vinyl chloride	<0.024		0.091	0.024	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50
Xylenes, Total	<0.020		0.045	0.020	mg/Kg	✱	03/22/23 14:30	03/30/23 14:42	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126	03/22/23 14:30	03/30/23 14:42	50
4-Bromofluorobenzene (Surr)	116		72 - 124	03/22/23 14:30	03/30/23 14:42	50
Dibromofluoromethane (Surr)	89		75 - 120	03/22/23 14:30	03/30/23 14:42	50
Toluene-d8 (Surr)	109		75 - 120	03/22/23 14:30	03/30/23 14:42	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.015		0.082	0.015	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Acenaphthylene	<0.011		0.082	0.011	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Anthracene	0.065	J	0.082	0.014	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Benzo[a]anthracene	0.47		0.082	0.011	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Benzo[a]pyrene	0.67		0.082	0.016	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Benzo[b]fluoranthene	0.82		0.082	0.018	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Benzo[g,h,i]perylene	0.64		0.082	0.027	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Benzo[k]fluoranthene	0.31		0.082	0.024	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Chrysene	0.61		0.082	0.022	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Dibenz(a,h)anthracene	0.12		0.082	0.016	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Fluoranthene	0.99		0.082	0.015	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Fluorene	0.013	J	0.082	0.012	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Indeno[1,2,3-cd]pyrene	0.59		0.082	0.021	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Naphthalene	<0.013		0.082	0.013	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Phenanthrene	0.24		0.082	0.011	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
Pyrene	0.94		0.082	0.016	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
1-Methylnaphthalene	<0.020		0.17	0.020	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2
2-Methylnaphthalene	<0.015		0.17	0.015	mg/Kg	✱	03/29/23 14:14	04/12/23 13:00	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	69		37 - 147	03/29/23 14:14	04/12/23 13:00	2
Terphenyl-d14 (Surr)	73		42 - 157	03/29/23 14:14	04/12/23 13:00	2
2-Fluorobiphenyl (Surr)	77		43 - 145	03/29/23 14:14	04/12/23 13:00	2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0081		0.021	0.0081	mg/Kg	✱	03/29/23 08:05	03/29/23 19:32	1
PCB-1221	<0.0081		0.021	0.0081	mg/Kg	✱	03/29/23 08:05	03/29/23 19:32	1
PCB-1232	<0.0056		0.021	0.0056	mg/Kg	✱	03/29/23 08:05	03/29/23 19:32	1
PCB-1242	<0.0081		0.021	0.0081	mg/Kg	✱	03/29/23 08:05	03/29/23 19:32	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-1R, 28' to 30'

Lab Sample ID: 500-231195-1

Date Collected: 03/21/23 14:30

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 80.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0098		0.021	0.0098	mg/Kg	☼	03/29/23 08:05	03/29/23 19:32	1
PCB-1254	<0.0070		0.021	0.0070	mg/Kg	☼	03/29/23 08:05	03/29/23 19:32	1
PCB-1260	<0.0078		0.021	0.0078	mg/Kg	☼	03/29/23 08:05	03/29/23 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		49 - 129				03/29/23 08:05	03/29/23 19:32	1
DCB Decachlorobiphenyl	90		37 - 121				03/29/23 08:05	03/29/23 19:32	1

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.2		1.1	0.38	mg/Kg	☼	04/04/23 14:49	04/05/23 17:17	1
Barium	75		1.1	0.13	mg/Kg	☼	04/04/23 14:49	04/05/23 17:17	1
Cadmium	0.36		0.22	0.040	mg/Kg	☼	04/04/23 14:49	04/05/23 17:17	1
Chromium	20		1.1	0.55	mg/Kg	☼	04/04/23 14:49	04/05/23 17:17	1
Lead	21		0.55	0.25	mg/Kg	☼	04/04/23 14:49	04/05/23 17:17	1
Selenium	<0.65		1.1	0.65	mg/Kg	☼	04/04/23 14:49	04/05/23 17:17	1
Silver	0.31	J	0.55	0.14	mg/Kg	☼	04/04/23 14:49	04/05/23 17:17	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0098	mg/Kg	☼	04/03/23 18:45	04/04/23 09:41	1

Client Sample Results

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-1R, 63' to 65'

Lab Sample ID: 500-231195-2

Date Collected: 03/22/23 11:10

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 91.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.037		0.080	0.037	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,1,1-Trichloroethane	<0.030		0.080	0.030	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,1,2,2-Tetrachloroethane	<0.032		0.080	0.032	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,1,2-Trichloroethane	<0.028		0.080	0.028	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,1-Dichloroethane	<0.033		0.080	0.033	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,1-Dichloroethene	<0.031		0.080	0.031	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,1-Dichloropropene	<0.024		0.080	0.024	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2,3-Trichlorobenzene	<0.037		0.080	0.037	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2,3-Trichloropropane	<0.033		0.16	0.033	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2,4-Trichlorobenzene	<0.027		0.080	0.027	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2,4-Trimethylbenzene	<0.029		0.080	0.029	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2-Dibromo-3-Chloropropane	<0.16		0.40	0.16	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2-Dibromoethane (EDB)	<0.031		0.080	0.031	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2-Dichlorobenzene	<0.027		0.080	0.027	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2-Dichloroethane	<0.031		0.080	0.031	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,2-Dichloropropane	<0.034		0.080	0.034	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,3,5-Trimethylbenzene	<0.030		0.080	0.030	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,3-Dichlorobenzene	<0.032		0.080	0.032	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,3-Dichloropropane	<0.029		0.080	0.029	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
1,4-Dichlorobenzene	<0.029		0.080	0.029	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
2,2-Dichloropropane	<0.035		0.080	0.035	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
2-Chlorotoluene	<0.025		0.080	0.025	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
4-Chlorotoluene	<0.028		0.080	0.028	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Benzene	<0.012		0.020	0.012	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Bromobenzene	<0.028	*	0.080	0.028	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Bromochloromethane	<0.034		0.080	0.034	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Dichlorobromomethane	<0.030		0.080	0.030	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Bromoform	<0.039		0.080	0.039	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Bromomethane	<0.064		0.24	0.064	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Carbon tetrachloride	<0.031		0.080	0.031	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Chlorobenzene	<0.031		0.080	0.031	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Chloroethane	<0.040		0.080	0.040	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Chloroform	<0.030		0.16	0.030	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Chloromethane	<0.026		0.080	0.026	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
cis-1,2-Dichloroethene	<0.033		0.080	0.033	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
cis-1,3-Dichloropropene	<0.033		0.080	0.033	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Dibromochloromethane	<0.039		0.080	0.039	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Dibromomethane	<0.022		0.080	0.022	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Dichlorodifluoromethane	<0.054		0.24	0.054	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Ethylbenzene	<0.015		0.020	0.015	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Hexachlorobutadiene	<0.036		0.080	0.036	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Isopropyl ether	<0.022		0.080	0.022	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Isopropylbenzene	<0.031		0.080	0.031	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Methyl tert-butyl ether	<0.031		0.080	0.031	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Methylene Chloride	<0.13		0.40	0.13	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
Naphthalene	<0.027		0.080	0.027	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
n-Butylbenzene	<0.031		0.080	0.031	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
N-Propylbenzene	<0.033		0.080	0.033	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50
p-Isopropyltoluene	<0.029		0.080	0.029	mg/Kg	☆	03/22/23 11:10	03/30/23 15:04	50

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Client Sample Results

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-1R, 63' to 65'

Lab Sample ID: 500-231195-2

Date Collected: 03/22/23 11:10

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 91.6

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.032		0.080	0.032	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
Styrene	<0.031		0.080	0.031	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
tert-Butylbenzene	<0.032		0.080	0.032	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
Tetrachloroethene	<0.030		0.080	0.030	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
Toluene	<0.012		0.020	0.012	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
trans-1,2-Dichloroethene	<0.028		0.080	0.028	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
trans-1,3-Dichloropropene	<0.029		0.080	0.029	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
Trichloroethene	<0.013		0.040	0.013	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
Trichlorofluoromethane	<0.034		0.080	0.034	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
Vinyl chloride	<0.021		0.080	0.021	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50
Xylenes, Total	<0.018		0.040	0.018	mg/Kg	✳	03/22/23 11:10	03/30/23 15:04	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 126	03/22/23 11:10	03/30/23 15:04	50
4-Bromofluorobenzene (Surr)	116		72 - 124	03/22/23 11:10	03/30/23 15:04	50
Dibromofluoromethane (Surr)	88		75 - 120	03/22/23 11:10	03/30/23 15:04	50
Toluene-d8 (Surr)	108		75 - 120	03/22/23 11:10	03/30/23 15:04	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0065		0.036	0.0065	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Acenaphthylene	<0.0047		0.036	0.0047	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Anthracene	<0.0060		0.036	0.0060	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Benzo[a]anthracene	<0.0048		0.036	0.0048	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Benzo[a]pyrene	<0.0070		0.036	0.0070	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Benzo[b]fluoranthene	<0.0078		0.036	0.0078	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Benzo[g,h,i]perylene	<0.012		0.036	0.012	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Benzo[k]fluoranthene	<0.011		0.036	0.011	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Chrysene	<0.0098		0.036	0.0098	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Dibenz(a,h)anthracene	<0.0069		0.036	0.0069	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Fluoranthene	<0.0067		0.036	0.0067	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Fluorene	<0.0050		0.036	0.0050	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Indeno[1,2,3-cd]pyrene	<0.0093		0.036	0.0093	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Naphthalene	<0.0055		0.036	0.0055	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Phenanthrene	0.0056	J	0.036	0.0050	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
Pyrene	<0.0071		0.036	0.0071	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
1-Methylnaphthalene	<0.0088		0.072	0.0088	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1
2-Methylnaphthalene	<0.0066		0.072	0.0066	mg/Kg	✳	03/29/23 14:14	03/30/23 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	53		37 - 147	03/29/23 14:14	03/30/23 18:26	1
Terphenyl-d14 (Surr)	74		42 - 157	03/29/23 14:14	03/30/23 18:26	1
2-Fluorobiphenyl (Surr)	60		43 - 145	03/29/23 14:14	03/30/23 18:26	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0070		0.018	0.0070	mg/Kg	✳	03/29/23 08:05	03/29/23 19:47	1
PCB-1221	<0.0070		0.018	0.0070	mg/Kg	✳	03/29/23 08:05	03/29/23 19:47	1
PCB-1232	<0.0048		0.018	0.0048	mg/Kg	✳	03/29/23 08:05	03/29/23 19:47	1
PCB-1242	<0.0070		0.018	0.0070	mg/Kg	✳	03/29/23 08:05	03/29/23 19:47	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-1R, 63' to 65'

Lab Sample ID: 500-231195-2

Date Collected: 03/22/23 11:10

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 91.6

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0085		0.018	0.0085	mg/Kg	☼	03/29/23 08:05	03/29/23 19:47	1
PCB-1254	<0.0061		0.018	0.0061	mg/Kg	☼	03/29/23 08:05	03/29/23 19:47	1
PCB-1260	<0.0067		0.018	0.0067	mg/Kg	☼	03/29/23 08:05	03/29/23 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		49 - 129				03/29/23 08:05	03/29/23 19:47	1
DCB Decachlorobiphenyl	71		37 - 121				03/29/23 08:05	03/29/23 19:47	1

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.9		0.98	0.34	mg/Kg	☼	04/04/23 14:49	04/05/23 17:20	1
Barium	17		0.98	0.11	mg/Kg	☼	04/04/23 14:49	04/05/23 17:20	1
Cadmium	0.24		0.20	0.035	mg/Kg	☼	04/04/23 14:49	04/05/23 17:20	1
Chromium	6.9		0.98	0.49	mg/Kg	☼	04/04/23 14:49	04/05/23 17:20	1
Lead	7.6		0.49	0.23	mg/Kg	☼	04/04/23 14:49	04/05/23 17:20	1
Selenium	<0.58		0.98	0.58	mg/Kg	☼	04/04/23 14:49	04/05/23 17:20	1
Silver	<0.13		0.49	0.13	mg/Kg	☼	04/04/23 14:49	04/05/23 17:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0093		0.018	0.0093	mg/Kg	☼	04/03/23 18:45	04/04/23 09:46	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-7, 2' to 4'

Lab Sample ID: 500-231195-3

Date Collected: 03/22/23 13:00

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 85.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.038		0.083	0.038	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,1,1-Trichloroethane	<0.031		0.083	0.031	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,1,2,2-Tetrachloroethane	<0.033		0.083	0.033	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,1,2-Trichloroethane	<0.029		0.083	0.029	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,1-Dichloroethane	<0.034		0.083	0.034	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,1-Dichloroethene	<0.032		0.083	0.032	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,1-Dichloropropene	<0.025		0.083	0.025	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2,3-Trichlorobenzene	<0.038		0.083	0.038	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2,3-Trichloropropane	<0.034		0.17	0.034	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2,4-Trichlorobenzene	<0.028		0.083	0.028	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2,4-Trimethylbenzene	<0.030		0.083	0.030	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2-Dibromo-3-Chloropropane	<0.16		0.41	0.16	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2-Dibromoethane (EDB)	<0.032		0.083	0.032	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2-Dichlorobenzene	<0.028		0.083	0.028	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2-Dichloroethane	<0.032		0.083	0.032	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,2-Dichloropropane	<0.035		0.083	0.035	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,3,5-Trimethylbenzene	<0.031		0.083	0.031	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,3-Dichlorobenzene	<0.033		0.083	0.033	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,3-Dichloropropane	<0.030		0.083	0.030	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
1,4-Dichlorobenzene	<0.030		0.083	0.030	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
2,2-Dichloropropane	<0.037		0.083	0.037	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
2-Chlorotoluene	<0.026		0.083	0.026	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
4-Chlorotoluene	<0.029		0.083	0.029	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Benzene	<0.012		0.021	0.012	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Bromobenzene	<0.029	+	0.083	0.029	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Bromochloromethane	<0.035		0.083	0.035	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Dichlorobromomethane	<0.031		0.083	0.031	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Bromoform	<0.040		0.083	0.040	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Bromomethane	<0.066		0.25	0.066	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Carbon tetrachloride	<0.032		0.083	0.032	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Chlorobenzene	<0.032		0.083	0.032	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Chloroethane	<0.042		0.083	0.042	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Chloroform	<0.031		0.17	0.031	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Chloromethane	<0.026		0.083	0.026	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
cis-1,2-Dichloroethene	<0.034		0.083	0.034	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
cis-1,3-Dichloropropene	<0.034		0.083	0.034	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Dibromochloromethane	<0.040		0.083	0.040	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Dibromomethane	<0.022		0.083	0.022	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Dichlorodifluoromethane	<0.056		0.25	0.056	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Ethylbenzene	<0.015		0.021	0.015	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Hexachlorobutadiene	<0.037		0.083	0.037	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Isopropyl ether	<0.023		0.083	0.023	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Isopropylbenzene	<0.032		0.083	0.032	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Methyl tert-butyl ether	<0.033		0.083	0.033	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Methylene Chloride	<0.13		0.41	0.13	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
Naphthalene	<0.028		0.083	0.028	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
n-Butylbenzene	<0.032		0.083	0.032	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
N-Propylbenzene	<0.034		0.083	0.034	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50
p-Isopropyltoluene	<0.030		0.083	0.030	mg/Kg	✱	03/22/23 13:00	03/30/23 15:27	50

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Client Sample Results

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-7, 2' to 4'

Lab Sample ID: 500-231195-3

Date Collected: 03/22/23 13:00

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 85.9

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.033		0.083	0.033	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
Styrene	<0.032		0.083	0.032	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
tert-Butylbenzene	<0.033		0.083	0.033	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
Tetrachloroethene	<0.031		0.083	0.031	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
Toluene	<0.012		0.021	0.012	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
trans-1,2-Dichloroethene	<0.029		0.083	0.029	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
trans-1,3-Dichloropropene	<0.030		0.083	0.030	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
Trichloroethene	<0.014		0.041	0.014	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
Trichlorofluoromethane	<0.035		0.083	0.035	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
Vinyl chloride	<0.022		0.083	0.022	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50
Xylenes, Total	<0.018		0.041	0.018	mg/Kg	✳	03/22/23 13:00	03/30/23 15:27	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126	03/22/23 13:00	03/30/23 15:27	50
4-Bromofluorobenzene (Surr)	117		72 - 124	03/22/23 13:00	03/30/23 15:27	50
Dibromofluoromethane (Surr)	89		75 - 120	03/22/23 13:00	03/30/23 15:27	50
Toluene-d8 (Surr)	109		75 - 120	03/22/23 13:00	03/30/23 15:27	50

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0069		0.038	0.0069	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Acenaphthylene	<0.0050		0.038	0.0050	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Anthracene	<0.0064		0.038	0.0064	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Benzo[a]anthracene	0.033	J	0.038	0.0051	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Benzo[a]pyrene	0.036	J	0.038	0.0074	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Benzo[b]fluoranthene	0.044		0.038	0.0083	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Benzo[g,h,i]perylene	0.020	J	0.038	0.012	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Benzo[k]fluoranthene	0.014	J	0.038	0.011	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Chrysene	0.039		0.038	0.010	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Dibenz(a,h)anthracene	<0.0074		0.038	0.0074	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Fluoranthene	0.061		0.038	0.0071	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Fluorene	<0.0054		0.038	0.0054	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Indeno[1,2,3-cd]pyrene	0.021	J	0.038	0.0099	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Naphthalene	0.0071	J	0.038	0.0059	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Phenanthrene	0.069		0.038	0.0053	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
Pyrene	0.083		0.038	0.0076	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
1-Methylnaphthalene	<0.0093		0.077	0.0093	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1
2-Methylnaphthalene	<0.0070		0.077	0.0070	mg/Kg	✳	03/29/23 14:14	03/30/23 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	54		37 - 147	03/29/23 14:14	03/30/23 18:46	1
Terphenyl-d14 (Surr)	80		42 - 157	03/29/23 14:14	03/30/23 18:46	1
2-Fluorobiphenyl (Surr)	59		43 - 145	03/29/23 14:14	03/30/23 18:46	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0076		0.019	0.0076	mg/Kg	✳	03/29/23 08:05	03/29/23 20:02	1
PCB-1221	<0.0076		0.019	0.0076	mg/Kg	✳	03/29/23 08:05	03/29/23 20:02	1
PCB-1232	<0.0052		0.019	0.0052	mg/Kg	✳	03/29/23 08:05	03/29/23 20:02	1
PCB-1242	<0.0075		0.019	0.0075	mg/Kg	✳	03/29/23 08:05	03/29/23 20:02	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-7, 2' to 4'

Lab Sample ID: 500-231195-3

Date Collected: 03/22/23 13:00

Matrix: Soil

Date Received: 03/24/23 09:50

Percent Solids: 85.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.0092		0.019	0.0092	mg/Kg	☼	03/29/23 08:05	03/29/23 20:02	1
PCB-1254	<0.0066		0.019	0.0066	mg/Kg	☼	03/29/23 08:05	03/29/23 20:02	1
PCB-1260	<0.0073		0.019	0.0073	mg/Kg	☼	03/29/23 08:05	03/29/23 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		49 - 129				03/29/23 08:05	03/29/23 20:02	1
DCB Decachlorobiphenyl	78		37 - 121				03/29/23 08:05	03/29/23 20:02	1

Method: SW846 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		1.0	0.36	mg/Kg	☼	04/04/23 14:49	04/05/23 17:30	1
Barium	47		1.0	0.12	mg/Kg	☼	04/04/23 14:49	04/05/23 17:30	1
Cadmium	0.43		0.21	0.038	mg/Kg	☼	04/04/23 14:49	04/05/23 17:30	1
Chromium	14		1.0	0.52	mg/Kg	☼	04/04/23 14:49	04/05/23 17:30	1
Lead	18		0.52	0.24	mg/Kg	☼	04/04/23 14:49	04/05/23 17:30	1
Selenium	<0.61		1.0	0.61	mg/Kg	☼	04/04/23 14:49	04/05/23 17:30	1
Silver	0.28	J	0.52	0.13	mg/Kg	☼	04/04/23 14:49	04/05/23 17:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.018	0.0096	mg/Kg	☼	04/03/23 18:45	04/04/23 09:48	1

Definitions/Glossary

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance 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.

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.
α	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
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

GC/MS VOA

Prep Batch: 704214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	5035	
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	5035	
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	5035	
LB3 500-704214/17-A	Method Blank	Total/NA	Solid	5035	
LCS 500-704214/18-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 704955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	8260B	704214
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	8260B	704214
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	8260B	704214
LB3 500-704214/17-A	Method Blank	Total/NA	Solid	8260B	704214
MB 500-704955/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-704214/18-A	Lab Control Sample	Total/NA	Solid	8260B	704214
LCS 500-704955/5	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 704849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	3546	
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	3546	
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	3546	
MB 500-704849/1-A	Method Blank	Total/NA	Solid	3546	
LCS 500-704849/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 705063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	8270E	704849
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	8270E	704849

Analysis Batch: 707331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	8270E	704849

Analysis Batch: 707567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-704849/1-A	Method Blank	Total/NA	Solid	8270E	704849
LCS 500-704849/2-A	Lab Control Sample	Total/NA	Solid	8270E	704849

GC Semi VOA

Prep Batch: 704745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	3541	
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	3541	
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	3541	
MB 500-704745/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-704745/3-A	Lab Control Sample	Total/NA	Solid	3541	

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QC Association Summary

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

GC Semi VOA

Analysis Batch: 704847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	8082A	704745
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	8082A	704745
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	8082A	704745
MB 500-704745/1-A	Method Blank	Total/NA	Solid	8082A	704745
LCS 500-704745/3-A	Lab Control Sample	Total/NA	Solid	8082A	704745

Metals

Prep Batch: 705616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	7471B	
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	7471B	
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	7471B	
MB 500-705616/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-705616/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 705821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	7471B	705616
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	7471B	705616
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	7471B	705616
MB 500-705616/12-A	Method Blank	Total/NA	Solid	7471B	705616
LCS 500-705616/13-A	Lab Control Sample	Total/NA	Solid	7471B	705616

Prep Batch: 705829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	3050B	
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	3050B	
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	3050B	
MB 500-705829/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-705829/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 706313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	6010B	705829
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	6010B	705829
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	6010B	705829
MB 500-705829/1-A	Method Blank	Total/NA	Solid	6010B	705829
LCS 500-705829/2-A	Lab Control Sample	Total/NA	Solid	6010B	705829

General Chemistry

Analysis Batch: 704186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-231195-1	EB-MW-1R, 28' to 30'	Total/NA	Soil	Moisture	
500-231195-2	EB-MW-1R, 63' to 65'	Total/NA	Soil	Moisture	
500-231195-3	EB-MW-7, 2' to 4'	Total/NA	Soil	Moisture	

Surrogate Summary

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-231195-1	EB-MW-1R, 28' to 30'	113	116	89	109
500-231195-2	EB-MW-1R, 63' to 65'	112	116	88	108
500-231195-3	EB-MW-7, 2' to 4'	113	117	89	109

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: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
LB3 500-704214/17-A	Method Blank	111	118	91	108
LCS 500-704214/18-A	Lab Control Sample	113	120	93	109
LCS 500-704955/5	Lab Control Sample	110	116	95	109
MB 500-704955/7	Method Blank	112	119	88	110

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (37-147)	TPHL (42-157)	FBP (43-145)
500-231195-1	EB-MW-1R, 28' to 30'	69	73	77
500-231195-2	EB-MW-1R, 63' to 65'	53	74	60
500-231195-3	EB-MW-7, 2' to 4'	54	80	59

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		NBZ (37-147)	TPHL (42-157)	FBP (43-145)
LCS 500-704849/2-A	Lab Control Sample	90	99	92
MB 500-704849/1-A	Method Blank	70	81	70

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

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Surrogate Summary

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Soil

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (49-129)	DCBP1 (37-121)
500-231195-1	EB-MW-1R, 28' to 30'	85	90
500-231195-2	EB-MW-1R, 63' to 65'	70	71
500-231195-3	EB-MW-7, 2' to 4'	81	78

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)

Lab Sample ID	Client Sample ID	TCX1 (49-129)	DCBP1 (37-121)
LCS 500-704745/3-A	Lab Control Sample	100	108
MB 500-704745/1-A	Method Blank	91	97

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-704214/17-A
Matrix: Solid
Analysis Batch: 704955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704214

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.023		0.050	0.023	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,1,1-Trichloroethane	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,1,2,2-Tetrachloroethane	<0.020		0.050	0.020	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,1,2-Trichloroethane	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,1-Dichloroethane	<0.021		0.050	0.021	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,1-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,1-Dichloropropene	<0.015		0.050	0.015	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2,3-Trichlorobenzene	<0.023		0.050	0.023	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2,3-Trichloropropane	<0.021		0.10	0.021	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2,4-Trichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2,4-Trimethylbenzene	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2-Dibromo-3-Chloropropane	<0.10		0.25	0.10	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2-Dibromoethane (EDB)	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2-Dichlorobenzene	<0.017		0.050	0.017	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2-Dichloroethane	<0.020		0.050	0.020	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,2-Dichloropropane	<0.021		0.050	0.021	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,3,5-Trimethylbenzene	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,3-Dichlorobenzene	<0.020		0.050	0.020	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,3-Dichloropropane	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
1,4-Dichlorobenzene	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
2,2-Dichloropropane	<0.022		0.050	0.022	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
2-Chlorotoluene	<0.016		0.050	0.016	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
4-Chlorotoluene	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Benzene	<0.0073		0.013	0.0073	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Bromobenzene	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Bromochloromethane	<0.021		0.050	0.021	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Dichlorobromomethane	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Bromoform	<0.024		0.050	0.024	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Bromomethane	<0.040		0.15	0.040	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Carbon tetrachloride	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Chlorobenzene	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Chloroethane	<0.025		0.050	0.025	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Chloroform	<0.019		0.10	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Chloromethane	<0.016		0.050	0.016	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
cis-1,2-Dichloroethene	<0.020		0.050	0.020	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
cis-1,3-Dichloropropene	<0.021		0.050	0.021	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Dibromochloromethane	<0.024		0.050	0.024	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Dibromomethane	<0.014		0.050	0.014	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Dichlorodifluoromethane	<0.034		0.15	0.034	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Ethylbenzene	<0.0092		0.013	0.0092	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Hexachlorobutadiene	<0.022		0.050	0.022	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Isopropyl ether	<0.014		0.050	0.014	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Isopropylbenzene	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Methyl tert-butyl ether	<0.020		0.050	0.020	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Methylene Chloride	<0.082		0.25	0.082	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Naphthalene	<0.017		0.050	0.017	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
n-Butylbenzene	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
N-Propylbenzene	<0.021		0.050	0.021	mg/Kg		03/25/23 03:10	03/30/23 12:47	50

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QC Sample Results

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-704214/17-A
Matrix: Solid
Analysis Batch: 704955

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704214

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
sec-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Styrene	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
tert-Butylbenzene	<0.020		0.050	0.020	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Tetrachloroethene	<0.019		0.050	0.019	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Toluene	<0.0074		0.013	0.0074	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
trans-1,2-Dichloroethene	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
trans-1,3-Dichloropropene	<0.018		0.050	0.018	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Trichloroethene	<0.0082		0.025	0.0082	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Trichlorofluoromethane	<0.021		0.050	0.021	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Vinyl chloride	<0.013		0.050	0.013	mg/Kg		03/25/23 03:10	03/30/23 12:47	50
Xylenes, Total	<0.011		0.025	0.011	mg/Kg		03/25/23 03:10	03/30/23 12:47	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	111		75 - 126	03/25/23 03:10	03/30/23 12:47	50
4-Bromofluorobenzene (Surr)	118		72 - 124	03/25/23 03:10	03/30/23 12:47	50
Dibromofluoromethane (Surr)	91		75 - 120	03/25/23 03:10	03/30/23 12:47	50
Toluene-d8 (Surr)	108		75 - 120	03/25/23 03:10	03/30/23 12:47	50

Lab Sample ID: LCS 500-704214/18-A
Matrix: Solid
Analysis Batch: 704955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	2.50	2.71		mg/Kg		108	70 - 125
1,1,1,2,2-Tetrachloroethane	2.50	3.05		mg/Kg		122	62 - 140
1,1,1,2-Trichloroethane	2.50	2.97		mg/Kg		119	71 - 130
1,1-Dichloroethane	2.50	2.80		mg/Kg		112	70 - 125
1,1-Dichloroethene	2.50	2.41		mg/Kg		97	67 - 122
1,1-Dichloropropene	2.50	2.98		mg/Kg		119	70 - 121
1,2,3-Trichlorobenzene	2.50	2.51		mg/Kg		100	51 - 145
1,2,3-Trichloropropane	2.50	3.15		mg/Kg		126	50 - 133
1,2,4-Trichlorobenzene	2.50	2.57		mg/Kg		103	57 - 137
1,2,4-Trimethylbenzene	2.50	2.85		mg/Kg		114	70 - 123
1,2-Dibromo-3-Chloropropane	2.50	2.74		mg/Kg		109	56 - 123
1,2-Dibromoethane (EDB)	2.50	3.01		mg/Kg		120	70 - 125
1,2-Dichlorobenzene	2.50	2.77		mg/Kg		111	70 - 125
1,2-Dichloroethane	2.50	3.18		mg/Kg		127	68 - 127
1,2-Dichloropropane	2.50	2.96		mg/Kg		118	67 - 130
1,3,5-Trimethylbenzene	2.50	2.85		mg/Kg		114	70 - 123
1,3-Dichlorobenzene	2.50	2.84		mg/Kg		114	70 - 125
1,3-Dichloropropane	2.50	3.27		mg/Kg		131	62 - 136
1,4-Dichlorobenzene	2.50	2.80		mg/Kg		112	70 - 120
2,2-Dichloropropane	2.50	2.50		mg/Kg		100	58 - 139
2-Chlorotoluene	2.50	3.05		mg/Kg		122	70 - 125
4-Chlorotoluene	2.50	3.10		mg/Kg		124	68 - 124
Benzene	2.50	2.88		mg/Kg		115	70 - 120

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QC Sample Results

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-704214/18-A
Matrix: Solid
Analysis Batch: 704955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromobenzene	2.50	3.10	*+	mg/Kg		124	70 - 122
Bromochloromethane	2.50	2.48		mg/Kg		99	65 - 122
Dichlorobromomethane	2.50	2.82		mg/Kg		113	69 - 120
Bromoform	2.50	2.51		mg/Kg		100	56 - 132
Bromomethane	2.50	1.85		mg/Kg		74	40 - 152
Carbon tetrachloride	2.50	2.56		mg/Kg		102	59 - 133
Chlorobenzene	2.50	2.83		mg/Kg		113	70 - 120
Chloroethane	2.50	2.76		mg/Kg		110	48 - 136
Chloroform	2.50	2.70		mg/Kg		108	70 - 120
Chloromethane	2.50	2.22		mg/Kg		89	56 - 152
cis-1,2-Dichloroethene	2.50	2.74		mg/Kg		110	70 - 125
cis-1,3-Dichloropropene	2.50	3.07		mg/Kg		123	64 - 127
Dibromochloromethane	2.50	2.53		mg/Kg		101	68 - 125
Dibromomethane	2.50	2.83		mg/Kg		113	70 - 120
Dichlorodifluoromethane	2.50	1.46		mg/Kg		58	40 - 159
Ethylbenzene	2.50	2.76		mg/Kg		110	70 - 123
Hexachlorobutadiene	2.50	3.07		mg/Kg		123	51 - 150
Isopropylbenzene	2.50	2.87		mg/Kg		115	70 - 126
Methyl tert-butyl ether	2.50	2.76		mg/Kg		110	55 - 123
Methylene Chloride	2.50	2.58		mg/Kg		103	69 - 125
Naphthalene	2.50	2.19		mg/Kg		87	53 - 144
n-Butylbenzene	2.50	2.72		mg/Kg		109	68 - 125
N-Propylbenzene	2.50	2.99		mg/Kg		120	69 - 127
p-Isopropyltoluene	2.50	2.63		mg/Kg		105	70 - 125
sec-Butylbenzene	2.50	2.77		mg/Kg		111	70 - 123
Styrene	2.50	2.88		mg/Kg		115	70 - 120
tert-Butylbenzene	2.50	2.78		mg/Kg		111	70 - 121
Tetrachloroethene	2.50	2.97		mg/Kg		119	70 - 128
Toluene	2.50	2.87		mg/Kg		115	70 - 125
trans-1,2-Dichloroethene	2.50	2.59		mg/Kg		104	70 - 125
trans-1,3-Dichloropropene	2.50	3.17		mg/Kg		127	62 - 128
Trichloroethene	2.50	2.63		mg/Kg		105	70 - 125
Trichlorofluoromethane	2.50	2.30		mg/Kg		92	55 - 128
Vinyl chloride	2.50	2.45		mg/Kg		98	64 - 126
Xylenes, Total	5.00	5.86		mg/Kg		117	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		75 - 126
4-Bromofluorobenzene (Surr)	120		72 - 124
Dibromofluoromethane (Surr)	93		75 - 120
Toluene-d8 (Surr)	109		75 - 120

Lab Sample ID: MB 500-704955/7
Matrix: Solid
Analysis Batch: 704955

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			03/30/23 12:24	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-704955/7
Matrix: Solid
Analysis Batch: 704955

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			03/30/23 12:24	1
1,1,1,2,2-Tetrachloroethane	<0.00040		0.0010	0.00040	mg/Kg			03/30/23 12:24	1
1,1,2-Trichloroethane	<0.00035		0.0010	0.00035	mg/Kg			03/30/23 12:24	1
1,1-Dichloroethane	<0.00041		0.0010	0.00041	mg/Kg			03/30/23 12:24	1
1,1-Dichloroethene	<0.00039		0.0010	0.00039	mg/Kg			03/30/23 12:24	1
1,1-Dichloropropene	<0.00030		0.0010	0.00030	mg/Kg			03/30/23 12:24	1
1,2,3-Trichlorobenzene	<0.00046		0.0010	0.00046	mg/Kg			03/30/23 12:24	1
1,2,3-Trichloropropane	<0.00041		0.0020	0.00041	mg/Kg			03/30/23 12:24	1
1,2,4-Trichlorobenzene	<0.00034		0.0010	0.00034	mg/Kg			03/30/23 12:24	1
1,2,4-Trimethylbenzene	<0.00036		0.0010	0.00036	mg/Kg			03/30/23 12:24	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.0050	0.0020	mg/Kg			03/30/23 12:24	1
1,2-Dibromoethane (EDB)	<0.00039		0.0010	0.00039	mg/Kg			03/30/23 12:24	1
1,2-Dichlorobenzene	<0.00033		0.0010	0.00033	mg/Kg			03/30/23 12:24	1
1,2-Dichloroethane	<0.00039		0.0010	0.00039	mg/Kg			03/30/23 12:24	1
1,2-Dichloropropane	<0.00043		0.0010	0.00043	mg/Kg			03/30/23 12:24	1
1,3,5-Trimethylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/30/23 12:24	1
1,3-Dichlorobenzene	<0.00040		0.0010	0.00040	mg/Kg			03/30/23 12:24	1
1,3-Dichloropropane	<0.00036		0.0010	0.00036	mg/Kg			03/30/23 12:24	1
1,4-Dichlorobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/30/23 12:24	1
2,2-Dichloropropane	<0.00044		0.0010	0.00044	mg/Kg			03/30/23 12:24	1
2-Chlorotoluene	<0.00031		0.0010	0.00031	mg/Kg			03/30/23 12:24	1
4-Chlorotoluene	<0.00035		0.0010	0.00035	mg/Kg			03/30/23 12:24	1
Benzene	<0.00015		0.00025	0.00015	mg/Kg			03/30/23 12:24	1
Bromobenzene	<0.00036		0.0010	0.00036	mg/Kg			03/30/23 12:24	1
Bromochloromethane	<0.00043		0.0010	0.00043	mg/Kg			03/30/23 12:24	1
Dichlorobromomethane	<0.00037		0.0010	0.00037	mg/Kg			03/30/23 12:24	1
Bromoform	<0.00048		0.0010	0.00048	mg/Kg			03/30/23 12:24	1
Bromomethane	<0.00080		0.0030	0.00080	mg/Kg			03/30/23 12:24	1
Carbon tetrachloride	<0.00038		0.0010	0.00038	mg/Kg			03/30/23 12:24	1
Chlorobenzene	<0.00039		0.0010	0.00039	mg/Kg			03/30/23 12:24	1
Chloroethane	<0.00050		0.0010	0.00050	mg/Kg			03/30/23 12:24	1
Chloroform	<0.00037		0.0020	0.00037	mg/Kg			03/30/23 12:24	1
Chloromethane	<0.00032		0.0010	0.00032	mg/Kg			03/30/23 12:24	1
cis-1,2-Dichloroethene	<0.00041		0.0010	0.00041	mg/Kg			03/30/23 12:24	1
cis-1,3-Dichloropropene	<0.00042		0.0010	0.00042	mg/Kg			03/30/23 12:24	1
Dibromochloromethane	<0.00049		0.0010	0.00049	mg/Kg			03/30/23 12:24	1
Dibromomethane	<0.00027		0.0010	0.00027	mg/Kg			03/30/23 12:24	1
Dichlorodifluoromethane	<0.00067		0.0030	0.00067	mg/Kg			03/30/23 12:24	1
Ethylbenzene	<0.00018		0.00025	0.00018	mg/Kg			03/30/23 12:24	1
Hexachlorobutadiene	<0.00045		0.0010	0.00045	mg/Kg			03/30/23 12:24	1
Isopropyl ether	<0.00028		0.0010	0.00028	mg/Kg			03/30/23 12:24	1
Isopropylbenzene	<0.00038		0.0010	0.00038	mg/Kg			03/30/23 12:24	1
Methyl tert-butyl ether	<0.00039		0.0010	0.00039	mg/Kg			03/30/23 12:24	1
Methylene Chloride	<0.0016		0.0050	0.0016	mg/Kg			03/30/23 12:24	1
Naphthalene	<0.00033		0.0010	0.00033	mg/Kg			03/30/23 12:24	1
n-Butylbenzene	<0.00039		0.0010	0.00039	mg/Kg			03/30/23 12:24	1
N-Propylbenzene	<0.00041		0.0010	0.00041	mg/Kg			03/30/23 12:24	1
p-Isopropyltoluene	<0.00036		0.0010	0.00036	mg/Kg			03/30/23 12:24	1
sec-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/30/23 12:24	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-704955/7
Matrix: Solid
Analysis Batch: 704955

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			03/30/23 12:24	1
tert-Butylbenzene	<0.00040		0.0010	0.00040	mg/Kg			03/30/23 12:24	1
Tetrachloroethene	<0.00037		0.0010	0.00037	mg/Kg			03/30/23 12:24	1
Toluene	<0.00015		0.00025	0.00015	mg/Kg			03/30/23 12:24	1
trans-1,2-Dichloroethene	<0.00035		0.0010	0.00035	mg/Kg			03/30/23 12:24	1
trans-1,3-Dichloropropene	<0.00036		0.0010	0.00036	mg/Kg			03/30/23 12:24	1
Trichloroethene	<0.00016		0.00050	0.00016	mg/Kg			03/30/23 12:24	1
Trichlorofluoromethane	<0.00043		0.0010	0.00043	mg/Kg			03/30/23 12:24	1
Vinyl chloride	<0.00026		0.0010	0.00026	mg/Kg			03/30/23 12:24	1
Xylenes, Total	<0.00022		0.00050	0.00022	mg/Kg			03/30/23 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		03/30/23 12:24	1
4-Bromofluorobenzene (Surr)	119		72 - 124		03/30/23 12:24	1
Dibromofluoromethane (Surr)	88		75 - 120		03/30/23 12:24	1
Toluene-d8 (Surr)	110		75 - 120		03/30/23 12:24	1

Lab Sample ID: LCS 500-704955/5
Matrix: Solid
Analysis Batch: 704955

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	0.0424		mg/Kg		85	70 - 125
1,1,1-Trichloroethane	0.0500	0.0445		mg/Kg		89	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0447		mg/Kg		89	62 - 140
1,1,2-Trichloroethane	0.0500	0.0469		mg/Kg		94	71 - 130
1,1-Dichloroethane	0.0500	0.0457		mg/Kg		91	70 - 125
1,1-Dichloroethene	0.0500	0.0424		mg/Kg		85	67 - 122
1,1-Dichloropropene	0.0500	0.0496		mg/Kg		99	70 - 121
1,2,3-Trichlorobenzene	0.0500	0.0435		mg/Kg		87	51 - 145
1,2,3-Trichloropropane	0.0500	0.0468		mg/Kg		94	50 - 133
1,2,4-Trichlorobenzene	0.0500	0.0460		mg/Kg		92	57 - 137
1,2,4-Trimethylbenzene	0.0500	0.0450		mg/Kg		90	70 - 123
1,2-Dibromo-3-Chloropropane	0.0500	0.0419		mg/Kg		84	56 - 123
1,2-Dibromoethane (EDB)	0.0500	0.0477		mg/Kg		95	70 - 125
1,2-Dichlorobenzene	0.0500	0.0438		mg/Kg		88	70 - 125
1,2-Dichloroethane	0.0500	0.0496		mg/Kg		99	68 - 127
1,2-Dichloropropane	0.0500	0.0457		mg/Kg		91	67 - 130
1,3,5-Trimethylbenzene	0.0500	0.0452		mg/Kg		90	70 - 123
1,3-Dichlorobenzene	0.0500	0.0456		mg/Kg		91	70 - 125
1,3-Dichloropropane	0.0500	0.0504		mg/Kg		101	62 - 136
1,4-Dichlorobenzene	0.0500	0.0450		mg/Kg		90	70 - 120
2,2-Dichloropropane	0.0500	0.0408		mg/Kg		82	58 - 139
2-Chlorotoluene	0.0500	0.0473		mg/Kg		95	70 - 125
4-Chlorotoluene	0.0500	0.0485		mg/Kg		97	68 - 124
Benzene	0.0500	0.0469		mg/Kg		94	70 - 120
Bromobenzene	0.0500	0.0477		mg/Kg		95	70 - 122
Bromochloromethane	0.0500	0.0411		mg/Kg		82	65 - 122

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-704955/5
Matrix: Solid
Analysis Batch: 704955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	0.0500	0.0434		mg/Kg		87	69 - 120
Bromoform	0.0500	0.0404		mg/Kg		81	56 - 132
Bromomethane	0.0500	0.0409		mg/Kg		82	40 - 152
Carbon tetrachloride	0.0500	0.0422		mg/Kg		84	59 - 133
Chlorobenzene	0.0500	0.0453		mg/Kg		91	70 - 120
Chloroethane	0.0500	0.0510		mg/Kg		102	48 - 136
Chloroform	0.0500	0.0440		mg/Kg		88	70 - 120
Chloromethane	0.0500	0.0510		mg/Kg		102	56 - 152
cis-1,2-Dichloroethene	0.0500	0.0448		mg/Kg		90	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0489		mg/Kg		98	64 - 127
Dibromochloromethane	0.0500	0.0398		mg/Kg		80	68 - 125
Dibromomethane	0.0500	0.0437		mg/Kg		87	70 - 120
Dichlorodifluoromethane	0.0500	0.0523		mg/Kg		105	40 - 159
Ethylbenzene	0.0500	0.0441		mg/Kg		88	70 - 123
Hexachlorobutadiene	0.0500	0.0537		mg/Kg		107	51 - 150
Isopropylbenzene	0.0500	0.0451		mg/Kg		90	70 - 126
Methyl tert-butyl ether	0.0500	0.0420		mg/Kg		84	55 - 123
Methylene Chloride	0.0500	0.0428		mg/Kg		86	69 - 125
Naphthalene	0.0500	0.0354		mg/Kg		71	53 - 144
n-Butylbenzene	0.0500	0.0461		mg/Kg		92	68 - 125
N-Propylbenzene	0.0500	0.0475		mg/Kg		95	69 - 127
p-Isopropyltoluene	0.0500	0.0433		mg/Kg		87	70 - 125
sec-Butylbenzene	0.0500	0.0442		mg/Kg		88	70 - 123
Styrene	0.0500	0.0459		mg/Kg		92	70 - 120
tert-Butylbenzene	0.0500	0.0437		mg/Kg		87	70 - 121
Tetrachloroethene	0.0500	0.0489		mg/Kg		98	70 - 128
Toluene	0.0500	0.0457		mg/Kg		91	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0420		mg/Kg		84	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0498		mg/Kg		100	62 - 128
Trichloroethene	0.0500	0.0425		mg/Kg		85	70 - 125
Trichlorofluoromethane	0.0500	0.0430		mg/Kg		86	55 - 128
Vinyl chloride	0.0500	0.0487		mg/Kg		97	64 - 126
Xylenes, Total	0.100	0.0953		mg/Kg		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		75 - 126
4-Bromofluorobenzene (Surr)	116		72 - 124
Dibromofluoromethane (Surr)	95		75 - 120
Toluene-d8 (Surr)	109		75 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-704849/1-A
Matrix: Solid
Analysis Batch: 707567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0060		0.033	0.0060	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Acenaphthylene	<0.0044		0.033	0.0044	mg/Kg		03/29/23 14:14	04/13/23 10:07	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-704849/1-A
Matrix: Solid
Analysis Batch: 707567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704849

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Anthracene	<0.0056		0.033	0.0056	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Benzo[a]anthracene	<0.0045		0.033	0.0045	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Benzo[a]pyrene	<0.0064		0.033	0.0064	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Benzo[b]fluoranthene	<0.0072		0.033	0.0072	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Benzo[g,h,i]perylene	<0.011		0.033	0.011	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Benzo[k]fluoranthene	<0.0098		0.033	0.0098	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Chrysene	<0.0091		0.033	0.0091	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Dibenz(a,h)anthracene	<0.0064		0.033	0.0064	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Fluoranthene	<0.0062		0.033	0.0062	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Fluorene	<0.0047		0.033	0.0047	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Indeno[1,2,3-cd]pyrene	<0.0086		0.033	0.0086	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Naphthalene	<0.0051		0.033	0.0051	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Phenanthrene	<0.0046		0.033	0.0046	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
Pyrene	<0.0066		0.033	0.0066	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
1-Methylnaphthalene	<0.0081		0.067	0.0081	mg/Kg		03/29/23 14:14	04/13/23 10:07	1
2-Methylnaphthalene	<0.0061		0.067	0.0061	mg/Kg		03/29/23 14:14	04/13/23 10:07	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	70		37 - 147	03/29/23 14:14	04/13/23 10:07	1
Terphenyl-d14 (Surr)	81		42 - 157	03/29/23 14:14	04/13/23 10:07	1
2-Fluorobiphenyl (Surr)	70		43 - 145	03/29/23 14:14	04/13/23 10:07	1

Lab Sample ID: LCS 500-704849/2-A
Matrix: Solid
Analysis Batch: 707567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704849

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Acenaphthene	3.33	3.12		mg/Kg		94	65 - 124
Acenaphthylene	3.33	3.41		mg/Kg		102	68 - 120
Anthracene	3.33	3.33		mg/Kg		100	70 - 114
Benzo[a]anthracene	3.33	3.19		mg/Kg		96	67 - 122
Benzo[a]pyrene	3.33	3.01		mg/Kg		90	65 - 133
Benzo[b]fluoranthene	3.33	3.06		mg/Kg		92	69 - 129
Benzo[g,h,i]perylene	3.33	3.23		mg/Kg		97	72 - 131
Benzo[k]fluoranthene	3.33	3.47		mg/Kg		104	68 - 127
Chrysene	3.33	3.08		mg/Kg		93	63 - 120
Dibenz(a,h)anthracene	3.33	2.89		mg/Kg		87	64 - 131
Fluoranthene	3.33	3.34		mg/Kg		100	62 - 120
Fluorene	3.33	3.24		mg/Kg		97	62 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.22		mg/Kg		97	68 - 130
Naphthalene	3.33	3.07		mg/Kg		92	63 - 110
Phenanthrene	3.33	3.19		mg/Kg		96	62 - 120
Pyrene	3.33	3.41		mg/Kg		102	61 - 128
1-Methylnaphthalene	3.33	3.16		mg/Kg		95	68 - 111
2-Methylnaphthalene	3.33	3.23		mg/Kg		97	69 - 112

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	90		37 - 147

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-704849/2-A
Matrix: Solid
Analysis Batch: 707567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704849

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	99		42 - 157
2-Fluorobiphenyl (Surr)	92		43 - 145

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-704745/1-A
Matrix: Solid
Analysis Batch: 704847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704745

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0066		0.017	0.0066	mg/Kg		03/29/23 08:05	03/29/23 15:47	1
PCB-1221	<0.0066		0.017	0.0066	mg/Kg		03/29/23 08:05	03/29/23 15:47	1
PCB-1232	<0.0045		0.017	0.0045	mg/Kg		03/29/23 08:05	03/29/23 15:47	1
PCB-1242	<0.0065		0.017	0.0065	mg/Kg		03/29/23 08:05	03/29/23 15:47	1
PCB-1248	<0.0079		0.017	0.0079	mg/Kg		03/29/23 08:05	03/29/23 15:47	1
PCB-1254	<0.0057		0.017	0.0057	mg/Kg		03/29/23 08:05	03/29/23 15:47	1
PCB-1260	<0.0063		0.017	0.0063	mg/Kg		03/29/23 08:05	03/29/23 15:47	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	91		49 - 129	03/29/23 08:05	03/29/23 15:47	1
DCB Decachlorobiphenyl	97		37 - 121	03/29/23 08:05	03/29/23 15:47	1

Lab Sample ID: LCS 500-704745/3-A
Matrix: Solid
Analysis Batch: 704847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704745

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	0.167	0.149		mg/Kg		89	57 - 120
PCB-1260	0.167	0.165		mg/Kg		99	61 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	100		49 - 129
DCB Decachlorobiphenyl	108		37 - 121

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-705829/1-A
Matrix: Solid
Analysis Batch: 706313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705829

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.34		1.0	0.34	mg/Kg		04/04/23 14:49	04/05/23 16:36	1
Barium	<0.11		1.0	0.11	mg/Kg		04/04/23 14:49	04/05/23 16:36	1
Cadmium	<0.036		0.20	0.036	mg/Kg		04/04/23 14:49	04/05/23 16:36	1
Chromium	<0.50		1.0	0.50	mg/Kg		04/04/23 14:49	04/05/23 16:36	1
Lead	<0.23		0.50	0.23	mg/Kg		04/04/23 14:49	04/05/23 16:36	1
Selenium	<0.59		1.0	0.59	mg/Kg		04/04/23 14:49	04/05/23 16:36	1
Silver	<0.13		0.50	0.13	mg/Kg		04/04/23 14:49	04/05/23 16:36	1

Eurofins Chicago

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-705829/2-A
Matrix: Solid
Analysis Batch: 706313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	10.0	9.23		mg/Kg		92	80 - 120
Barium	200	190		mg/Kg		95	80 - 120
Cadmium	5.00	4.79		mg/Kg		96	80 - 120
Chromium	20.0	19.0		mg/Kg		95	80 - 120
Lead	10.0	9.14		mg/Kg		91	80 - 120
Selenium	10.0	8.27		mg/Kg		83	80 - 120
Silver	5.00	4.50		mg/Kg		90	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-705616/12-A
Matrix: Solid
Analysis Batch: 705821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0088		0.017	0.0088	mg/Kg		04/03/23 18:45	04/04/23 09:19	1

Lab Sample ID: LCS 500-705616/13-A
Matrix: Solid
Analysis Batch: 705821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.165	0.155		mg/Kg		94	80 - 120

Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-1R, 28' to 30'
Date Collected: 03/21/23 14:30
Date Received: 03/24/23 09:50

Lab Sample ID: 500-231195-1
Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	704186	LWN	EET CHI	03/24/23 15:15

Client Sample ID: EB-MW-1R, 28' to 30'
Date Collected: 03/21/23 14:30
Date Received: 03/24/23 09:50

Lab Sample ID: 500-231195-1
Matrix: Soil
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704214	WRE	EET CHI	03/22/23 14:30
Total/NA	Analysis	8260B		50	704955	W1T	EET CHI	03/30/23 14:42
Total/NA	Prep	3546			704849	GM	EET CHI	03/29/23 14:14
Total/NA	Analysis	8270E		2	707331	JSB	EET CHI	04/12/23 13:00
Total/NA	Prep	3541			704745	GM	EET CHI	03/29/23 08:05 - 03/29/23 12:20 ¹
Total/NA	Analysis	8082A		1	704847	SS	EET CHI	03/29/23 19:32
Total/NA	Prep	3050B			705829	RN	EET CHI	04/04/23 14:49 - 04/04/23 15:19 ¹
Total/NA	Analysis	6010B		1	706313	CMS	EET CHI	04/05/23 17:17
Total/NA	Prep	7471B			705616	MJG	EET CHI	04/03/23 18:45
Total/NA	Analysis	7471B		1	705821	MJG	EET CHI	04/04/23 09:41

Client Sample ID: EB-MW-1R, 63' to 65'
Date Collected: 03/22/23 11:10
Date Received: 03/24/23 09:50

Lab Sample ID: 500-231195-2
Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	704186	LWN	EET CHI	03/24/23 15:15

Client Sample ID: EB-MW-1R, 63' to 65'
Date Collected: 03/22/23 11:10
Date Received: 03/24/23 09:50

Lab Sample ID: 500-231195-2
Matrix: Soil
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704214	WRE	EET CHI	03/22/23 11:10
Total/NA	Analysis	8260B		50	704955	W1T	EET CHI	03/30/23 15:04
Total/NA	Prep	3546			704849	GM	EET CHI	03/29/23 14:14
Total/NA	Analysis	8270E		1	705063	SS	EET CHI	03/30/23 18:26
Total/NA	Prep	3541			704745	GM	EET CHI	03/29/23 08:05 - 03/29/23 12:20 ¹
Total/NA	Analysis	8082A		1	704847	SS	EET CHI	03/29/23 19:47
Total/NA	Prep	3050B			705829	RN	EET CHI	04/04/23 14:49 - 04/04/23 15:19 ¹
Total/NA	Analysis	6010B		1	706313	CMS	EET CHI	04/05/23 17:20
Total/NA	Prep	7471B			705616	MJG	EET CHI	04/03/23 18:45
Total/NA	Analysis	7471B		1	705821	MJG	EET CHI	04/04/23 09:46

Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Client Sample ID: EB-MW-7, 2' to 4'
Date Collected: 03/22/23 13:00
Date Received: 03/24/23 09:50

Lab Sample ID: 500-231195-3
Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	704186	LWN	EET CHI	03/24/23 15:15

Client Sample ID: EB-MW-7, 2' to 4'
Date Collected: 03/22/23 13:00
Date Received: 03/24/23 09:50

Lab Sample ID: 500-231195-3
Matrix: Soil
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			704214	WRE	EET CHI	03/22/23 13:00
Total/NA	Analysis	8260B		50	704955	W1T	EET CHI	03/30/23 15:27
Total/NA	Prep	3546			704849	GM	EET CHI	03/29/23 14:14
Total/NA	Analysis	8270E		1	705063	SS	EET CHI	03/30/23 18:46
Total/NA	Prep	3541			704745	GM	EET CHI	03/29/23 08:05 - 03/29/23 12:20 ¹
Total/NA	Analysis	8082A		1	704847	SS	EET CHI	03/29/23 20:02
Total/NA	Prep	3050B			705829	RN	EET CHI	04/04/23 14:49 - 04/04/23 15:19 ¹
Total/NA	Analysis	6010B		1	706313	CMS	EET CHI	04/05/23 17:30
Total/NA	Prep	7471B			705616	MJG	EET CHI	04/03/23 18:45
Total/NA	Analysis	7471B		1	705821	MJG	EET CHI	04/04/23 09:48

¹ Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
Project/Site: CWC East Block 40441

Job ID: 500-231195-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-23

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500-231195

Sample Collector(s) Dan Pelczar	Title Senior Geologist	Telephone # (incl. area code) (262) 821 1171	Report To Robert Reineke & Dan Pelczar
Property Owner CWC East Block	Property Address 2748 N 32nd St. Milwaukee WI	Telephone # (incl. area code)	KSingh Project # 40441

I hereby certify that I received property and disposed of the samples as noted below

Relinquished By (Signature) <i>Dan Pelczar</i>	Date/Time 3/23/2023	Laboratory Name Eurofins	Received By (Signature) <i>Shu</i> 3/23/23 1450	Temperature Blank 34733
Relinquished By (Signature) <i>Shu</i> 3/23/23 1530	Date/Time	Received By (Signature) <i>Shu Scott</i> 3/24/23 0950	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		Samples		Location/Description (2)	VOCs (8260B)	PAHs (8270D)	PCBs (8082A)	RCRA Metals (6010B/7471B)	Sample Condition				
Date Collected	Time Collected	Type (1)	Device						# / Type of Container				
2 Sample description must clearly correlate the sample ID to the sampling location									MeOH	HCL	H2SO4	Unpres	Other Comment
3/21/2023	2 30	Soil	SS	EB-MW 1R, 28' to 30'	x	x	x	x	1			2	
3/22/2023	11 10	Soil	SS	EB-MW 1R 63' to 65'	x	x	x	x	1			2	
3/22/2023	1 00	Soil	SS	EB-MW 7 2' to 4'	x	x	x	x	1			2	

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES				DEPARTMENT USE ONLY			
Disposition of unused portion of sample				Split Samples			
Laboratory should (check)				Offered			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dispose	Return	Retain for	Other	Accepted	Accepted	Accepted	Accepted
		(days)					
				Accepted By			
				Signature			





500-231195 Waybi

ORIGIN ID:RRLA (262) 202-5955
IAN EVANS
EUROFINS TESTAMERICA
4125 N 124TH ST.
SUITE F (REAR)
BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 23MAR23
ACTWGT: 51.85 LB
CAD: 0269688/CAFE3621

BILL SENDER

TO **SAMPLE RECEIPT**
EUROFINS
2417 BOND ST.

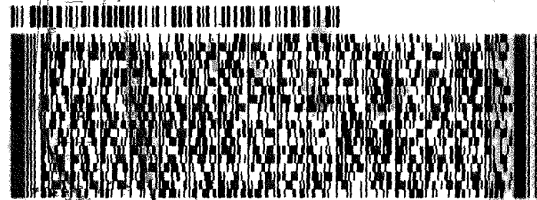
58217/4882/4320

UNIVERSITY PARK IL 60484

(262) 202-5955
TNUF
PO:

REF

DEPT:



FedEx
Express



J22302286061111

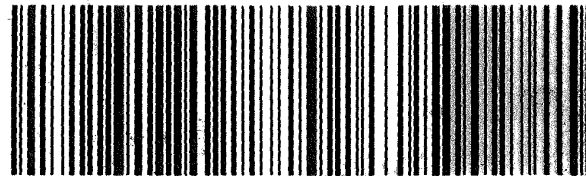
TRK# 6374 2028 2610
0201

FRI - 24 MAR 10:30A
PRIORITY OVERNIGHT

79 JOTA

34-733

60484
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Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-231195-1

SDG Number:

Login Number: 231195

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins 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	3.3
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	



ATTACHMENT C

Groundwater Laboratory Analytical Reports



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Robert Reineke
K. Singh & Associates, Inc
3636 N. 124th Street
Wauwatosa, Wisconsin 53222

Generated 12/12/2023 2:59:37 PM

JOB DESCRIPTION

Community Within the Corridor - 40441

JOB NUMBER

500-242632-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

Results relate only to the items tested and the sample(s) as received by the laboratory. The results, detection limits (LOD) and Quantitation Limits (LOQ) have been adjusted for sample dilutions and/or solids content.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
Sandie Fredrick, Senior Project Manager
Sandra.Fredrick@et.eurofinsus.com
(920)261-1660



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Case Narrative

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Job ID: 500-242632-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-242632-1

Receipt

The samples were received on 11/16/2023 10:10 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 1.1° C and 1.8° C.

Receipt Exceptions

Received 2 VOA vials empty for sample 3.

Received one VOA vial for sample -1 and two VOA vials for samples -2, -4, and -5 with headspace.

Received eight bottles for sample -1; chain of custody has six.

GC/MS VOA

Method 8260B: The laboratory control sample (LCS) for analytical batch 500-743209 recovered outside control limits for the following analytes: Vinyl chloride, 1,1-Dichloroethene, Tetrachloroethene, Trichlorofluoromethane and trans-1,2-Dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Methods 8260B, 8260D: Methylene chloride was detected in the following items: EB-MW-2 (500-242632-1), EB-MW-4R (500-242632-2), EB-MW-6 (500-242632-3), EB-MW-5 (500-242632-4), DUP-1 (500-242632-5) and Trip Blank (500-242632-6). Methylene chloride is a known lab contaminant; therefore all low level detects for this compound could be suspected as lab contamination.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) analyzed in 500-743245 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and Benzo[a]pyrene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: EB-MW-4R (500-242632-2).

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: EB-MW-4R (500-242632-2). 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.

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 diluted to bring the concentration of target analytes within the calibration range: EB-MW-4R (500-242632-2). 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.

Metals

Method 6020A: The filtered method blank for preparation batch 500-744482 and 500-744675 and analytical batch 500-745793 contained Lead above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3510C: Elevated reporting limits are provided for the following sample due to insufficient sample provided for 8082A preparation: DUP-1 (500-242632-5).

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with

Case Narrative

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Job ID: 500-242632-1 (Continued)

Laboratory: Eurofins Chicago (Continued)

preparation batch 480-693020.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Detection Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-2

Lab Sample ID: 500-242632-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.8		0.50	0.15	ug/L	1		8260B	Total/NA
Chloroethane	7.6		5.0	0.51	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	5.4		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	21		1.0	0.41	ug/L	1		8260B	Total/NA
Ethylbenzene	17		0.50	0.18	ug/L	1		8260B	Total/NA
Isopropylbenzene	6.6		1.0	0.39	ug/L	1		8260B	Total/NA
Methylene Chloride	2.8	J	5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	4.7		1.0	0.34	ug/L	1		8260B	Total/NA
n-Butylbenzene	13		1.0	0.39	ug/L	1		8260B	Total/NA
N-Propylbenzene	10		1.0	0.41	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	4.4		1.0	0.36	ug/L	1		8260B	Total/NA
sec-Butylbenzene	8.2		1.0	0.40	ug/L	1		8260B	Total/NA
Toluene	0.92		0.50	0.15	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	3.2		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	11		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	52		1.0	0.36	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	13		1.0	0.25	ug/L	1		8260B	Total/NA
Xylenes, Total	20		1.0	0.22	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	1.0	J	1.6	0.24	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	0.26	J	1.6	0.052	ug/L	1		8270D	Total/NA
Naphthalene	4.0		0.79	0.25	ug/L	1		8270D	Total/NA
PCB-1248	0.31	J	0.50	0.18	ug/L	1		8082A	Total/NA
Arsenic	0.92	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	130		2.5	0.73	ug/L	1		6020A	Dissolved
Lead	0.47	J B	0.50	0.19	ug/L	1		6020A	Dissolved

Client Sample ID: EB-MW-4R

Lab Sample ID: 500-242632-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.2	J	5.0	1.6	ug/L	1		8260B	Total/NA
PCB-1260	56		10	5.0	ug/L	20		8082A	Total/NA
Arsenic	0.34	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	68		2.5	0.73	ug/L	1		6020A	Dissolved
Cadmium	0.20	J	0.50	0.17	ug/L	1		6020A	Dissolved
Lead	0.62	B	0.50	0.19	ug/L	1		6020A	Dissolved

Client Sample ID: EB-MW-6

Lab Sample ID: 500-242632-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.2	J	5.0	1.6	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	0.24		0.16	0.046	ug/L	1		8270D	Total/NA
Benzo[a]pyrene	0.22		0.16	0.080	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.27		0.16	0.065	ug/L	1		8270D	Total/NA
Benzo[k]fluoranthene	0.10	J	0.16	0.052	ug/L	1		8270D	Total/NA
Chrysene	0.23		0.16	0.055	ug/L	1		8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.20		0.16	0.060	ug/L	1		8270D	Total/NA
2-Methylnaphthalene	0.11	J	1.6	0.053	ug/L	1		8270D	Total/NA
Phenanthrene	0.24	J	0.81	0.24	ug/L	1		8270D	Total/NA
Arsenic	0.68	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	15		2.5	0.73	ug/L	1		6020A	Dissolved
Cadmium	0.28	J	0.50	0.17	ug/L	1		6020A	Dissolved
Lead	1.1	B	0.50	0.19	ug/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Euofins Chicago

Detection Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-5

Lab Sample ID: 500-242632-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.9	J	5.0	1.6	ug/L	1		8260B	Total/NA
Arsenic	0.56	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	45		2.5	0.73	ug/L	1		6020A	Dissolved
Lead	1.4	B	0.50	0.19	ug/L	1		6020A	Dissolved
Selenium	12		2.5	0.98	ug/L	1		6020A	Dissolved

Client Sample ID: DUP-1

Lab Sample ID: 500-242632-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5.8		0.50	0.15	ug/L	1		8260B	Total/NA
Chloroethane	7.1		5.0	0.51	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.9		1.0	0.41	ug/L	1		8260B	Total/NA
1,1-Dichloroethane	20		1.0	0.41	ug/L	1		8260B	Total/NA
Isopropylbenzene	3.8		1.0	0.39	ug/L	1		8260B	Total/NA
Methylene Chloride	1.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
N-Propylbenzene	3.6		1.0	0.41	ug/L	1		8260B	Total/NA
sec-Butylbenzene	4.1		1.0	0.40	ug/L	1		8260B	Total/NA
tert-Butylbenzene	1.3		1.0	0.40	ug/L	1		8260B	Total/NA
1,1,1-Trichloroethane	3.2		1.0	0.38	ug/L	1		8260B	Total/NA
Trichloroethene	14		0.50	0.16	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	1.1		1.0	0.36	ug/L	1		8260B	Total/NA
Acenaphthene	0.31	J	0.76	0.23	ug/L	1		8270D	Total/NA
Benzo[a]anthracene	0.19		0.15	0.043	ug/L	1		8270D	Total/NA
Benzo[b]fluoranthene	0.12	J	0.15	0.061	ug/L	1		8270D	Total/NA
Chrysene	0.19		0.15	0.051	ug/L	1		8270D	Total/NA
Fluorene	0.21	J	0.76	0.18	ug/L	1		8270D	Total/NA
1-Methylnaphthalene	0.74	J	1.5	0.23	ug/L	1		8270D	Total/NA
Naphthalene	0.34	J	0.76	0.23	ug/L	1		8270D	Total/NA
PCB-1260	3.0		1.0	0.50	ug/L	1		8082A	Total/NA
Arsenic	0.62	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	130		2.5	0.73	ug/L	1		6020A	Dissolved
Lead	0.63	B	0.50	0.19	ug/L	1		6020A	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 500-242632-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6020A	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI
FILTRATION	Sample Filtration	None	EET CHI

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET CHI = Eurofins 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 - 40441

Job ID: 500-242632-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-242632-1	EB-MW-2	Water	11/14/23 10:45	11/16/23 10:10
500-242632-2	EB-MW-4R	Water	11/14/23 11:30	11/16/23 10:10
500-242632-3	EB-MW-6	Water	11/14/23 12:00	11/16/23 10:10
500-242632-4	EB-MW-5	Water	11/14/23 13:30	11/16/23 10:10
500-242632-5	DUP-1	Water	11/14/23 00:00	11/16/23 10:10
500-242632-6	Trip Blank	Water	11/14/23 00:00	11/16/23 10:10

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-2

Lab Sample ID: 500-242632-1

Date Collected: 11/14/23 10:45

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.8		0.50	0.15	ug/L			11/21/23 13:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 13:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 13:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 13:27	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 13:27	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 13:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 13:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 13:27	1
Chloroethane	7.6		5.0	0.51	ug/L			11/21/23 13:27	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 13:27	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 13:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 13:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 13:27	1
cis-1,2-Dichloroethene	5.4		1.0	0.41	ug/L			11/21/23 13:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 13:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 13:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 13:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 13:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 13:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 13:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 13:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 13:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 13:27	1
1,1-Dichloroethane	21		1.0	0.41	ug/L			11/21/23 13:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 13:27	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 13:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 13:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 13:27	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 13:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 13:27	1
Ethylbenzene	17		0.50	0.18	ug/L			11/21/23 13:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 13:27	1
Isopropylbenzene	6.6		1.0	0.39	ug/L			11/21/23 13:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 13:27	1
Methylene Chloride	2.8 J		5.0	1.6	ug/L			11/21/23 13:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 13:27	1
Naphthalene	4.7		1.0	0.34	ug/L			11/21/23 13:27	1
n-Butylbenzene	13		1.0	0.39	ug/L			11/21/23 13:27	1
N-Propylbenzene	10		1.0	0.41	ug/L			11/21/23 13:27	1
p-Isopropyltoluene	4.4		1.0	0.36	ug/L			11/21/23 13:27	1
sec-Butylbenzene	8.2		1.0	0.40	ug/L			11/21/23 13:27	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 13:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 13:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 13:27	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 13:27	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 13:27	1
Toluene	0.92		0.50	0.15	ug/L			11/21/23 13:27	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 13:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 13:27	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-2

Lab Sample ID: 500-242632-1

Date Collected: 11/14/23 10:45

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 13:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 13:27	1
1,1,1-Trichloroethane	3.2		1.0	0.38	ug/L			11/21/23 13:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 13:27	1
Trichloroethene	11		0.50	0.16	ug/L			11/21/23 13:27	1
Trichlorofluoromethane	<0.43	+	1.0	0.43	ug/L			11/21/23 13:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 13:27	1
1,2,4-Trimethylbenzene	52		1.0	0.36	ug/L			11/21/23 13:27	1
1,3,5-Trimethylbenzene	13		1.0	0.25	ug/L			11/21/23 13:27	1
Vinyl chloride	<0.20	+	1.0	0.20	ug/L			11/21/23 13:27	1
Xylenes, Total	20		1.0	0.22	ug/L			11/21/23 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		72 - 124		11/21/23 13:27	1
Dibromofluoromethane (Surr)	106		75 - 120		11/21/23 13:27	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		11/21/23 13:27	1
Toluene-d8 (Surr)	94		75 - 120		11/21/23 13:27	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.79	0.25	ug/L		11/20/23 07:57	11/21/23 15:33	1
Acenaphthylene	<0.21		0.79	0.21	ug/L		11/20/23 07:57	11/21/23 15:33	1
Anthracene	<0.26		0.79	0.26	ug/L		11/20/23 07:57	11/21/23 15:33	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		11/20/23 07:57	11/21/23 15:33	1
Benzo[a]pyrene	<0.078		0.16	0.078	ug/L		11/20/23 07:57	11/21/23 15:33	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		11/20/23 07:57	11/21/23 15:33	1
Benzo[g,h,i]perylene	<0.30		0.79	0.30	ug/L		11/20/23 07:57	11/21/23 15:33	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		11/20/23 07:57	11/21/23 15:33	1
Chrysene	<0.054		0.16	0.054	ug/L		11/20/23 07:57	11/21/23 15:33	1
Dibenz(a,h)anthracene	<0.040		0.24	0.040	ug/L		11/20/23 07:57	11/21/23 15:33	1
Fluoranthene	<0.36		0.79	0.36	ug/L		11/20/23 07:57	11/21/23 15:33	1
Fluorene	<0.19		0.79	0.19	ug/L		11/20/23 07:57	11/21/23 15:33	1
Indeno[1,2,3-cd]pyrene	<0.059		0.16	0.059	ug/L		11/20/23 07:57	11/21/23 15:33	1
1-Methylnaphthalene	1.0	J	1.6	0.24	ug/L		11/20/23 07:57	11/21/23 15:33	1
2-Methylnaphthalene	0.26	J	1.6	0.052	ug/L		11/20/23 07:57	11/21/23 15:33	1
Naphthalene	4.0		0.79	0.25	ug/L		11/20/23 07:57	11/21/23 15:33	1
Phenanthrene	<0.24		0.79	0.24	ug/L		11/20/23 07:57	11/21/23 15:33	1
Pyrene	<0.34		0.79	0.34	ug/L		11/20/23 07:57	11/21/23 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		34 - 110	11/20/23 07:57	11/21/23 15:33	1
Nitrobenzene-d5 (Surr)	89		36 - 120	11/20/23 07:57	11/21/23 15:33	1
Terphenyl-d14 (Surr)	99		40 - 145	11/20/23 07:57	11/21/23 15:33	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 05:52	1
PCB-1221	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 05:52	1
PCB-1232	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 05:52	1
PCB-1242	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 05:52	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-2

Lab Sample ID: 500-242632-1

Date Collected: 11/14/23 10:45

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	0.31	J	0.50	0.18	ug/L		11/22/23 06:59	11/27/23 05:52	1
PCB-1254	<0.25		0.50	0.25	ug/L		11/22/23 06:59	11/27/23 05:52	1
PCB-1260	<0.25		0.50	0.25	ug/L		11/22/23 06:59	11/27/23 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	51		39 - 121				11/22/23 06:59	11/27/23 05:52	1
<i>DCB Decachlorobiphenyl</i>	25		19 - 120				11/22/23 06:59	11/27/23 05:52	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.92	J	1.0	0.23	ug/L		12/01/23 09:38	12/07/23 20:26	1
Barium	130		2.5	0.73	ug/L		12/01/23 09:38	12/07/23 20:26	1
Cadmium	<0.17		0.50	0.17	ug/L		12/01/23 09:38	12/07/23 20:26	1
Chromium	<1.1		5.0	1.1	ug/L		12/01/23 09:38	12/07/23 20:26	1
Lead	0.47	J B	0.50	0.19	ug/L		12/01/23 09:38	12/07/23 20:26	1
Selenium	<0.98		2.5	0.98	ug/L		12/01/23 09:38	12/07/23 20:26	1
Silver	<0.12		0.50	0.12	ug/L		12/01/23 09:38	12/07/23 20:26	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		12/01/23 10:05	12/04/23 07:33	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-4R

Lab Sample ID: 500-242632-2

Date Collected: 11/14/23 11:30

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 13:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 13:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 13:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 13:52	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 13:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 13:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 13:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 13:52	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 13:52	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 13:52	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 13:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 13:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 13:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 13:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 13:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 13:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 13:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 13:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 13:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 13:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 13:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 13:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 13:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 13:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 13:52	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 13:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 13:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 13:52	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 13:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 13:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 13:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 13:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 13:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 13:52	1
Methylene Chloride	2.2	J	5.0	1.6	ug/L			11/21/23 13:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 13:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 13:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 13:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 13:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 13:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 13:52	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 13:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 13:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 13:52	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 13:52	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 13:52	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 13:52	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 13:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 13:52	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-4R

Lab Sample ID: 500-242632-2

Date Collected: 11/14/23 11:30

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 13:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 13:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 13:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 13:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 13:52	1
Trichlorofluoromethane	<0.43	+	1.0	0.43	ug/L			11/21/23 13:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 13:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 13:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 13:52	1
Vinyl chloride	<0.20	+	1.0	0.20	ug/L			11/21/23 13:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 13:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		72 - 124					11/21/23 13:52	1
Dibromofluoromethane (Surr)	107		75 - 120					11/21/23 13:52	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 126					11/21/23 13:52	1
Toluene-d8 (Surr)	95		75 - 120					11/21/23 13:52	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<24		79	24	ug/L		11/20/23 07:57	11/29/23 21:41	100
Acenaphthylene	<21		79	21	ug/L		11/20/23 07:57	11/29/23 21:41	100
Anthracene	<26		79	26	ug/L		11/20/23 07:57	11/29/23 21:41	100
Benzo[a]anthracene	<4.5		16	4.5	ug/L		11/20/23 07:57	11/29/23 21:41	100
Benzo[a]pyrene	<7.8		16	7.8	ug/L		11/20/23 07:57	11/29/23 21:41	100
Benzo[b]fluoranthene	<6.4		16	6.4	ug/L		11/20/23 07:57	11/29/23 21:41	100
Benzo[g,h,i]perylene	<30		79	30	ug/L		11/20/23 07:57	11/29/23 21:41	100
Benzo[k]fluoranthene	<5.1		16	5.1	ug/L		11/20/23 07:57	11/29/23 21:41	100
Chrysene	<5.4		16	5.4	ug/L		11/20/23 07:57	11/29/23 21:41	100
Dibenz(a,h)anthracene	<4.0		24	4.0	ug/L		11/20/23 07:57	11/29/23 21:41	100
Fluoranthene	<36		79	36	ug/L		11/20/23 07:57	11/29/23 21:41	100
Fluorene	<19		79	19	ug/L		11/20/23 07:57	11/29/23 21:41	100
Indeno[1,2,3-cd]pyrene	<5.9		16	5.9	ug/L		11/20/23 07:57	11/29/23 21:41	100
1-Methylnaphthalene	<24		160	24	ug/L		11/20/23 07:57	11/29/23 21:41	100
2-Methylnaphthalene	<5.2		160	5.2	ug/L		11/20/23 07:57	11/29/23 21:41	100
Naphthalene	<24		79	24	ug/L		11/20/23 07:57	11/29/23 21:41	100
Phenanthrene	<24		79	24	ug/L		11/20/23 07:57	11/29/23 21:41	100
Pyrene	<34		79	34	ug/L		11/20/23 07:57	11/29/23 21:41	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	S1-	34 - 110				11/20/23 07:57	11/29/23 21:41	100
Nitrobenzene-d5 (Surr)	0	S1-	36 - 120				11/20/23 07:57	11/29/23 21:41	100
Terphenyl-d14 (Surr)	0	S1-	40 - 145				11/20/23 07:57	11/29/23 21:41	100

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<3.5		10	3.5	ug/L		11/22/23 06:59	11/27/23 16:24	20
PCB-1221	<3.5		10	3.5	ug/L		11/22/23 06:59	11/27/23 16:24	20
PCB-1232	<3.5		10	3.5	ug/L		11/22/23 06:59	11/27/23 16:24	20
PCB-1242	<3.5		10	3.5	ug/L		11/22/23 06:59	11/27/23 16:24	20

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-4R

Lab Sample ID: 500-242632-2

Date Collected: 11/14/23 11:30

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<3.5		10	3.5	ug/L		11/22/23 06:59	11/27/23 16:24	20
PCB-1254	<5.0		10	5.0	ug/L		11/22/23 06:59	11/27/23 16:24	20
PCB-1260	56		10	5.0	ug/L		11/22/23 06:59	11/27/23 16:24	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	42		39 - 121				11/22/23 06:59	11/27/23 16:24	20
<i>DCB Decachlorobiphenyl</i>	42		19 - 120				11/22/23 06:59	11/27/23 16:24	20

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.34	J	1.0	0.23	ug/L		12/01/23 09:38	12/07/23 20:30	1
Barium	68		2.5	0.73	ug/L		12/01/23 09:38	12/07/23 20:30	1
Cadmium	0.20	J	0.50	0.17	ug/L		12/01/23 09:38	12/07/23 20:30	1
Chromium	<1.1		5.0	1.1	ug/L		12/01/23 09:38	12/07/23 20:30	1
Lead	0.62	B	0.50	0.19	ug/L		12/01/23 09:38	12/07/23 20:30	1
Selenium	<0.98		2.5	0.98	ug/L		12/01/23 09:38	12/07/23 20:30	1
Silver	<0.12		0.50	0.12	ug/L		12/01/23 09:38	12/07/23 20:30	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		12/01/23 10:05	12/04/23 07:35	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-6

Lab Sample ID: 500-242632-3

Date Collected: 11/14/23 12:00

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 14:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 14:17	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 14:17	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 14:17	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 14:17	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 14:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 14:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 14:17	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 14:17	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 14:17	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 14:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 14:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 14:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 14:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 14:17	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 14:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 14:17	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 14:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 14:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 14:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 14:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 14:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 14:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 14:17	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 14:17	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 14:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 14:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 14:17	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 14:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 14:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 14:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 14:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 14:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 14:17	1
Methylene Chloride	2.2	J	5.0	1.6	ug/L			11/21/23 14:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 14:17	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 14:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 14:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 14:17	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 14:17	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 14:17	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 14:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 14:17	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 14:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 14:17	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 14:17	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 14:17	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 14:17	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 14:17	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-6

Lab Sample ID: 500-242632-3

Date Collected: 11/14/23 12:00

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 14:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 14:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 14:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 14:17	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 14:17	1
Trichlorofluoromethane	<0.43	+	1.0	0.43	ug/L			11/21/23 14:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 14:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 14:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 14:17	1
Vinyl chloride	<0.20	+	1.0	0.20	ug/L			11/21/23 14:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		72 - 124		11/21/23 14:17	1
Dibromofluoromethane (Surr)	102		75 - 120		11/21/23 14:17	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		11/21/23 14:17	1
Toluene-d8 (Surr)	100		75 - 120		11/21/23 14:17	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.25		0.81	0.25	ug/L		11/20/23 07:57	11/21/23 15:58	1
Acenaphthylene	<0.22		0.81	0.22	ug/L		11/20/23 07:57	11/21/23 15:58	1
Anthracene	<0.27		0.81	0.27	ug/L		11/20/23 07:57	11/21/23 15:58	1
Benzo[a]anthracene	0.24		0.16	0.046	ug/L		11/20/23 07:57	11/21/23 15:58	1
Benzo[a]pyrene	0.22		0.16	0.080	ug/L		11/20/23 07:57	11/21/23 15:58	1
Benzo[b]fluoranthene	0.27		0.16	0.065	ug/L		11/20/23 07:57	11/21/23 15:58	1
Benzo[g,h,i]perylene	<0.30		0.81	0.30	ug/L		11/20/23 07:57	11/21/23 15:58	1
Benzo[k]fluoranthene	0.10	J	0.16	0.052	ug/L		11/20/23 07:57	11/21/23 15:58	1
Chrysene	0.23		0.16	0.055	ug/L		11/20/23 07:57	11/21/23 15:58	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		11/20/23 07:57	11/21/23 15:58	1
Fluoranthene	<0.37		0.81	0.37	ug/L		11/20/23 07:57	11/21/23 15:58	1
Fluorene	<0.20		0.81	0.20	ug/L		11/20/23 07:57	11/21/23 15:58	1
Indeno[1,2,3-cd]pyrene	0.20		0.16	0.060	ug/L		11/20/23 07:57	11/21/23 15:58	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		11/20/23 07:57	11/21/23 15:58	1
2-Methylnaphthalene	0.11	J	1.6	0.053	ug/L		11/20/23 07:57	11/21/23 15:58	1
Naphthalene	<0.25		0.81	0.25	ug/L		11/20/23 07:57	11/21/23 15:58	1
Phenanthrene	0.24	J	0.81	0.24	ug/L		11/20/23 07:57	11/21/23 15:58	1
Pyrene	<0.34		0.81	0.34	ug/L		11/20/23 07:57	11/21/23 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	82		34 - 110	11/20/23 07:57	11/21/23 15:58	1
Nitrobenzene-d5 (Surr)	89		36 - 120	11/20/23 07:57	11/21/23 15:58	1
Terphenyl-d14 (Surr)	77		40 - 145	11/20/23 07:57	11/21/23 15:58	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/28/23 21:41	1
PCB-1221	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/28/23 21:41	1
PCB-1232	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/28/23 21:41	1
PCB-1242	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/28/23 21:41	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-6

Lab Sample ID: 500-242632-3

Date Collected: 11/14/23 12:00

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/28/23 21:41	1
PCB-1254	<0.25		0.50	0.25	ug/L		11/22/23 06:59	11/28/23 21:41	1
PCB-1260	<0.25		0.50	0.25	ug/L		11/22/23 06:59	11/28/23 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53		39 - 121				11/22/23 06:59	11/28/23 21:41	1
DCB Decachlorobiphenyl	40		19 - 120				11/22/23 06:59	11/28/23 21:41	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.68	J	1.0	0.23	ug/L		12/01/23 09:38	12/07/23 20:34	1
Barium	15		2.5	0.73	ug/L		12/01/23 09:38	12/07/23 20:34	1
Cadmium	0.28	J	0.50	0.17	ug/L		12/01/23 09:38	12/07/23 20:34	1
Chromium	<1.1		5.0	1.1	ug/L		12/01/23 09:38	12/07/23 20:34	1
Lead	1.1	B	0.50	0.19	ug/L		12/01/23 09:38	12/07/23 20:34	1
Selenium	<0.98		2.5	0.98	ug/L		12/01/23 09:38	12/07/23 20:34	1
Silver	<0.12		0.50	0.12	ug/L		12/01/23 09:38	12/07/23 20:34	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		12/01/23 10:05	12/04/23 07:37	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-5

Lab Sample ID: 500-242632-4

Date Collected: 11/14/23 13:30

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 14:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 14:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 14:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 14:42	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 14:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 14:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 14:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 14:42	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 14:42	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 14:42	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 14:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 14:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 14:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 14:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 14:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 14:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 14:42	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 14:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 14:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 14:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 14:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 14:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 14:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 14:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 14:42	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 14:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 14:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 14:42	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 14:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 14:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 14:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 14:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 14:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 14:42	1
Methylene Chloride	1.9	J	5.0	1.6	ug/L			11/21/23 14:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 14:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 14:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 14:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 14:42	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 14:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 14:42	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 14:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 14:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 14:42	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 14:42	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 14:42	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 14:42	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 14:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 14:42	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-5

Lab Sample ID: 500-242632-4

Date Collected: 11/14/23 13:30

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 14:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 14:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 14:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 14:42	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 14:42	1
Trichlorofluoromethane	<0.43	+	1.0	0.43	ug/L			11/21/23 14:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 14:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 14:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 14:42	1
Vinyl chloride	<0.20	+	1.0	0.20	ug/L			11/21/23 14:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		72 - 124		11/21/23 14:42	1
Dibromofluoromethane (Surr)	105		75 - 120		11/21/23 14:42	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		11/21/23 14:42	1
Toluene-d8 (Surr)	104		75 - 120		11/21/23 14:42	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.26		0.83	0.26	ug/L		11/20/23 07:57	11/21/23 16:23	1
Acenaphthylene	<0.22		0.83	0.22	ug/L		11/20/23 07:57	11/21/23 16:23	1
Anthracene	<0.28		0.83	0.28	ug/L		11/20/23 07:57	11/21/23 16:23	1
Benzo[a]anthracene	<0.047		0.17	0.047	ug/L		11/20/23 07:57	11/21/23 16:23	1
Benzo[a]pyrene	<0.082		0.17	0.082	ug/L		11/20/23 07:57	11/21/23 16:23	1
Benzo[b]fluoranthene	<0.067		0.17	0.067	ug/L		11/20/23 07:57	11/21/23 16:23	1
Benzo[g,h,i]perylene	<0.31		0.83	0.31	ug/L		11/20/23 07:57	11/21/23 16:23	1
Benzo[k]fluoranthene	<0.053		0.17	0.053	ug/L		11/20/23 07:57	11/21/23 16:23	1
Chrysene	<0.057		0.17	0.057	ug/L		11/20/23 07:57	11/21/23 16:23	1
Dibenz(a,h)anthracene	<0.042		0.25	0.042	ug/L		11/20/23 07:57	11/21/23 16:23	1
Fluoranthene	<0.38		0.83	0.38	ug/L		11/20/23 07:57	11/21/23 16:23	1
Fluorene	<0.20		0.83	0.20	ug/L		11/20/23 07:57	11/21/23 16:23	1
Indeno[1,2,3-cd]pyrene	<0.062		0.17	0.062	ug/L		11/20/23 07:57	11/21/23 16:23	1
1-Methylnaphthalene	<0.25		1.7	0.25	ug/L		11/20/23 07:57	11/21/23 16:23	1
2-Methylnaphthalene	<0.054		1.7	0.054	ug/L		11/20/23 07:57	11/21/23 16:23	1
Naphthalene	<0.26		0.83	0.26	ug/L		11/20/23 07:57	11/21/23 16:23	1
Phenanthrene	<0.25		0.83	0.25	ug/L		11/20/23 07:57	11/21/23 16:23	1
Pyrene	<0.35		0.83	0.35	ug/L		11/20/23 07:57	11/21/23 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		34 - 110	11/20/23 07:57	11/21/23 16:23	1
Nitrobenzene-d5 (Surr)	84		36 - 120	11/20/23 07:57	11/21/23 16:23	1
Terphenyl-d14 (Surr)	69		40 - 145	11/20/23 07:57	11/21/23 16:23	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.18		0.52	0.18	ug/L		11/22/23 06:59	11/28/23 21:59	1
PCB-1221	<0.18		0.52	0.18	ug/L		11/22/23 06:59	11/28/23 21:59	1
PCB-1232	<0.18		0.52	0.18	ug/L		11/22/23 06:59	11/28/23 21:59	1
PCB-1242	<0.18		0.52	0.18	ug/L		11/22/23 06:59	11/28/23 21:59	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-5

Lab Sample ID: 500-242632-4

Date Collected: 11/14/23 13:30

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.18		0.52	0.18	ug/L		11/22/23 06:59	11/28/23 21:59	1
PCB-1254	<0.26		0.52	0.26	ug/L		11/22/23 06:59	11/28/23 21:59	1
PCB-1260	<0.26		0.52	0.26	ug/L		11/22/23 06:59	11/28/23 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	62		39 - 121				11/22/23 06:59	11/28/23 21:59	1
<i>DCB Decachlorobiphenyl</i>	36		19 - 120				11/22/23 06:59	11/28/23 21:59	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.56	J	1.0	0.23	ug/L		12/01/23 09:38	12/07/23 20:38	1
Barium	45		2.5	0.73	ug/L		12/01/23 09:38	12/07/23 20:38	1
Cadmium	<0.17		0.50	0.17	ug/L		12/01/23 09:38	12/07/23 20:38	1
Chromium	<1.1		5.0	1.1	ug/L		12/01/23 09:38	12/07/23 20:38	1
Lead	1.4	B	0.50	0.19	ug/L		12/01/23 09:38	12/07/23 20:38	1
Selenium	12		2.5	0.98	ug/L		12/01/23 09:38	12/07/23 20:38	1
Silver	<0.12		0.50	0.12	ug/L		12/01/23 09:38	12/07/23 20:38	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		12/01/23 10:05	12/04/23 07:40	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: DUP-1

Lab Sample ID: 500-242632-5

Date Collected: 11/14/23 00:00

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.8		0.50	0.15	ug/L			11/21/23 15:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 15:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 15:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 15:06	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 15:06	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 15:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 15:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 15:06	1
Chloroethane	7.1		5.0	0.51	ug/L			11/21/23 15:06	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 15:06	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 15:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 15:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 15:06	1
cis-1,2-Dichloroethene	3.9		1.0	0.41	ug/L			11/21/23 15:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 15:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 15:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 15:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 15:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 15:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 15:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 15:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 15:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 15:06	1
1,1-Dichloroethane	20		1.0	0.41	ug/L			11/21/23 15:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 15:06	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 15:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 15:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 15:06	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 15:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 15:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 15:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 15:06	1
Isopropylbenzene	3.8		1.0	0.39	ug/L			11/21/23 15:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 15:06	1
Methylene Chloride	1.7 J		5.0	1.6	ug/L			11/21/23 15:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 15:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 15:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 15:06	1
N-Propylbenzene	3.6		1.0	0.41	ug/L			11/21/23 15:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 15:06	1
sec-Butylbenzene	4.1		1.0	0.40	ug/L			11/21/23 15:06	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 15:06	1
tert-Butylbenzene	1.3		1.0	0.40	ug/L			11/21/23 15:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 15:06	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 15:06	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 15:06	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 15:06	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 15:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 15:06	1

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Client Sample Results

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: DUP-1
Date Collected: 11/14/23 00:00
Date Received: 11/16/23 10:10

Lab Sample ID: 500-242632-5
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 15:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 15:06	1
1,1,1-Trichloroethane	3.2		1.0	0.38	ug/L			11/21/23 15:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 15:06	1
Trichloroethene	14		0.50	0.16	ug/L			11/21/23 15:06	1
Trichlorofluoromethane	<0.43	+	1.0	0.43	ug/L			11/21/23 15:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 15:06	1
1,2,4-Trimethylbenzene	1.1		1.0	0.36	ug/L			11/21/23 15:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 15:06	1
Vinyl chloride	<0.20	+	1.0	0.20	ug/L			11/21/23 15:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		72 - 124					11/21/23 15:06	1
Dibromofluoromethane (Surr)	108		75 - 120					11/21/23 15:06	1
1,2-Dichloroethane-d4 (Surr)	92		75 - 126					11/21/23 15:06	1
Toluene-d8 (Surr)	96		75 - 120					11/21/23 15:06	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.31	J	0.76	0.23	ug/L		11/20/23 07:57	11/21/23 16:48	1
Acenaphthylene	<0.20		0.76	0.20	ug/L		11/20/23 07:57	11/21/23 16:48	1
Anthracene	<0.25		0.76	0.25	ug/L		11/20/23 07:57	11/21/23 16:48	1
Benzo[a]anthracene	0.19		0.15	0.043	ug/L		11/20/23 07:57	11/21/23 16:48	1
Benzo[a]pyrene	<0.075		0.15	0.075	ug/L		11/20/23 07:57	11/21/23 16:48	1
Benzo[b]fluoranthene	0.12	J	0.15	0.061	ug/L		11/20/23 07:57	11/21/23 16:48	1
Benzo[g,h,i]perylene	<0.28		0.76	0.28	ug/L		11/20/23 07:57	11/21/23 16:48	1
Benzo[k]fluoranthene	<0.048		0.15	0.048	ug/L		11/20/23 07:57	11/21/23 16:48	1
Chrysene	0.19		0.15	0.051	ug/L		11/20/23 07:57	11/21/23 16:48	1
Dibenz(a,h)anthracene	<0.038		0.23	0.038	ug/L		11/20/23 07:57	11/21/23 16:48	1
Fluoranthene	<0.34		0.76	0.34	ug/L		11/20/23 07:57	11/21/23 16:48	1
Fluorene	0.21	J	0.76	0.18	ug/L		11/20/23 07:57	11/21/23 16:48	1
Indeno[1,2,3-cd]pyrene	<0.056		0.15	0.056	ug/L		11/20/23 07:57	11/21/23 16:48	1
1-Methylnaphthalene	0.74	J	1.5	0.23	ug/L		11/20/23 07:57	11/21/23 16:48	1
2-Methylnaphthalene	<0.049		1.5	0.049	ug/L		11/20/23 07:57	11/21/23 16:48	1
Naphthalene	0.34	J	0.76	0.23	ug/L		11/20/23 07:57	11/21/23 16:48	1
Phenanthrene	<0.23		0.76	0.23	ug/L		11/20/23 07:57	11/21/23 16:48	1
Pyrene	<0.32		0.76	0.32	ug/L		11/20/23 07:57	11/21/23 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	83		34 - 110				11/20/23 07:57	11/21/23 16:48	1
Nitrobenzene-d5 (Surr)	94		36 - 120				11/20/23 07:57	11/21/23 16:48	1
Terphenyl-d14 (Surr)	100		40 - 145				11/20/23 07:57	11/21/23 16:48	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.35		1.0	0.35	ug/L		11/22/23 06:59	11/28/23 22:16	1
PCB-1221	<0.35		1.0	0.35	ug/L		11/22/23 06:59	11/28/23 22:16	1
PCB-1232	<0.35		1.0	0.35	ug/L		11/22/23 06:59	11/28/23 22:16	1
PCB-1242	<0.35		1.0	0.35	ug/L		11/22/23 06:59	11/28/23 22:16	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: DUP-1
Date Collected: 11/14/23 00:00
Date Received: 11/16/23 10:10

Lab Sample ID: 500-242632-5
Matrix: Water

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	<0.35		1.0	0.35	ug/L		11/22/23 06:59	11/28/23 22:16	1
PCB-1254	<0.50		1.0	0.50	ug/L		11/22/23 06:59	11/28/23 22:16	1
PCB-1260	3.0		1.0	0.50	ug/L		11/22/23 06:59	11/28/23 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	54		39 - 121				11/22/23 06:59	11/28/23 22:16	1
<i>DCB Decachlorobiphenyl</i>	50		19 - 120				11/22/23 06:59	11/28/23 22:16	1

Method: SW846 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.62	J	1.0	0.23	ug/L		12/01/23 09:38	12/07/23 20:42	1
Barium	130		2.5	0.73	ug/L		12/01/23 09:38	12/07/23 20:42	1
Cadmium	<0.17		0.50	0.17	ug/L		12/01/23 09:38	12/07/23 20:42	1
Chromium	<1.1		5.0	1.1	ug/L		12/01/23 09:38	12/07/23 20:42	1
Lead	0.63	B	0.50	0.19	ug/L		12/01/23 09:38	12/07/23 20:42	1
Selenium	<0.98		2.5	0.98	ug/L		12/01/23 09:38	12/07/23 20:42	1
Silver	<0.12		0.50	0.12	ug/L		12/01/23 09:38	12/07/23 20:42	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		12/01/23 10:05	12/04/23 07:42	1

Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-242632-6

Date Collected: 11/14/23 00:00

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 12:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 12:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 12:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 12:37	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 12:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 12:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 12:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 12:37	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 12:37	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 12:37	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 12:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 12:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 12:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 12:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 12:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 12:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 12:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 12:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 12:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 12:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 12:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 12:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 12:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 12:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 12:37	1
1,1-Dichloroethene	<0.39	*+	1.0	0.39	ug/L			11/21/23 12:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 12:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 12:37	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 12:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 12:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 12:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 12:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 12:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 12:37	1
Methylene Chloride	1.8	J	5.0	1.6	ug/L			11/21/23 12:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 12:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 12:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 12:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 12:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 12:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 12:37	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 12:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 12:37	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 12:37	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 12:37	1
Tetrachloroethene	<0.37	*+	1.0	0.37	ug/L			11/21/23 12:37	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 12:37	1
trans-1,2-Dichloroethene	<0.35	*+	1.0	0.35	ug/L			11/21/23 12:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 12:37	1

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Client Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-242632-6

Date Collected: 11/14/23 00:00

Matrix: Water

Date Received: 11/16/23 10:10

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 12:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 12:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 12:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 12:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 12:37	1
Trichlorofluoromethane	<0.43	*+	1.0	0.43	ug/L			11/21/23 12:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 12:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 12:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 12:37	1
Vinyl chloride	<0.20	*+	1.0	0.20	ug/L			11/21/23 12:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		72 - 124		11/21/23 12:37	1
Dibromofluoromethane (Surr)	106		75 - 120		11/21/23 12:37	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		11/21/23 12:37	1
Toluene-d8 (Surr)	98		75 - 120		11/21/23 12:37	1

Definitions/Glossary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

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.

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.
S1-	Surrogate recovery exceeds control limits, low biased.

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.

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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
Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

GC/MS VOA

Analysis Batch: 743209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Total/NA	Water	8260B	
500-242632-2	EB-MW-4R	Total/NA	Water	8260B	
500-242632-3	EB-MW-6	Total/NA	Water	8260B	
500-242632-4	EB-MW-5	Total/NA	Water	8260B	
500-242632-5	DUP-1	Total/NA	Water	8260B	
500-242632-6	Trip Blank	Total/NA	Water	8260B	
MB 500-743209/8	Method Blank	Total/NA	Water	8260B	
LCS 500-743209/27	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 743002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Total/NA	Water	3510C	
500-242632-2	EB-MW-4R	Total/NA	Water	3510C	
500-242632-3	EB-MW-6	Total/NA	Water	3510C	
500-242632-4	EB-MW-5	Total/NA	Water	3510C	
500-242632-5	DUP-1	Total/NA	Water	3510C	
MB 500-743002/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-743002/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-743002/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 743245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Total/NA	Water	8270D	743002
500-242632-3	EB-MW-6	Total/NA	Water	8270D	743002
500-242632-4	EB-MW-5	Total/NA	Water	8270D	743002
500-242632-5	DUP-1	Total/NA	Water	8270D	743002
MB 500-743002/1-A	Method Blank	Total/NA	Water	8270D	743002
LCS 500-743002/2-A	Lab Control Sample	Total/NA	Water	8270D	743002
LCSD 500-743002/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	743002

Analysis Batch: 744166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-2	EB-MW-4R	Total/NA	Water	8270D	743002

GC Semi VOA

Prep Batch: 693020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Total/NA	Water	3510C	
500-242632-2	EB-MW-4R	Total/NA	Water	3510C	
500-242632-3	EB-MW-6	Total/NA	Water	3510C	
500-242632-4	EB-MW-5	Total/NA	Water	3510C	
500-242632-5	DUP-1	Total/NA	Water	3510C	
MB 480-693020/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-693020/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-693020/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 693219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Total/NA	Water	8082A	693020

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QC Association Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

GC Semi VOA (Continued)

Analysis Batch: 693219 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-2	EB-MW-4R	Total/NA	Water	8082A	693020
MB 480-693020/1-A	Method Blank	Total/NA	Water	8082A	693020
LCS 480-693020/2-A	Lab Control Sample	Total/NA	Water	8082A	693020
LCSD 480-693020/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	693020

Analysis Batch: 693605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-3	EB-MW-6	Total/NA	Water	8082A	693020
500-242632-4	EB-MW-5	Total/NA	Water	8082A	693020
500-242632-5	DUP-1	Total/NA	Water	8082A	693020

Metals

Filtration Batch: 744482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Dissolved	Water	FILTRATION	
500-242632-2	EB-MW-4R	Dissolved	Water	FILTRATION	
500-242632-3	EB-MW-6	Dissolved	Water	FILTRATION	
500-242632-4	EB-MW-5	Dissolved	Water	FILTRATION	
500-242632-5	DUP-1	Dissolved	Water	FILTRATION	
MB 500-744482/1-B	Method Blank	Dissolved	Water	FILTRATION	
MB 500-744482/1-D	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 744675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Dissolved	Water	3005A	744482
500-242632-2	EB-MW-4R	Dissolved	Water	3005A	744482
500-242632-3	EB-MW-6	Dissolved	Water	3005A	744482
500-242632-4	EB-MW-5	Dissolved	Water	3005A	744482
500-242632-5	DUP-1	Dissolved	Water	3005A	744482
MB 500-744482/1-B	Method Blank	Dissolved	Water	3005A	744482
MB 500-744675/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-744675/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 744678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Dissolved	Water	7470A	744482
500-242632-2	EB-MW-4R	Dissolved	Water	7470A	744482
500-242632-3	EB-MW-6	Dissolved	Water	7470A	744482
500-242632-4	EB-MW-5	Dissolved	Water	7470A	744482
500-242632-5	DUP-1	Dissolved	Water	7470A	744482
MB 500-744482/1-D	Method Blank	Dissolved	Water	7470A	744482
MB 500-744678/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-744678/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 745000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Dissolved	Water	7470A	744678
500-242632-2	EB-MW-4R	Dissolved	Water	7470A	744678
500-242632-3	EB-MW-6	Dissolved	Water	7470A	744678
500-242632-4	EB-MW-5	Dissolved	Water	7470A	744678

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QC Association Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Metals (Continued)

Analysis Batch: 745000 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-5	DUP-1	Dissolved	Water	7470A	744678
MB 500-744482/1-D	Method Blank	Dissolved	Water	7470A	744678
MB 500-744678/12-A	Method Blank	Total/NA	Water	7470A	744678
LCS 500-744678/13-A	Lab Control Sample	Total/NA	Water	7470A	744678

Analysis Batch: 745793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-242632-1	EB-MW-2	Dissolved	Water	6020A	744675
500-242632-2	EB-MW-4R	Dissolved	Water	6020A	744675
500-242632-3	EB-MW-6	Dissolved	Water	6020A	744675
500-242632-4	EB-MW-5	Dissolved	Water	6020A	744675
500-242632-5	DUP-1	Dissolved	Water	6020A	744675
MB 500-744482/1-B	Method Blank	Dissolved	Water	6020A	744675
MB 500-744675/1-A	Method Blank	Total Recoverable	Water	6020A	744675
LCS 500-744675/2-A	Lab Control Sample	Total Recoverable	Water	6020A	744675

Surrogate Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-242632-1	EB-MW-2	89	106	93	94
500-242632-2	EB-MW-4R	78	107	92	95
500-242632-3	EB-MW-6	88	102	97	100
500-242632-4	EB-MW-5	89	105	98	104
500-242632-5	DUP-1	85	108	92	96
500-242632-6	Trip Blank	87	106	95	98
LCS 500-743209/27	Lab Control Sample	79	109	92	97
MB 500-743209/8	Method Blank	89	104	96	93

Surrogate Legend
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 DCA = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (34-110)	NBZ (36-120)	TPHL (40-145)
500-242632-1	EB-MW-2	88	89	99
500-242632-2	EB-MW-4R	0 S1-	0 S1-	0 S1-
500-242632-3	EB-MW-6	82	89	77
500-242632-4	EB-MW-5	77	84	69
500-242632-5	DUP-1	83	94	100
LCS 500-743002/2-A	Lab Control Sample	88	96	103
LCSD 500-743002/3-A	Lab Control Sample Dup	83	88	99
MB 500-743002/1-A	Method Blank	74	83	94

Surrogate Legend
 FBP = 2-Fluorobiphenyl (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (39-121)	DCBP2 (19-120)
500-242632-1	EB-MW-2	51	25
500-242632-2	EB-MW-4R	42	42
500-242632-3	EB-MW-6	53	40
500-242632-4	EB-MW-5	62	36
500-242632-5	DUP-1	54	50
LCS 480-693020/2-A	Lab Control Sample	67	50
LCSD 480-693020/3-A	Lab Control Sample Dup	78	53
MB 480-693020/1-A	Method Blank	65	48

Surrogate Legend
 TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: K. Singh & Associates, Inc
Project/Site: Community Within the Corridor - 40441
DCBP = DCB Decachlorobiphenyl

Job ID: 500-242632-1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-743209/8
Matrix: Water
Analysis Batch: 743209

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			11/21/23 11:23	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/21/23 11:23	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/21/23 11:23	1
Bromoform	<0.48		1.0	0.48	ug/L			11/21/23 11:23	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/21/23 11:23	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/21/23 11:23	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/21/23 11:23	1
Chloroform	<0.37		2.0	0.37	ug/L			11/21/23 11:23	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/21/23 11:23	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/21/23 11:23	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/21/23 11:23	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/21/23 11:23	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/21/23 11:23	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/21/23 11:23	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/21/23 11:23	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/21/23 11:23	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/21/23 11:23	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/21/23 11:23	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/21/23 11:23	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/21/23 11:23	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/21/23 11:23	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/21/23 11:23	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/21/23 11:23	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/21/23 11:23	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/21/23 11:23	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/21/23 11:23	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/21/23 11:23	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/21/23 11:23	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/21/23 11:23	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 11:23	1
Styrene	<0.39		1.0	0.39	ug/L			11/21/23 11:23	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/21/23 11:23	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/21/23 11:23	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/21/23 11:23	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/21/23 11:23	1
Toluene	<0.15		0.50	0.15	ug/L			11/21/23 11:23	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/21/23 11:23	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-743209/8
Matrix: Water
Analysis Batch: 743209

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/21/23 11:23	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/21/23 11:23	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/21/23 11:23	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/21/23 11:23	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/21/23 11:23	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/21/23 11:23	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/21/23 11:23	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/21/23 11:23	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/21/23 11:23	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/21/23 11:23	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/21/23 11:23	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	89		72 - 124		11/21/23 11:23	1
Dibromofluoromethane (Surr)	104		75 - 120		11/21/23 11:23	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		11/21/23 11:23	1
Toluene-d8 (Surr)	93		75 - 120		11/21/23 11:23	1

Lab Sample ID: LCS 500-743209/27
Matrix: Water
Analysis Batch: 743209

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	45.4		ug/L		91	70 - 122
Bromochloromethane	50.0	60.2		ug/L		120	65 - 122
Bromodichloromethane	50.0	43.5		ug/L		87	69 - 120
Bromoform	50.0	45.3		ug/L		91	56 - 132
Bromomethane	50.0	55.1		ug/L		110	40 - 152
Carbon tetrachloride	50.0	65.2		ug/L		130	59 - 133
Chlorobenzene	50.0	50.7		ug/L		101	70 - 120
Chloroethane	50.0	52.0		ug/L		104	48 - 136
Chloroform	50.0	60.1		ug/L		120	70 - 120
Chloromethane	50.0	57.3		ug/L		115	56 - 152
2-Chlorotoluene	50.0	45.0		ug/L		90	70 - 125
4-Chlorotoluene	50.0	42.4		ug/L		85	68 - 124
cis-1,2-Dichloroethene	50.0	55.6		ug/L		111	70 - 125
cis-1,3-Dichloropropene	50.0	39.6		ug/L		79	64 - 127
Dibromochloromethane	50.0	46.2		ug/L		92	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	35.1		ug/L		70	56 - 123
1,2-Dibromoethane	50.0	44.4		ug/L		89	70 - 125
Dibromomethane	50.0	47.7		ug/L		95	70 - 120
1,2-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 125
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 125
1,4-Dichlorobenzene	50.0	48.1		ug/L		96	70 - 120
Dichlorodifluoromethane	50.0	71.8		ug/L		144	40 - 159
1,1-Dichloroethane	50.0	57.0		ug/L		114	70 - 125

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-743209/27

Matrix: Water

Analysis Batch: 743209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	46.5		ug/L		93	68 - 127
1,1-Dichloroethene	50.0	61.8	*+	ug/L		124	67 - 122
1,2-Dichloropropane	50.0	43.6		ug/L		87	67 - 130
1,3-Dichloropropane	50.0	44.6		ug/L		89	62 - 136
2,2-Dichloropropane	50.0	55.0		ug/L		110	58 - 139
1,1-Dichloropropene	50.0	56.3		ug/L		113	70 - 121
Ethylbenzene	50.0	50.2		ug/L		100	70 - 123
Hexachlorobutadiene	50.0	64.5		ug/L		129	51 - 150
Isopropylbenzene	50.0	43.6		ug/L		87	70 - 126
Methylene Chloride	50.0	55.0		ug/L		110	69 - 125
Methyl tert-butyl ether	50.0	46.4		ug/L		93	55 - 123
Naphthalene	50.0	43.3		ug/L		87	53 - 144
n-Butylbenzene	50.0	44.6		ug/L		89	68 - 125
N-Propylbenzene	50.0	42.3		ug/L		85	69 - 127
p-Isopropyltoluene	50.0	46.5		ug/L		93	70 - 125
sec-Butylbenzene	50.0	46.8		ug/L		94	70 - 123
Styrene	50.0	46.3		ug/L		93	70 - 120
tert-Butylbenzene	50.0	43.6		ug/L		87	70 - 121
1,1,1,2-Tetrachloroethane	50.0	53.9		ug/L		108	70 - 125
1,1,2,2-Tetrachloroethane	50.0	34.9		ug/L		70	62 - 140
Tetrachloroethene	50.0	64.9	*+	ug/L		130	70 - 128
Toluene	50.0	49.5		ug/L		99	70 - 125
trans-1,2-Dichloroethene	50.0	64.0	*+	ug/L		128	70 - 125
trans-1,3-Dichloropropene	50.0	41.6		ug/L		83	62 - 128
1,2,3-Trichlorobenzene	50.0	55.1		ug/L		110	51 - 145
1,2,4-Trichlorobenzene	50.0	54.4		ug/L		109	57 - 137
1,1,1-Trichloroethane	50.0	61.3		ug/L		123	70 - 125
1,1,2-Trichloroethane	50.0	43.2		ug/L		86	71 - 130
Trichloroethene	50.0	58.1		ug/L		116	70 - 125
Trichlorofluoromethane	50.0	80.8	*+	ug/L		162	55 - 128
1,2,3-Trichloropropane	50.0	45.0		ug/L		90	50 - 133
1,2,4-Trimethylbenzene	50.0	43.1		ug/L		86	70 - 123
1,3,5-Trimethylbenzene	50.0	44.3		ug/L		89	70 - 123
Vinyl chloride	50.0	64.4	*+	ug/L		129	64 - 126
Xylenes, Total	100	98.6		ug/L		99	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	79		72 - 124
Dibromofluoromethane (Surr)	109		75 - 120
1,2-Dichloroethane-d4 (Surr)	92		75 - 126
Toluene-d8 (Surr)	97		75 - 120

QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-743002/1-A
Matrix: Water
Analysis Batch: 743245

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 743002

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.25		0.80	0.25	ug/L		11/20/23 07:57	11/21/23 13:29	1
Acenaphthylene	<0.21		0.80	0.21	ug/L		11/20/23 07:57	11/21/23 13:29	1
Anthracene	<0.27		0.80	0.27	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		11/20/23 07:57	11/21/23 13:29	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		11/20/23 07:57	11/21/23 13:29	1
Chrysene	<0.055		0.16	0.055	ug/L		11/20/23 07:57	11/21/23 13:29	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		11/20/23 07:57	11/21/23 13:29	1
Fluoranthene	<0.36		0.80	0.36	ug/L		11/20/23 07:57	11/21/23 13:29	1
Fluorene	<0.20		0.80	0.20	ug/L		11/20/23 07:57	11/21/23 13:29	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		11/20/23 07:57	11/21/23 13:29	1
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		11/20/23 07:57	11/21/23 13:29	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		11/20/23 07:57	11/21/23 13:29	1
Naphthalene	<0.25		0.80	0.25	ug/L		11/20/23 07:57	11/21/23 13:29	1
Phenanthrene	<0.24		0.80	0.24	ug/L		11/20/23 07:57	11/21/23 13:29	1
Pyrene	<0.34		0.80	0.34	ug/L		11/20/23 07:57	11/21/23 13:29	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	74		34 - 110	11/20/23 07:57	11/21/23 13:29	1
Nitrobenzene-d5 (Surr)	83		36 - 120	11/20/23 07:57	11/21/23 13:29	1
Terphenyl-d14 (Surr)	94		40 - 145	11/20/23 07:57	11/21/23 13:29	1

Lab Sample ID: LCS 500-743002/2-A
Matrix: Water
Analysis Batch: 743245

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	32.0	26.7		ug/L		83	46 - 110
Acenaphthylene	32.0	28.2		ug/L		88	47 - 113
Anthracene	32.0	32.2		ug/L		101	67 - 118
Benzo[a]anthracene	32.0	32.7		ug/L		102	70 - 126
Benzo[a]pyrene	32.0	39.9		ug/L		125	70 - 135
Benzo[b]fluoranthene	32.0	37.9		ug/L		118	69 - 136
Benzo[g,h,i]perylene	32.0	35.6		ug/L		111	70 - 135
Benzo[k]fluoranthene	32.0	33.5		ug/L		105	70 - 133
Chrysene	32.0	33.7		ug/L		105	68 - 129
Dibenz(a,h)anthracene	32.0	35.3		ug/L		110	70 - 134
Fluoranthene	32.0	34.6		ug/L		108	68 - 126
Fluorene	32.0	28.9		ug/L		90	53 - 120
Indeno[1,2,3-cd]pyrene	32.0	37.7		ug/L		118	65 - 133
1-Methylnaphthalene	32.0	24.1		ug/L		75	38 - 110
2-Methylnaphthalene	32.0	23.5		ug/L		73	34 - 110
Naphthalene	32.0	23.2		ug/L		73	36 - 110
Phenanthrene	32.0	31.4		ug/L		98	65 - 120
Pyrene	32.0	32.0		ug/L		100	70 - 126

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-743002/2-A
Matrix: Water
Analysis Batch: 743245

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 743002

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	88		34 - 110
Nitrobenzene-d5 (Surr)	96		36 - 120
Terphenyl-d14 (Surr)	103		40 - 145

Lab Sample ID: LCSD 500-743002/3-A
Matrix: Water
Analysis Batch: 743245

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 743002

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Acenaphthene	32.0	25.3		ug/L		79	46 - 110	5	20	
Acenaphthylene	32.0	26.6		ug/L		83	47 - 113	6	20	
Anthracene	32.0	31.6		ug/L		99	67 - 118	2	20	
Benzo[a]anthracene	32.0	31.9		ug/L		100	70 - 126	3	20	
Benzo[a]pyrene	32.0	36.4		ug/L		114	70 - 135	9	20	
Benzo[b]fluoranthene	32.0	34.9		ug/L		109	69 - 136	8	20	
Benzo[g,h,i]perylene	32.0	32.5		ug/L		102	70 - 135	9	20	
Benzo[k]fluoranthene	32.0	31.0		ug/L		97	70 - 133	8	20	
Chrysene	32.0	31.7		ug/L		99	68 - 129	6	20	
Dibenz(a,h)anthracene	32.0	33.7		ug/L		105	70 - 134	4	20	
Fluoranthene	32.0	34.1		ug/L		107	68 - 126	1	20	
Fluorene	32.0	27.7		ug/L		86	53 - 120	5	20	
Indeno[1,2,3-cd]pyrene	32.0	34.5		ug/L		108	65 - 133	9	20	
1-Methylnaphthalene	32.0	22.1		ug/L		69	38 - 110	9	20	
2-Methylnaphthalene	32.0	22.2		ug/L		69	34 - 110	6	20	
Naphthalene	32.0	21.6		ug/L		67	36 - 110	7	20	
Phenanthrene	32.0	30.0		ug/L		94	65 - 120	5	20	
Pyrene	32.0	29.8		ug/L		93	70 - 126	7	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	83		34 - 110
Nitrobenzene-d5 (Surr)	88		36 - 120
Terphenyl-d14 (Surr)	99		40 - 145

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-693020/1-A
Matrix: Water
Analysis Batch: 693219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693020

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 02:56	1
PCB-1221	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 02:56	1
PCB-1232	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 02:56	1
PCB-1242	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 02:56	1
PCB-1248	<0.18		0.50	0.18	ug/L		11/22/23 06:59	11/27/23 02:56	1
PCB-1254	<0.25		0.50	0.25	ug/L		11/22/23 06:59	11/27/23 02:56	1
PCB-1260	<0.25		0.50	0.25	ug/L		11/22/23 06:59	11/27/23 02:56	1

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-693020/1-A
Matrix: Water
Analysis Batch: 693219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693020

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	65		39 - 121	11/22/23 06:59	11/27/23 02:56	1
DCB Decachlorobiphenyl	48		19 - 120	11/22/23 06:59	11/27/23 02:56	1

Lab Sample ID: LCS 480-693020/2-A
Matrix: Water
Analysis Batch: 693219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1260	4.00	3.16		ug/L		79	56 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	67		39 - 121
DCB Decachlorobiphenyl	50		19 - 120

Lab Sample ID: LCSD 480-693020/3-A
Matrix: Water
Analysis Batch: 693219

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 693020

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
PCB-1016	4.00	3.80		ug/L		95	62 - 130	20	50
PCB-1260	4.00	3.42		ug/L		86	56 - 123	8	50

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	78		39 - 121
DCB Decachlorobiphenyl	53		19 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-744675/1-A
Matrix: Water
Analysis Batch: 745793

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 744675

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.23		1.0	0.23	ug/L		12/01/23 09:38	12/07/23 19:26	1
Barium	<0.73		2.5	0.73	ug/L		12/01/23 09:38	12/07/23 19:26	1
Cadmium	<0.17		0.50	0.17	ug/L		12/01/23 09:38	12/07/23 19:26	1
Chromium	<1.1		5.0	1.1	ug/L		12/01/23 09:38	12/07/23 19:26	1
Lead	<0.19		0.50	0.19	ug/L		12/01/23 09:38	12/07/23 19:26	1
Selenium	<0.98		2.5	0.98	ug/L		12/01/23 09:38	12/07/23 19:26	1
Silver	<0.12		0.50	0.12	ug/L		12/01/23 09:38	12/07/23 19:26	1

Lab Sample ID: LCS 500-744675/2-A
Matrix: Water
Analysis Batch: 745793

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 744675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

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QC Sample Results

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-744675/2-A
Matrix: Water
Analysis Batch: 745793

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 744675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	500	512		ug/L		102	80 - 120
Cadmium	50.0	50.2		ug/L		100	80 - 120
Chromium	200	204		ug/L		102	80 - 120
Lead	100	109		ug/L		109	80 - 120
Selenium	100	102		ug/L		102	80 - 120
Silver	50.0	50.7		ug/L		101	80 - 120

Lab Sample ID: MB 500-744482/1-B
Matrix: Water
Analysis Batch: 745793

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 744675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		12/01/23 09:38	12/07/23 20:23	1
Barium	<0.73		2.5	0.73	ug/L		12/01/23 09:38	12/07/23 20:23	1
Cadmium	<0.17		0.50	0.17	ug/L		12/01/23 09:38	12/07/23 20:23	1
Chromium	<1.1		5.0	1.1	ug/L		12/01/23 09:38	12/07/23 20:23	1
Lead	0.267 J		0.50	0.19	ug/L		12/01/23 09:38	12/07/23 20:23	1
Selenium	<0.98		2.5	0.98	ug/L		12/01/23 09:38	12/07/23 20:23	1
Silver	<0.12		0.50	0.12	ug/L		12/01/23 09:38	12/07/23 20:23	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-744678/12-A
Matrix: Water
Analysis Batch: 745000

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 744678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		12/01/23 10:05	12/04/23 07:27	1

Lab Sample ID: LCS 500-744678/13-A
Matrix: Water
Analysis Batch: 745000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 744678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.01	2.02		ug/L		101	80 - 120

Lab Sample ID: MB 500-744482/1-D
Matrix: Water
Analysis Batch: 745000

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 744678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	0.079	ug/L		12/01/23 10:05	12/04/23 07:31	1

Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-2

Lab Sample ID: 500-242632-1

Date Collected: 11/14/23 10:45

Matrix: Water

Date Received: 11/16/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 13:27
Total/NA	Prep	3510C			743002	DAK	EET CHI	11/20/23 07:57
Total/NA	Analysis	8270D		1	743245	SS	EET CHI	11/21/23 15:33
Total/NA	Prep	3510C			693020	SMP	EET BUF	11/22/23 06:59
Total/NA	Analysis	8082A		1	693219	NC	EET BUF	11/27/23 05:52
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	3005A			744675	BDE	EET CHI	12/01/23 09:38 - 12/01/23 10:08 ¹
Dissolved	Analysis	6020A		1	745793	BJH	EET CHI	12/07/23 20:26
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	7470A			744678	MJG	EET CHI	12/01/23 10:05 - 12/01/23 12:05 ¹
Dissolved	Analysis	7470A		1	745000	MJG	EET CHI	12/04/23 07:33

Client Sample ID: EB-MW-4R

Lab Sample ID: 500-242632-2

Date Collected: 11/14/23 11:30

Matrix: Water

Date Received: 11/16/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 13:52
Total/NA	Prep	3510C			743002	DAK	EET CHI	11/20/23 07:57
Total/NA	Analysis	8270D		100	744166	JSB	EET CHI	11/29/23 21:41
Total/NA	Prep	3510C			693020	SMP	EET BUF	11/22/23 06:59
Total/NA	Analysis	8082A		20	693219	NC	EET BUF	11/27/23 16:24
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	3005A			744675	BDE	EET CHI	12/01/23 09:38 - 12/01/23 10:08 ¹
Dissolved	Analysis	6020A		1	745793	BJH	EET CHI	12/07/23 20:30
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	7470A			744678	MJG	EET CHI	12/01/23 10:05 - 12/01/23 12:05 ¹
Dissolved	Analysis	7470A		1	745000	MJG	EET CHI	12/04/23 07:35

Client Sample ID: EB-MW-6

Lab Sample ID: 500-242632-3

Date Collected: 11/14/23 12:00

Matrix: Water

Date Received: 11/16/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 14:17
Total/NA	Prep	3510C			743002	DAK	EET CHI	11/20/23 07:57
Total/NA	Analysis	8270D		1	743245	SS	EET CHI	11/21/23 15:58
Total/NA	Prep	3510C			693020	SMP	EET BUF	11/22/23 06:59
Total/NA	Analysis	8082A		1	693605	DSC	EET BUF	11/28/23 21:41
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	3005A			744675	BDE	EET CHI	12/01/23 09:38 - 12/01/23 10:08 ¹
Dissolved	Analysis	6020A		1	745793	BJH	EET CHI	12/07/23 20:34
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	7470A			744678	MJG	EET CHI	12/01/23 10:05 - 12/01/23 12:05 ¹
Dissolved	Analysis	7470A		1	745000	MJG	EET CHI	12/04/23 07:37

Lab Chronicle

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Client Sample ID: EB-MW-5

Lab Sample ID: 500-242632-4

Date Collected: 11/14/23 13:30

Matrix: Water

Date Received: 11/16/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 14:42
Total/NA	Prep	3510C			743002	DAK	EET CHI	11/20/23 07:57
Total/NA	Analysis	8270D		1	743245	SS	EET CHI	11/21/23 16:23
Total/NA	Prep	3510C			693020	SMP	EET BUF	11/22/23 06:59
Total/NA	Analysis	8082A		1	693605	DSC	EET BUF	11/28/23 21:59
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	3005A			744675	BDE	EET CHI	12/01/23 09:38 - 12/01/23 10:08 ¹
Dissolved	Analysis	6020A		1	745793	BJH	EET CHI	12/07/23 20:38
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	7470A			744678	MJG	EET CHI	12/01/23 10:05 - 12/01/23 12:05 ¹
Dissolved	Analysis	7470A		1	745000	MJG	EET CHI	12/04/23 07:40

Client Sample ID: DUP-1

Lab Sample ID: 500-242632-5

Date Collected: 11/14/23 00:00

Matrix: Water

Date Received: 11/16/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 15:06
Total/NA	Prep	3510C			743002	DAK	EET CHI	11/20/23 07:57
Total/NA	Analysis	8270D		1	743245	SS	EET CHI	11/21/23 16:48
Total/NA	Prep	3510C			693020	SMP	EET BUF	11/22/23 06:59
Total/NA	Analysis	8082A		1	693605	DSC	EET BUF	11/28/23 22:16
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	3005A			744675	BDE	EET CHI	12/01/23 09:38 - 12/01/23 10:08 ¹
Dissolved	Analysis	6020A		1	745793	BJH	EET CHI	12/07/23 20:42
Dissolved	Filtration	FILTRATION			744482	BDE	EET CHI	11/30/23 12:23
Dissolved	Prep	7470A			744678	MJG	EET CHI	12/01/23 10:05 - 12/01/23 12:05 ¹
Dissolved	Analysis	7470A		1	745000	MJG	EET CHI	12/04/23 07:42

Client Sample ID: Trip Blank

Lab Sample ID: 500-242632-6

Date Collected: 11/14/23 00:00

Matrix: Water

Date Received: 11/16/23 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	743209	W1T	EET CHI	11/21/23 12:37

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
 EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: K. Singh & Associates, Inc
 Project/Site: Community Within the Corridor - 40441

Job ID: 500-242632-1

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Laboratory: Eurofins Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-06-23 *
Connecticut	State	PH-0568	03-31-24
Florida	NELAP	E87672	06-30-23 *
Georgia	State	10026 (NY)	03-31-24
Georgia	State Program	N/A	03-31-09 *
Illinois	NELAP	200003	09-30-23 *
Iowa	State	374	03-01-25
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	02-01-24
Kentucky (DW)	State	90029	01-01-24
Kentucky (UST)	State	108092	04-01-24
Kentucky (WW)	State	KY90029	12-31-23
Louisiana	NELAP	02031	06-30-23 *
Louisiana (All)	NELAP	02031	06-30-23 *
Maine	State	NY00044	12-04-24
Maryland	State	294	06-30-24
Massachusetts	State	M-NY044	07-01-24
Michigan	State	9937	04-01-24
Michigan	State Program	9937	04-01-09 *
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-17-24
New Jersey	NELAP	NY455	06-30-24
New York	NELAP	10026	03-31-24
Pennsylvania	NELAP	68-00281	08-31-24
Rhode Island	State	LAO00378	12-30-23
Texas	NELAP	T104704412-18-10	07-31-23 *
USDA	US Federal Programs	P330-18-00039	03-25-24
Virginia	NELAP	460185	09-14-24
Washington	State	C784	02-10-24
Wisconsin	State	998310390	08-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

580-242632

Sample Collector(s) <i>Samuel Ramirez</i>	QR Code	Title	Telephone # (incl area code) (262) 821 1171	Report To Robert Reineke, Pratap Singh, Samuel Ramirez
Property Owner		Property Address 2748 N 32nd Street, Milwaukee WI	Telephone # (incl area code)	KSingh Project # 40449 → 40441
Community Within The Corridor East Block 500-242632 COC		I hereby certify that I received, properly, and disposed of the samples as noted below		

Relinquished By (Signature) <i>[Signature]</i>	Date/Time 11/15/23 1550	Received By (Signature) <i>[Signature]</i>	Temperature Blank 41, 210 → 118
Relinquished By (Signature) <i>[Signature]</i>	Date/Time 11/15/23 1700	Received By (Signature) <i>[Signature]</i>	11/16/23 1010

1 Specify groundwater (GW), soil (S), air (A), sludge (SL), surface water (SW) etc.		Sample Condition																			
2 Sample description must clearly correlate the sample ID to the sampling location		# / Type of Container																			
Date Collected	Time Collected	Samples		Location/Description (2)	VOC	PAH	PCRA	PCBs									Sample Condition				
		Type (1)	Device														MeOH	HCL	H2SO4	Unpres	Other Comment
11/14	10:45	GW	Bailer	EB MW-2	X	X	X	X										3		3	
11/14	11:30	GW	Bailer	EB-mw-4R	X	X	X	X										3		3	
11/14	12:00	GW	Bailer	EB-mw-6	X	X	X	X										3		3	
11/14	13:30	GW	Bailer	EB-mw-5	X	X	X	X										3		3	
11/14	-	GW	Bailer	DUP-1	X	X	X	X										3		3	
				Trip blank	X																

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES				DEPARTMENT USE ONLY			
Disposition of unused portion of sample				Split Samples			
Laboratory should (check)				Offered			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dispose	Return	Retain for (days)	Other	Accepted	Accepted	Accepted	Accepted

10554332

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15

JOHN EVANS
EUROFINS
4125 N 124TH STREET
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 54.80 LB
CAD: 0780307/CAFE3755

BILL RECIPIENT

Part # 159659-434 M/TW EXP 01/24

TO **SAMPLE RECEIPT**
EUROFINS - CHICAGO
2417 BOND ST.

205118



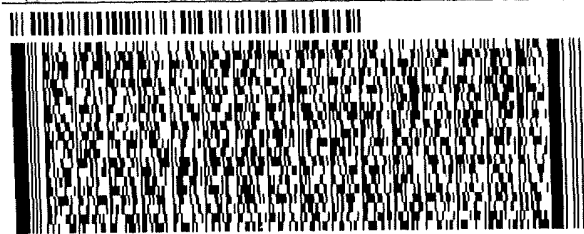
500-242632 Waybi

UNIVERSITY PARK IL 60484

(708) 634-6200

REF:

DEPT:



FedEx
Express



AT 1021506208327

4 of 6

THU - 16 NOV 10:30A

MPS# 0263 7163 1500 6762

PRIORITY OVERNIGHT

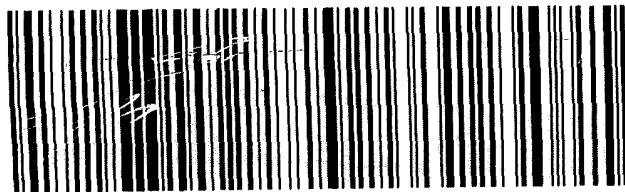
Mstr# 7163 1500 6730

0201

79 JOTA

60484

IL-US ORD



489t

JOHN EVANS
EUROFINS
4125 N 124TH STREET
BROOKFIELD, WI 53005
UNITED STATES US

ACTWGT: 55.10 LB
CAD: 0780307/CAFE3755

BILL RECIPIENT

Part # 159659-434 M/TW EXP 01/24

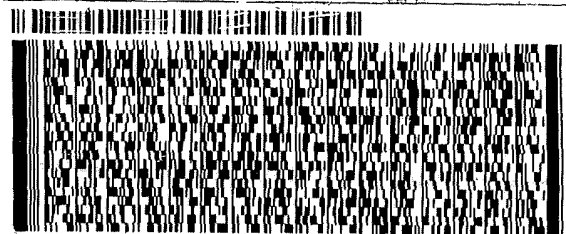
TO **SAMPLE RECEIPT**
EUROFINS - CHICAGO
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 634-6200

REF:

DEPT:



FedEx
Express



AT 1021506208327

3 of 6

THU - 16 NOV 10:30A

MPS# 0263 7163 1500 6751

PRIORITY OVERNIGHT

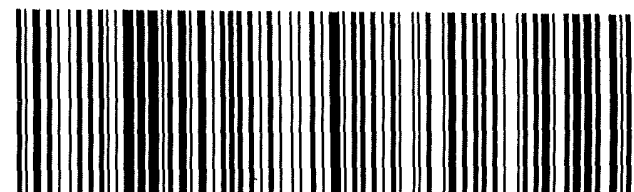
Mstr# 7163 1500 6730

0201

79 JOTA

60484

IL-US ORD



489t



Client Information (Sub Contract Lab)		Lab PM: Fredrick, Sandie	Carrier Tracking No(s): 500-181564.1
Client Contact: Shipping/Receiving		Phone: E-Mail: Sandra.Fredrick@et.eurofins.com	State of Origin: Wisconsin
Company: Eurofins Environment Testing Northeast		Accreditations Required (See note): State Program - Wisconsin	
Address: 10 Hazelwood Drive, Amherst		Job #: 500-242632-1	
City: Amherst		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - Trizma Z - other (specify)	
State, Zip: NY, 14228-2298		Other:	
Phone: 716-691-2600(Tel) 716-691-7991(Fax)			
Email:			
Project #: 50022445			
Site: Community Within the Corridor - 40441B			
SSOW#:			
Due Date Requested: 12/4/2023		Analysis Requested	
TAT Requested (days):		Total Number of Containers	
PO #:			
WO #:			
Sample Date		Field Filtered Sample (Yes or No)	
Sample Time		Perform MS/MSD (Yes or No)	
Sample Type (C=Comp, G=grab)		8082A/3510C_LVI_1YR PCBs	
Matrix (W=water, S=solid, O=wateroil, B=BreTissue, A=Air)			
Preservation Code:			
EB-MW-2 (500-242632-1)	11/14/23 10:45 Central	X	2
EB-MW-4R (500-242632-2)	11/14/23 11:30 Central	X	1
EB-MW-6 (500-242632-3)	11/14/23 12:00 Central	X	1
EB-MW-5 (500-242632-4)	11/14/23 13:30 Central	X	1
DUP-1 (500-242632-5)	11/14/23 Central	X	1
Special Instructions/Note:			
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.			
Possible Hazard Identification			
Unconfirmed			
Deliverable Requested: I, II, III, IV, Other (specify)			
Primary Deliverable Rank: 2			
Empty Kit Relinquished by:			
Date:			
Relinquished by: <i>Stephanie Hernandez</i>			
Date/Time: 11/17/23 11:00			
Relinquished by: <i>Stephanie Hernandez</i>			
Date/Time: 11/17/23 10:30			
Relinquished by:			
Date/Time:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Custody Seal No.: 217 # ICE			
Cooler Temperature(s) °C and Other Remarks:			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months			
Special Instructions/QC Requirements:			
Method of Shipment:			
Received by: <i>Wm. Kwok</i>			
Date/Time: 11/17/23 10:30			
Company: <i>TSJ</i>			
Received by:			
Date/Time:			
Company:			
Received by:			
Date/Time:			
Company:			



Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-242632-1

Login Number: 242632

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins 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	1.1,1.8
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.	False	
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.	False	
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").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: K. Singh & Associates, Inc

Job Number: 500-242632-1

Login Number: 242632

List Number: 2

Creator: Kolb, Chris M

List Source: Eurofins Buffalo

List Creation: 11/20/23 11:47 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 IR GUN #1 ICE
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

